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SAR TEST REPORT





The following samples were submitted and identified on behalf of the client as:

Equipment Under Test Notebook Computer

Brand Name HP

Model No. HSN-I32C **Company Name** HP Inc.

Company Address 1501 Page Mill Road, Palo Alto CA 94304 USA

IEEE/ANSI C95.1-1992, IEEE 1528-2013 **Standards**

FCC ID B94HNI32CTKR **Date of Receipt** Sep. 03, 2020

Date of Test(s) Oct. 04, 2020 ~ Oct. 16, 2020

Date of Issue Nov. 12, 2020

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Signed on behalf of SGS

Clerk / Ruby Ou	Engineer / Jay Tseng	Asst. Manager / John Yeh
Kuby Ou	Fory Tseng	John Teh

Date: Nov. 12, 2020

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Revision History

Report Number	Revision	Description	Issue Date
ES/2020/90007	Rev.00	Initial creation of document	Nov. 12, 2020

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0. Guidance applied

The SAR testing method and procedure for this device is in accordance with the following standards:

IEEE/ANSI C95.1-1992

IEEE 1528-2013

KDB616217D04v01r02

KDB865664D01v01r04

KDB865664D02v01r02

KDB941225D01v03r01

KDB941225D05v02r05

KDB941225D05Av01r02

KDB447498D01v06

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1. General Information

1.1 Testing Laboratory

SGS Taiwan Ltd. Central RF Lab					
No.134, Wu Kung Ro City, Taiwan	ad, New Taipei Industrial Park, Wuku District, New Taipei				
FCC Designation Number	TW0027				
Tel	+886-2-2299-3279				
Fax	+886-2-2298-0488				
Internet	http://www.tw.sgs.com/				

1.2 Details of Applicant

Company Name	HP Inc.
Company Address	1501 Page Mill Road, Palo Alto CA 94304 USA

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1.3 Description of EUT

Equipment Under Test	Notebook Computer					
Brand Name	HP					
Model No.	HSN-I32C					
FCC ID	B94HNI32CTKR					
Integrated Module	WLAN Brand Name : Model Name :					
integrated Module	WWAN		Name : Fo Name : TS			
Mode of Operation			M/90N//46	CONA)		
	⊠WLAN802.11 a/b/g/n/ac/ax(⊠Bluetooth	20101/401	VI/OUIVI/ IC	ooivi)		
	WCDMA		100%			
	LTE FDD		100%			
	LTE TDD Power Class 3		6	3.3%		
Duty Cycle	LTE TDD Power Class 2		43.3%			
	5G NR		100%			
	WLAN802.11 a/b/g/n/ac/ax(20M/40M/80M/160M)		100%			
	Bluetooth		100%			
	Tx5 antenna					
	WCDMA Band II		1850	_	1910	
TV 5	WCDMA Band IV		1710	_	1755	
TX Frequency Range (MHz)	WCDMA Band V		824	_	849	
(···· ·-/	LTE FDD Band 2		1850		1910	
	LTE FDD Band 4		1710		1755	
	LTE FDD Band 5		824	_	849	

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	<u></u>					
·	LTE FDD Band 7	2500	_	2570		
	LTE FDD Band 12	699	_	716		
	LTE FDD Band 13	777	_	787		
	LTE FDD Band 14	788	_	798		
	LTE FDD Band 17	704	_	716		
	LTE FDD Band 25	1850	_	1915		
	LTE FDD Band 26	814	_	849		
	LTE FDD Band 30	2305	_	2315		
	LTE TDD Band 38 Power Class 3	2570	_	2620		
	LTE TDD Band 41 Power Class 2/3	2496	_	2690		
	LTE FDD Band 66	1710	_	1780		
	n2	1850	_	1910		
	n5	824	_	849		
	n12	699	_	716		
TX Frequency Range (MHz)	n66	1710	_	1780		
(IVIF1Z)	Tx8 antenna					
	LTE FDD Band 2	1850	_	1910		
	LTE FDD Band 7	2500	_	2570		
	LTE FDD Band 42 Power Class 3	3400	_	3600		
	LTE FDD Band 48 Power Class 3	3550	_	3700		
	LTE FDD Band 66	1710	_	1780		
	n2	1850	_	1910		
	n7	2500	_	2570		
	n41 Power Class 2/3	2496	_	2690		
	n66	1710	_	1780		
	WLAN/BT					
	WLAN802.11 b/g/n/ax(20M)	2412	_	2472		
	WLAN802.11 n/ax(40M)	2422	_	2462		
· · · · · · · · · · · · · · · · · · ·						

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·	WLAN802.11 a/n/ac/ax(20M) 5.2G	5180	_	5240
	WLAN802.11 n/ac/ax(40M) 5.2G	5190	_	5230
	WLAN802.11 ac/ax(80M) 5.2G		5210	
	WLAN802.11 ac/ax(160M) 5.2G		5250	
	WLAN802.11 a/n/ac/ax(20M) 5.3G	5260	_	5320
	WLAN802.11 n/ac/ax(40M) 5.3G	5270	_	5310
TX Frequency Range	WLAN802.11 ac/ax(80M) 5.3G		5290	
(MHz)	WLAN802.11 a/n/ac/ax(20M) 5.6G	5500	_	5720
	WLAN802.11 n/ac/ax(40M) 5.6G	5510	_	5710
	WLAN802.11 ac/ax(80M) 5.6G	5530	_	5690
	WLAN802.11 ac/ax(160M) 5.6G	5570		
	WLAN802.11 a/n/ac/ax(20M) 5.8G	5745	_	5825
	WLAN802.11 n/ac/ax(40M) 5.8G	5755	_	5795
	WLAN802.11 ac/ax(80M) 5.8G 5775			
	Bluetooth	2402	_	2480
	Tx5 antenna			
	WCDMA Band II	9262	_	9538
	WCDMA Band IV	1312	_	1513
	WCDMA Band V	4132	_	4233
	LTE FDD Band 2	18607	_	19193
Channel Number	LTE FDD Band 4	19957	_	20393
(ARFCN)	LTE FDD Band 5	20407	_	20643
	LTE FDD Band 7	20775	_	21425
	LTE FDD Band 12	23017	_	23173
	LTE FDD Band 13	23205	_	23255
	LTE FDD Band 14	23305	_	23355
	LTE FDD Band 17	23755	_	23825

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	LTE FDD Band 25	26047	_	26683		
	LTE FDD Band 26	26697	_	27033		
	LTE FDD Band 30	27685	_	27735		
	LTE TDD Band 38 Power Class 3	37775	_	38225		
	LTE TDD Band 41 Power Class 2/3	39675	_	41565		
	LTE FDD Band 66	131979	_	132665		
	n2	370500	_	381500		
	n5	165300	_	169300		
	n12	140300	_	142200		
	n66	342500	_	355500		
	Tx8 antenna					
	LTE FDD Band 2	18607	_	19193		
	LTE FDD Band 7	20775	_	21425		
	LTE FDD Band 42 Power Class 3	41615	_	43565		
Channel Number	LTE FDD Band 48 Power Class 3	55265	_	56715		
(ARFCN)	LTE FDD Band 66	131979	_	132665		
	n2	370500	_	381500		
	n7	500500	_	513500		
	n41 Power Class 2/3	501204	_	535998		
	n66	342500	_	355500		
	WLAN/BT					
	WLAN802.11 b/g/n/ax(20M)	1	_	13		
	WLAN802.11 n/ax(40M)	3	_	11		
	WLAN802.11 a/n/ac/ax(20M) 5.2G	36	_	48		
	WLAN802.11 n/ac/ax(40M) 5.2G	38	_	46		
	WLAN802.11 ac/ax(80M) 5.2G		42			
	WLAN802.11 ac/ax(160M) 5.2G		50			
	WLAN802.11 a/n/ac/ax(20M) 5.3G	52	_	64		
	WLAN802.11 n/ac/ax(40M) 5.3G	54	_	62		

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	WLAN802.11 ac/ax(80M) 5.3G		58	
	WLAN802.11 a/n/ac/ax(20M) 5.6G	100	_	144
	WLAN802.11 n/ac/ax(40M) 5.6G	102	_	142
	WLAN802.11 ac/ax(80M) 5.6G	106	_	138
Channel Number	WLAN802.11 ac/ax(160M) 5.6G	114		
(ARFCN)	WLAN802.11 a/n/ac/ax(20M) 5.8G	149	_	165
	WLAN802.11 n/ac/ax(40M) 5.8G	151	_	159
	WLAN802.11 ac/ax(80M) 5.8G		155	
	Bluetooth	0	_	78

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Tablet mode (Tx5)

Max. SAR (1 g) (Unit: W/Kg)						
Band	Measured	Reported	Channel	Position		
WCDMA Band II	1.13	1.14	9400	Back side		
WCDMA Band IV	1.09	1.10	1312	Back side		
WCDMA Band V	1.10	1.12	4132	Back side		
LTE FDD Band 2	1.14	1.15	18900	Back side		
LTE FDD Band 4	1.12	1.13	20300	Back side		
LTE FDD Band 5	1.08	1.09	20450	Back side		
LTE FDD Band 7	1.10	1.11	21100	Back side		
LTE FDD Band 12	1.12	1.13	23095	Back side		
LTE FDD Band 13	1.19	1.20	23230	Back side		
LTE FDD Band 14	1.16	1.19	23330	Back side		
LTE FDD Band 17	1.19	1.22	23790	Back side		
LTE FDD Band 25	1.03	1.07	26140	Back side		
LTE FDD Band 26	1.20	1.23	26765	Back side		
LTE FDD Band 30	1.14	1.20	27710	Back side		
LTE TDD Band 38	1.15	1.18	38000	Back side		
LTE TDD Band 41	1.13	1.15	40620	Back side		
LTE TDD Band 41(HPUE)	1.17	1.20	41055	Back side		
LTE FDD Band 66	1.13	1.17	132072	Back side		
5G n2	1.15	1.17	372000	Back side		
5G n5	1.03	1.06	166800	Back side		
5G n12	1.19	1.20	141700	Back side		
5G n66	1.18	1.19	344000	Back side		

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Notebook mode (Tx5)

Max. SAR (1 g) (Unit: W/Kg)						
Band	Measured	Reported	Channel	Position		
WCDMA Band II	1.15	1.15	9662	Bottom side		
WCDMA Band IV	1.14	1.14	1513	Bottom side		
WCDMA Band V	1.10	1.12	4233	Bottom side		
LTE FDD Band 2	1.10	1.11	19100	Bottom side		
LTE FDD Band 4	1.04	1.05	20175	Bottom side		
LTE FDD Band 5	1.26	1.36	20525	Bottom side		
LTE FDD Band 7	1.22	1.23	20850	Bottom side		
LTE FDD Band 12	1.08	1.09	23060	Bottom side		
LTE FDD Band 13	1.17	1.18	23230	Bottom side		
LTE FDD Band 14	1.18	1.23	23330	Bottom side		
LTE FDD Band 17	1.24	1.25	23790	Bottom side		
LTE FDD Band 25	1.07	1.08	26590	Bottom side		
LTE FDD Band 26	1.22	1.24	26965	Bottom side		
LTE FDD Band 30	1.23	1.25	27710	Bottom side		
LTE TDD Band 38	0.92	1.20	38000	Bottom side		
LTE TDD Band 41	1.18	1.20	41055	Bottom side		
LTE TDD Band 41(HPUE)	1.20	1.23	40620	Bottom side		
LTE FDD Band 66	1.15	1.19	132572	Bottom side		
5G n2	1.28	1.38	372000	Bottom side		
5G n5	1.11	1.13	167300	Bottom side		
5G n12	1.04	1.24	141300	Bottom side		
5G n66	1.22	1.24	344000	Bottom side		

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Tablet mode (Tx8)

Tablet mode (170)	Max. SAR (1 g)	(Unit: W/Kg)		
Band	Measured	Reported	Channel	Position
LTE FDD Band 2	0.67	0.69	18900	Top side
LTE FDD Band 7	0.69	0.70	21100	Top side
LTE FDD Band 42	0.64	0.65	43490	Top side
LTE FDD Band 48	0.65	0.66	55340	Top side
LTE FDD Band 66	0.67	0.69	132322	Top side
5G n2	0.66	0.70	372000	Top side
5G n7	0.67	0.69	512000	Top side
5G n41	0.66	0.68	518598	Top side
5G n41(HPUE)	0.62	0.75	509202	Top side
5G n66	0.69	0.71	349000	Top side

	Max. Simultaneous transmission SAR (1 g) (Unit: W/Kg)										
Antenna	Scenario	sum	Position								
Tv0	5G NR n41(HPUE)	1 55	Top oide								
Tx8	+ WLAN 5GHz Tx2 (SISO) + BT	1.55	Top side								

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Antenna Information

			Noteboo	k mode							
Vendor		AWAN									
Antenna		Mian Tx5 (PIFA)									
Part Number			6036B028	5701(AUF6)	/-100027)						
Frequency	699~716	699~716 777~798 814~849 1710~1780 1850~1915 2300~2400 2496~269									
Gain (dBi)	-4.53	-3.46	-0.89	1.95	1.79	2.04	0.41				

	Tablet mode											
Vendor		AWAN										
Antenna		Mian Tx5 (PIFA)										
Part Number			6036B028	35701(AUF6	Y-100027)							
Frequency	699~716	699~716 777~798 814~849 1710~1780 1850~1915 2300~2400 2496~2690										
Gain (dBi)	-7.42	-5.07	-3.38	-2.38	-1.15	-4.79	-5.30					

	Notebook mode										
Vendor		AWAN									
Antenna		Aux3 Tx8 (PIFA)									
Part Number	603	6B0285301(AUP6Y-1000	093)							
Frequency	1710-1780	1710-1780 1850-1910 2496~2690 3550-370									
Gain (dBi)											

	Tablet mode										
Vendor		AWAN									
Antenna		Aux3 Tx8 (PIFA)									
Part Number	603	6B0285301(AUP6Y-1000	093)							
Frequency	1710-1780	1710-1780 1850-1910 2496~2690 3550-370									
Gain (dBi) -0.33 -1.78 -2.22 -5.77											

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Notebook mode

Tx5-WCDMA Band II / Band IV / Band V - HSDPA / HSUPA / HSPA+ / DC-HSDPA conducted power table:

Unit: dBm

	Band		WCDMA I	l
	TX Channel	9262	9400	9538
F	requency (MHz)	1852.4	1880	1907.6
Max. Rated Avg	. Power+Max. Tolerance (dBm)		18.40	
3GPP Rel 99	RMC 12.2Kbps	18.40	18.32	18.25
	HSDPA Subtest-1	18.24	18.15	18.07
3GPP Rel 5	HSDPA Subtest-2	18.05	18.05	18.07
3GPP Rei 5	HSDPA Subtest-3	18.14	18.06	18.14
	HSDPA Subtest-4	18.10	18.19	18.08
	HSUPA Subtest-1	18.22	18.18	18.06
	HSUPA Subtest-2	18.08	18.16	18.15
3GPP Rel 6	HSUPA Subtest-3	18.21	18.20	18.19
	HSUPA Subtest-4	18.04	18.03	18.19
	HSUPA Subtest-5	18.08	18.05	18.13
3GPP Rel 7	HSPA+	18.22	18.14	18.07
	DC-HSDPA Subtest-1	18.16	18.14	18.16
	DC-HSDPA Subtest-2	18.09	18.21	18.14
3GPP Rel 8	DC-HSDPA Subtest-3	18.18	18.16	18.08
	DC-HSDPA Subtest-4	18.14	18.12	18.03
			VCDMA I	
	Band			
	TX Channel	1312	1412	1513
	requency (MHz)	1712.4	1732.4	1752.6
	. Power+Max. Tolerance (dBm)		19.40	
3GPP Rel 99	RMC 12.2Kbps	19.36	19.37	19.39
	HSDPA Subtest-1	19.33	19.16	19.18
3GPP Rel 5	HSDPA Subtest-2	19.25	19.17	19.25
00	HSDPA Subtest-3	19.21	19.30	19.19
	HSDPA Subtest-4	19.33	19.29	19.17
	HSUPA Subtest-1	19.19	19.27	19.26
	HSUPA Subtest-2	19.32	19.31	19.30
3GPP Rel 6	HSUPA Subtest-3	19.15	19.14	19.31
	HSUPA Subtest-4	19.19	19.16	19.25
	HSUPA Subtest-5	19.33	19.25	19.18
3GPP Rel 7	HSPA+	19.27	19.22	19.27
	DC-HSDPA Subtest-1	19.20	19.32	19.25
3GPP Rel 8	DC-HSDPA Subtest-2	19.29	19.27	19.19
3011 11010	DC-HSDPA Subtest-3	19.25	19.23	19.14
	DC-HSDPA Subtest-4	19.33	19.21	19.25
	Band	1	WCDMA \	/
	TX Channel	4132	4183	4233
F	requency (MHz)	826.4	836.6	846.6
	. Power+Max. Tolerance (dBm)	020.1	23.90	0.0.0
3GPP Rel 99	RMC 12.2Kbps	23.75	23.77	23.82
3011 70133	HSDPA Subtest-1	23.60	23.69	23.68
	HSDPA Subtest-2	23.57	23.58	23.67
3GPP Rel 5	HSDPA Subtest-3	23.13	23.20	23.30
	HSDPA Subtest-4	23.19	23.23	23.19
	HSUPA Subtest-1	23.69	23.65	23.63
	HSUPA Subtest-2	21.59	21.72	21.71
3GPP Rel 6	HSUPA Subtest-3	22.54	22.67	22.79
JOI I KEI U	HSUPA Subtest-4	21.62	21.67	21.78
	HSUPA Subtest-5	23.68	23.66	23.63
2CDD Dol 7	HSUPA Subtest-5 HSPA+		23.66	23.80
3GPP Rel 7		23.61		
	DC-HSDPA Subtest-1	23.54	23.74	23.67
3GPP Rel 8	DC-HSDPA Subtest-2	23.62	23.72	23.75
	DC-HSDPA Subtest-3	23.11	23.18	23.22
	DC-HSDPA Subtest-4	23.04	23.08	23.11

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Sub-Test for HSDPA

SUB-TEST	β_{c}	β_{d}	β _d (SF)	β_c/β_d	β _{HS} (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15	15/15	64	12/15	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Sub-Test for HSUPA

SUB-TEST	βς	β _d	β _d (SF)	β _o /β _d	β _{HS} (Note1)	β _{ec}	β _{ed} (Note 5) (Note 6)	β _{ed} (SF)	β _{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 6)	E-TFCI
1	11/15	15/15	64	11/15	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β _{ed} 1: 47/15 β _{ed} 2: 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	15/15	64	15/15	30/15	24/15	134/15	4	1	1.0	0.0	21	81

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Notebook mode

Tx5-LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 17 / Band 25 / Band 26 / Band 30 / Band 66 power table:

				LIE	Band 2			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	_	
	Frequenc	y (MHz)		1860	1880	1900	Target Power + Max.	MPR Allowed pe 3GPP(dB)
	Chai	nnel		18700	18900	19100	Tolerance (dBm)	
		1	0	18.42	18.39	18.46	18.50	0
	[1	50	18.31	18.32	18.34	18.50	0
		1	99	18.23	18.26	18.28	18.50	0
	QPSK	50	0	18.19	18.20	18.25	18.50	0
		50	25	18.35	18.21	18.37	18.50	0
		50 100	50 0	18.34 18.25	18.29 18.19	18.28 18.26	18.50 18.50	0
		1	0	18.25	18.32	18.29	18.50	0
		1	50	18.37	18.31	18.35	18.50	0
		1	99	18.22	18.30	18.28	18.50	0
	16-QAM	50	0	18.32	18.29	18.36	18.50	0
	l i	50	25	18.34	18.20	18.37	18.50	0
	[50	50	18.29	18.36	18.23	18.50	0
20		100	0	18.34	18.29	18.25	18.50	0
		1	0	18.25	18.31	18.23	18.50	0
		1	50	18.31	18.29	18.33	18.50	0
	64 0 4 4	1	99	18.20	18.21	18.32	18.50	0
	64-QAM	50	0	18.33	18.26	18.22	18.50	0
		50 50	25 50	18.30 18.26	18.20	18.37 18.28	18.50 18.50	0
		100	0	18.33	18.33 18.28	18.24	18.50	0
		1	0	18.25	18.20	18.36	18.50	0
		1	50	18.26	18.27	18.20	18.50	0
		1	99	18.28	18.26	18.25	18.50	0
	256-QAM	50	0	18.31	18.34	18.29	18.50	0
	l i	50	25	18.26	18.22	18.21	18.50	0
	l [50	50	18.26	18.23	18.23	18.50	0
		100	0	18.42	18.41	18.37	18.50	0
	Frequenc	y (MHz)		1857.5	1880	1902.5	Target Power + Max.	MPR Allowed pe
	Chai	nnel		18675	18900	19125	Tolerance (dBm)	3GPP(dB)
		1	0	18.48	18.38	18.37	18.50	0
	l [1	36	18.49	18.42	18.49	18.50	0
	1	1	74	18.39	18.49	18.48	18.50	0
	QPSK	36	0	18.41	18.32	18.47	18.50	0
		36	18	18.32	18.32	18.45	18.50	0
		36	37	18.50	18.42	18.46	18.50	0
	\vdash	75 1	0	18.42 18.40	18.46 18.38	18.38 18.37	18.50 18.50	0
		1	36	18.50	18.39	18.47	18.50	0
		1	74	18.36	18.50	18.49	18.50	0
	16-QAM	36	0	18.33	18.34	18.39	18.50	0
		36	18	18.47	18.46	18.40	18.50	0
		36	37	18.35	18.47	18.48	18.50	0
15		75	0	18.42	18.42	18.33	18.50	0
13		1	0	18.33	18.34	18.44	18.50	0
		1	36	18.35	18.43	18.37	18.50	0
64-0	,, ,	1	74	18.50	18.42	18.38	18.50	0
	64-QAM	36	0	18.36	18.35	18.45	18.50	0
		36	18	18.41	18.36	18.43	18.50	0
		36 75	37 0	18.44 18.39	18.44	18.39 18.47	18.50 18.50	0
		1	0	18.39	18.47 18.31	18.47	18.50	0
		1	36	18.49	18.44	18.38	18.50	0
		1	74	18.42	18.34	18.45	18.50	0
	256-QAM	36	0	18.46	18.46	18.31	18.50	0
200 3/11	1	36	18	18.35	18.41	18.32	18.50	0
		36	37	18.49	18.31	18.44	18.50	0

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Tesquency (WHZ)					LTE	Band 2			
Terquency (MHz)	BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	.	
Channel		Frequenc	cy (MHz)		1855	1880	1905	Power + Max.	MPR Allowed per 3GPP(dB)
1 25 18.38 18.33 18.42 18.50 0 0 1 1 49 18.35 18.34 18.55 18.50 0 0 0 1 1 1 49 18.35 18.34 18.55 18.50 0 0 0 1 1 1 49 18.35 18.34 18.55 18.50 0 0 1 1 1 25 18.35 18.35 18.38 18.50 0 0 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 2 1		Cha	nnel		18650	18900	19150	Tolerance (ubin)	
1									
OPSK 25									_
10		ODOK							
10		QP5K							
10									
1									
1									
16-QAM									
16-QAM									
10		16-QAM	25	0	18.43	18.44	18.43		0
10			25	12	18.32	18.39	18.36	18.50	0
1			25	25	18.36	18.35	18.44	18.50	0
1	10								
1									
B4-QAM									
Page									
25		64-QAM							
SO									
1									
1									
1									
256-QAM									
Page		256-QAM							
Frequency (MHz) 1852.5 1880 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1907.5 1850 1850 1907.5 1850		200 0,							
Frequency (MHz) 1852.5 1880									
Channel 18625 18900 19175 Tolerance (dBm) 3GPP(dB) 1			50	0	18.31	18.33	18.45		0
Tolerance (dBm) Tolerance (dBm) Tolerance (dBm) Tolerance (dBm)		Frequenc	cy (MHz)		1852.5	1880	1907.5		MPR Allowed per
PSK 1		Cha	nnel		18625	18900	19175		3GPP(dB)
PSK			1	0	18.42	18.40	18.33	18.50	0
PSK			1	12	18.46	18.35	18.25	18.50	0
12 6 18.47 18.43 18.31 18.50 0 12 13 18.32 18.31 18.39 18.50 0 25 0 18.46 18.34 18.31 18.50 0 1 0 18.40 18.41 18.41 18.50 0 1 1 12 18.44 18.46 18.47 18.50 0 1 1 24 18.35 18.48 18.37 18.50 0 12 0 18.21 18.47 18.36 18.50 0 12 13 18.38 18.43 18.36 18.50 0 12 13 18.38 18.43 18.36 18.50 0 12 13 18.38 18.43 18.36 18.50 0 14 12 13 18.38 18.43 18.36 18.50 0 15 1 1 24 18.35 18.48 18.37 18.50 0 16 1 1 2 13 18.38 18.43 18.50 0 17 1 1 2 18.32 18.36 18.42 18.50 0 18 1 1 2 18.32 18.36 18.42 18.50 0 19 1 1 12 18.32 18.36 18.42 18.50 0 10 18 18 18 18 18 18 18 18 18 18 18 18 18			1	24	18.48	18.31	18.48	18.50	0
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			25	0	18.47	18.46	18.33	18.50	0

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 t (886-2) 2299-3279

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Channel 20050 20175 20300 Tolerance (GBm)					LTE	Band 4			
Tragular Trage T	BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
Channel 20050 20175 20300 Colorance (dsm)						· ·	<u> </u>		MPR Allowed per
1 60 18.00 18.09 17.98 18.20 0		Char	nnel		20050	20175	20300	Tolerance (dBm)	3GI I (db)
A			1	0	18.12	18.18	18.15	18.20	0
QPSK 50									
SO		OBSK							
16-QAM		QP3K							
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1				0					0
16-QAM					18.06	17.99	18.00	18.20	
20 16-QAM							_		
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SO		64-QAM							
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Total									
256-QAM									
1 99									
256-QAM 50									
SO		256-QAM							
Triggraphic				-					
Trequency (MHz)			50	50	18.05	18.00	17.98	18.20	0
Channel 20025 20175 20325 Tolerance (dBm) AGPP (dB) GPP (100	0	17.96	18.12	18.09	18.20	0
Channel 20025 20175 20325 Tolerance (dBm) 3GPP(dB)		Frequenc	y (MHz)		1717.5	1732.5	1747.5		MPR Allowed per
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64-QAM 36 0 18.05 18.03 17.98 18.20 0 36 18 17.92 17.94 18.03 18.20 0 0 36 37 18.01 18.00 18.08 18.20 0 0 17.98 18.07 17.97 18.20 0 0 17.98 18.07 17.97 18.20 0 0 18.08 18.20 0 0 18.08 18.20 0 0 18.08 18.20 0 0 18.09 18.09 18.00 18.20 0 0 18.05 17.92 18.20 0 0 18.05 17.92 18.20 0 0 18.05 18.00 18.00 18.20 0 0 18.05 18.00 18.00 18.00 18.00 18.00 18.00 18.00 0 18.05 18.00									
36 18 17.92 17.94 18.03 18.20 0 36 37 18.01 18.00 18.08 18.20 0 75 0 17.98 18.07 17.97 18.20 0 1 0 18.02 18.05 17.92 18.20 0 1 36 18.10 17.95 18.01 18.20 0 1 74 18.09 18.09 18.10 18.20 0 256-QAM 36 0 18.05 18.08 18.04 18.20 0 36 18 18.09 17.96 17.99 18.20 0 36 37 18.06 18.11 18.06 18.20 0		64-QAM							
36 37 18.01 18.00 18.08 18.20 0 75 0 17.98 18.07 17.97 18.20 0 1 0 18.02 18.05 17.92 18.20 0 1 36 18.10 17.95 18.01 18.20 0 1 74 18.09 18.09 18.10 18.20 0 256-QAM 36 0 18.05 18.08 18.04 18.20 0 36 18 18.09 17.96 17.99 18.20 0 36 37 18.06 18.11 18.06 18.20 0		'							
1 0 18.02 18.05 17.92 18.20 0 1 36 18.10 17.95 18.01 18.20 0 1 74 18.09 18.09 18.10 18.20 0 256-QAM 36 0 18.05 18.08 18.04 18.20 0 36 18 18.09 17.96 17.99 18.20 0 36 37 18.06 18.11 18.06 18.20 0									
1 36 18.10 17.95 18.01 18.20 0 1 74 18.09 18.09 18.10 18.20 0 256-QAM 36 0 18.05 18.08 18.04 18.20 0 36 18 18.09 17.96 17.99 18.20 0 36 37 18.06 18.11 18.06 18.20 0			75	0	17.98	18.07			0
256-QAM 36 0 18.09 18.09 18.10 18.20 0 36 18 18.09 17.96 17.99 18.20 0 36 37 18.06 18.11 18.06 18.20 0									
256-QAM 36 0 18.05 18.08 18.04 18.20 0 36 18 18.09 17.96 17.99 18.20 0 36 37 18.06 18.11 18.06 18.20 0									
36 18 18.09 17.96 17.99 18.20 0 36 37 18.06 18.11 18.06 18.20 0		050 0 447							
36 37 18.06 18.11 18.06 18.20 0		256-QAM							
			75	0	18.04	17.93	18.06	18.20	0

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				LTC	Band 4			
				LIE	banu 4			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target	
	Frequen	cy (MHz)		1715	1732.5	1750	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		20000	20175	20350	,	
		1	0	18.05	17.95	17.92	18.20	0
		1	25 49	17.99 17.96	17.93 18.05	18.06 17.97	18.20 18.20	
	QPSK	25	0	18.05	17.94	18.00	18.20	0
		25	12	17.93	18.03	18.01	18.20	0
		25	25	18.11	18.03	18.03	18.20	0
		50	0	17.98	18.06	17.99	18.20	
		1 1	0 25	17.93 18.10	17.93 18.03	18.02 18.04	18.20 18.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		1	49	17.92	17.93	18.06	18.20	_
	16-QAM	25	0	18.09	18.02	18.06	18.20	
		25	12	17.97	18.03	18.04	18.20	
	Frequenc Char QPSK	25	25	18.10	17.98	17.96	18.20	
10		50 1	0	18.00 17.93	17.96 18.03	17.93 18.07	18.20 18.20	
		1	25	17.93	17.98	17.98	18.20	
		1	49	17.97	18.11	18.09	18.20	
	64-QAM	25	0	17.95	18.10	18.02	18.20	0
		25	12	18.00	18.06	17.92	18.20	
		25	25	18.08	18.09	17.98	18.20	_
		50 1	0	17.95	18.03 18.04	18.00 17.99	18.20	
		1	0 25	18.00 17.94	18.09	17.99	18.20 18.20	
		1	49	18.11	18.03	18.02	18.20	
	256-QAM	25	0	17.99	18.05	17.98	18.20	
		25	12	18.05	18.02	18.01	18.20	
		25	25	18.08	18.11	18.07	18.20	
		50	0	18.02	18.10	18.10	18.20	0
		* ` '		1712.5	1732.5	1752.5	Target Power + Max.	MPR Allowed per
	Cha		1 -	19975	20175	20375	Tolerance (dBm)	` ′
		1	0 12	17.97 17.99	18.03 17.99	18.06 18.10	18.20 18.20	
		1	24	17.99	17.99	18.11	18.20	_
	QPSK	12	0	17.97	17.93	18.06	18.20	
		12	6	17.94	18.03	17.96	18.20	0
		12	13	18.03	17.93	17.95	18.20	0
		25	0	17.99	17.92	17.95	18.20	
		1	0 12	18.01 17.93	17.93 17.94	17.98 18.08	18.20 18.20	
		1	24	18.05	18.00	18.00	18.20	
	16-QAM	12	0	17.93	18.11	17.96	18.20	_
		12	6	18.10	17.96	18.03	18.20	
		12	13	17.98	17.99	17.92	18.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5		25	0	17.92	17.92	18.06 17.99	18.20 18.20	
		1 1	0 12	18.01 18.04	18.01 18.06	17.99	18.20 18.20	0
		1	24	17.96	18.10	18.01	18.20	
	64-QAM	12	0	18.06	17.99	17.98	18.20	
		12	6	17.96	18.01	17.98	18.20	
		12	13	18.11	17.94	18.02	18.20	
		25	0	18.08	17.95	18.08	18.20	
		1 1	0 12	17.96 17.97	18.11 17.95	18.00 18.03	18.20 18.20	
		1	24	18.02	18.07	18.01	18.20	
	256-QAM	12	0	18.08	17.98	18.05	18.20	
		12	6	17.94	18.07	18.04	18.20	
		12	13	17.93	18.04	18.01	18.20	
L		25	0	17.97	17.94	17.95	18.20	0

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				LTE	Band 4			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Torget	
	Frequenc	cy (MHz)		1711.5	1732.5	1753.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		19965	20175	20385		
		1	0	17.98	18.10	18.05	18.20	0
		1	7	17.95	18.02	18.05	18.20	_
	QPSK	1	14	17.98	18.06	18.02	18.20	
	QP3N	<u>8</u> 8	0 4	18.03 18.07	18.11 18.00	17.94 18.05	18.20 18.20	_
		8	7	18.02	18.02	18.01	18.20	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		15	0	17.99	18.08	17.99	18.20	
		1	0	18.07	17.95	17.98	18.20	0
	[1	7	18.03	18.08	17.92	18.20	0
		1	14	18.04	17.95	18.09	18.20	
	16-QAM	8	0	17.93	18.11	18.08	18.20	-
		8	4	17.94	17.94	17.93	18.20	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		- 8 - 15	7	17.99	17.98	17.99	18.20	
3	-	15 1	0	18.02 17.96	18.09 18.05	18.04 17.98	18.20 18.20	
		1	7	18.04	18.05	17.98	18.20	-
		1	14	17.95	18.10	18.03	18.20	
	64-QAM	8	0	18.08	17.92	17.97	18.20	
		8	4	18.09	17.96	17.96	18.20	0
		8	7	18.00	17.93	18.01	18.20	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		15	0	17.99	18.00	17.95	18.20	0
		1	0	17.93	18.10	17.93	18.20	0 0 0
		1	7	18.04	17.99	17.92	18.20	_
	250 0444	1	14	17.98	18.06	17.96	18.20	
	256-QAM	<u>8</u> 8	0 4	18.06 18.00	18.03 17.93	18.09 18.01	18.20 18.20	-
		<u> </u>	7	18.06	18.06	18.07	18.20	
		15	0	17.96	18.11	18.00	18.20	_
	F							
	Frequenc	, , ,		1710.7	1732.5	1754.3	Target Power + Max. Tolerance (dBm)	
	Criai			19957	20175	20393	, ,	
		1	0	18.04	17.97	18.10	18.20	
		11	2	17.99	17.92	18.07	18.20	
	QPSK	<u>1</u> 3	5 0	18.00 18.11	17.98 17.97	18.10 18.04	18.20 18.20	
	QI OIN	3	2	18.03	18.06	17.92	18.20	0 0 0 0 0 0 0 MPR Allowed pe 3GPP(dB) 0 0 0 0 0 0
		3	3	18.11	18.08	17.98	18.20	-
		6	0	17.99	18.11	18.11	18.20	
		1	0	18.06	18.02	18.05	18.20	
	[1	2	18.06	18.00	18.02	18.20	
	l	11	5	18.04	18.00	18.02	18.20	
	16-QAM	3	0	17.99	18.04	17.99	18.20	
		3	2	17.94	17.96	18.08	18.20	0 0 0 0 0 0 0 MPR Allowed per 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0
		3	3	18.02	18.09	17.92	18.20	
1.4		6 1	0	17.93 17.92	18.04 18.00	17.95 18.03	18.20 18.20	
		1	2	18.03	18.10	17.95	18.20	
		1	5	18.03	18.06	17.94	18.20	
	64-QAM	3	0	18.01	18.11	18.04	18.20	
		3	2	18.03	18.07	18.09	18.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	[3	3	18.07	18.05	17.97	18.20	0
		6	0	17.97	18.07	17.95	18.20	
		1	0	18.03	17.93	17.99	18.20	
		11	2	18.08	18.11	17.92	18.20	
	256 0 4 14	1	5	17.93	18.09	18.10	18.20	
	256-QAM	3	0	18.05	18.04	18.09	18.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		3	3	18.09 17.96	17.93 17.93	18.06 17.98	18.20 18.20	
I		6	0	17.97	17.93	18.05	18.20	
		J		11.01	17.57	10.00	10.20	

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				LTE I	Band 5			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	icted power	(dBm)	Tourst	
	Frequen	cy (MHz)		829	836.5	844	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		20450	20525	20600	Tolorance (abin)	
		1	0	24.14	24.17	24.10	24.50	0
		1	25 49	24.04 24.07	23.97 24.02	24.08 24.01	24.50 24.50	
	QPSK	25	0	22.95	23.12	23.04	23.50	
	Qi Oit	25	12	22.97	23.09	22.95	23.50	
		25	25	22.99	22.94	22.98	23.50	
		50	0	22.99	23.13	23.08	23.50	0-1
		1	0	23.05	22.94	23.05	23.50	3GPP(dB) 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-
		1	25	23.06	23.01	23.00	23.50	
		1	49	23.02	22.98	23.05	23.50	
	16-QAM	25	0	22.07	22.04	22.10	22.50	
		25	12	22.11	22.11	21.94	22.50	
	16-QAM 64-QAM 256-QAM	25	25	21.98	21.99	22.04	22.50	
10		50 1	0	22.03 22.10	22.05 22.10	21.97 21.98	22.50 22.50	
		1	25	22.10	22.10	21.98	22.50	
		1	49	22.06	21.96	22.00	22.50	
	64-QAM	25	0	21.08	20.95	21.10	21.50	
		25	12	21.01	21.06	20.94	21.50	
		25	25	21.13	21.08	21.09	21.50	0-3
		50	0	21.13	21.12	20.98	21.50	0-3
		1	0	18.96	18.98	19.13	19.50	
		1	25	19.04	18.94	19.05	19.50	
		1	49	19.11	19.02	19.02	19.50	
	256-QAM	25	0	19.09	18.94	18.99	19.50	
		25 25	12 25	19.12 19.05	19.12 19.03	18.94 19.05	19.50 19.50	
		50	0	18.98	19.03	19.00	19.50	
	Frequen		Ů	826.5	836.5	846.5	Target	
	Cha	nnel		20425	20525	20625	Power + Max. Tolerance (dBm)	
		1	0	23.99	24.13	23.98	24.50	0
		1	12	24.10	23.99	24.11	24.50	0
		1	24	24.11	24.12	24.12	24.50	0
	QPSK	12	0	23.01	22.94	22.99	23.50	
		12	6	23.03	23.13	22.97	23.50	
		12	13	22.96	23.03	22.95	23.50	
		25 1	0	22.99	23.08	22.95	23.50	
		1	12	23.09 23.03	23.06	23.02 22.98	23.50 23.50	
		1	24	22.97	23.04	23.08	23.50	
	16-QAM	12	0	22.07	22.09	22.09	22.50	
		12	6	22.00	22.05	21.97	22.50	
		12	13	22.09	22.06	22.05	22.50	0-1 0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-3 0-3 0-3 0-5 0-5 0-5 0-5 0-5 0-5 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
5		25	0	22.10	22.08	22.01	22.50	
3		1	0	22.08	22.12	22.13	22.50	
		1	12	21.95	22.00	22.00	22.50	
1		1	24	22.04	22.06	21.94	22.50	
				20.94	20.96	21.13	21.50	0-3
	64-QAM	12	0		04 00	04.00		0 0 0 1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
	64-QAM	12	6	21.11	21.06	21.08	21.50	
	64-QAM	12 12	6 13	21.11 21.09	20.95	21.02	21.50	0-3
	64-QAM	12 12 25	6 13 0	21.11 21.09 21.11	20.95 21.02	21.02 21.09	21.50 21.50	0-3 0-3
	64-QAM	12 12 25 1	6 13 0 0	21.11 21.09 21.11 19.09	20.95 21.02 19.03	21.02 21.09 19.13	21.50 21.50 19.50	0-3 0-3 0-5
	64-QAM	12 12 25 1	6 13 0 0 12	21.11 21.09 21.11 19.09 19.12	20.95 21.02 19.03 19.03	21.02 21.09 19.13 18.99	21.50 21.50 19.50 19.50	3GPP(dB) 0 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1
	64-QAM	12 12 25 1	6 13 0 0 12 24	21.11 21.09 21.11 19.09 19.12 19.00	20.95 21.02 19.03 19.03 19.13	21.02 21.09 19.13 18.99 19.09	21.50 21.50 19.50 19.50 19.50	0-3 0-3 0-5 0-5 0-5
		12 12 25 1 1	6 13 0 0 12	21.11 21.09 21.11 19.09 19.12	20.95 21.02 19.03 19.03	21.02 21.09 19.13 18.99	21.50 21.50 19.50 19.50	0-3 0-3 0-5 0-5 0-5 0-5
		12 12 25 1 1 1 1	6 13 0 0 12 24	21.11 21.09 21.11 19.09 19.12 19.00 19.08	20.95 21.02 19.03 19.03 19.13 18.98	21.02 21.09 19.13 18.99 19.09 18.96	21.50 21.50 19.50 19.50 19.50 19.50	0-3 0-3 0-5 0-5 0-5 0-5 0-5

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No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

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				LTE I	Band 5			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		825.5	836.5	847.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		20415	20525	20635	Tolerance (dBm)	3GI I (db)
		1	0	23.98	23.94	23.96	24.50	0
		1	7	24.05	23.99	23.94	24.50	0
	QPSK	1 8	14 0	24.00 22.98	23.98	24.01 23.08	24.50 23.50	
	QI SIX	8	4	22.98	23.00	23.06	23.50	
		8	7	22.99	23.07	23.01	23.50	0-1
		15	0	22.98	22.99	23.06	23.50	0-1
		1	0	23.04	23.03	22.96	23.50	3GPP(dB) 0 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-5 0-5 0-5 0-5 0-5 0-5 0-5 0-5 0-5 0-5
		1	7 14	23.06	22.96	23.12	23.50	
	16-QAM	1 8	0	23.12 22.13	23.13 22.08	23.00 22.10	23.50 22.50	
	10 QAW	8	4	21.94	21.99	22.12	22.50	
		8	7	21.98	22.07	22.11	22.50	
3		15	0	22.00	22.13	21.97	22.50	0-2
	7	1	0	22.08	21.97	22.08	22.50	
		1	7	22.02	22.05	22.00	22.50	
	64-QAM	<u>1</u> 8	14 0	22.02 20.98	22.05 21.10	21.99 21.05	22.50	
	64-QAIVI	8	4	20.98	21.10	21.05	21.50 21.50	
		8	7	21.03	20.99	21.00	21.50	3GPP(dB) 0 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		15	0	20.99	21.04	20.96	21.50	
		1	0	19.09	18.97	18.99	19.50	
		1	7	19.06	19.08	18.96	19.50	0-5
	[1	14	19.13	18.98	19.12	19.50	
	256-QAM	8	0	19.13	18.99	19.06	19.50	
		8	4	18.96	19.04	19.08	19.50	
		8	7	19.07	19.03	19.06	19.50	
	Frequenc	15 cv (MHz)	0	19.09 824.7	19.04 836.5	18.94 848.3	19.50 Target	
	Chai			20407	20525	20643	Power + Max. Tolerance (dBm)	
	I I	1	0	24.05	24.11	23.95	24.50	0
		1	2	24.02	24.04	24.01	24.50	-
		1	5	24.12	24.09	24.12	24.50	
	QPSK	3	0	23.03	22.99	23.07	23.50	0 0 0 0 0 1 0 -1 0 -1 0 -1 0 -5 0 -5 0 -
	[3	2	23.00	23.04	23.07	23.50	
		3	3	22.98	23.12	22.94	23.50	0 0 0 0-1 0-1 0-1
		6	0	23.08	23.10	22.94	23.50	
		<u>1</u>	0 2	23.01 23.04	23.00 22.97	23.04 23.00	23.50 23.50	
		1	5	23.02	22.95	23.08	23.50	
	16-QAM	3	0	21.95	21.96	21.97	22.50	
		3	2	22.05	22.10	22.12	22.50	0-2
		3	3	22.11	22.13	22.09	22.50	0-2 0-3 0-3 0-3 0-3 0-3 0-5 0-5 0-5 0-5 0-5 0-5 0-5 0-5 0-6 MPR Allowed per 3GPP(dB) 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
1.4		6	0	22.13	22.00	21.98	22.50	
		11	0	22.08	21.97	21.99	22.50	
		1 1	2	22.04	21.98	22.02	22.50	
	64-QAM	3	5 0	21.94 20.94	22.09 21.02	22.03 21.05	22.50 21.50	
l	U GANINI	3	2	21.05	21.02	21.05	21.50	3GPP(dB) 0 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		3	3	21.11	21.11	21.00	21.50	
		6	0	20.99	20.99	20.95	21.50	
		1	0	19.01	19.04	19.11	19.50	
		1	2	18.96	19.07	18.96	19.50	
		11	5	18.98	19.06	18.96	19.50	
	256-QAM	3	0	19.10	18.97	19.06	19.50	3GPP(dB) 0 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-3 0-3 0-3 0-3 0-5 0-5 0-5 0-5 0-5 0-5 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		3	2	19.00	19.11	19.02	19.50	
		3	3	19.11	19.11	18.95	19.50	
Ļ		6	0	18.95	19.06	19.01	19.50	U-5

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				LTE	Band 7			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		2510	2535	2560	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char	nnel		20850	21100	21350	Tolerance (dBm)	, ,
		1	0	18.56	18.47	18.50	18.60	0
		1 1	50 99	18.29 18.32	18.44 18.40	18.41 18.40	18.60 18.60	
	QPSK	50	0	18.35	18.43	18.39	18.60	0
		50	25	18.34	18.29	18.32	18.60	0
		50	50	18.44	18.30	18.35	18.60	
		100 1	0	18.31 18.27	18.27 18.32	18.30 18.27	18.60 18.60	
		1	50	18.36	18.36	18.44	18.60	0
		1	99	18.30	18.29	18.43	18.60	0
	16-QAM	50	0	18.34	18.43	18.35	18.60	0
		50 50	25 50	18.36 18.37	18.31 18.33	18.40 18.29	18.60 18.60	
		100	0	18.28	18.37	18.41	18.60	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
20		1	0	18.41	18.45	18.36	18.60	
		1	50	18.43	18.37	18.38	18.60	
	64 0 4 4	1	99	18.43	18.27	18.35	18.60	
	64-QAM	50 50	0 25	18.33 18.40	18.42 18.33	18.38 18.46	18.60 18.60	
		50	50	18.43	18.41	18.44	18.60	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		100	0	18.38	18.45	18.35	18.60	
		1	0	18.40	18.33	18.27	18.60	
		1	50	18.36	18.34	18.29	18.60	
	256-QAM	1 50	99	18.31	18.38	18.29 18.35	18.60	
	200-QAIVI	50	25	18.34 18.29	18.32 18.39	18.42	18.60 18.60	
		50	50	18.35	18.41	18.40	18.60	
		100	0	18.30	18.46	18.42	18.60	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Frequenc	cy (MHz)		2507.5	2535	2562.5	Target Power + Max.	
	Char	nnel		20825	21100	21375	Tolerance (dBm)	3GPP(dB)
		1	0	18.46	18.39	18.33	18.60	
		1	36	18.29	18.31	18.42	18.60	
	QPSK	1 36	74 0	18.29 18.37	18.35 18.45	18.45 18.37	18.60 18.60	
		36	18	18.28	18.31	18.34	18.60	
		36	37	18.31	18.41	18.39	18.60	0
		75	0	18.34	18.35	18.44	18.60	
		1 1	0 36	18.35	18.43 18.45	18.41 18.27	18.60	
		1	74	18.28 18.37	18.34	18.36	18.60 18.60	
	16-QAM	36	0	18.31	18.44	18.37	18.60	
		36	18	18.44	18.45	18.33	18.60	
	[36	37	18.34	18.40	18.36	18.60	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
15	 	75 1	0	18.39	18.36	18.32	18.60	
		1	36	18.28 18.36	18.32 18.43	18.27 18.28	18.60 18.60	
		1	74	18.39	18.39	18.38	18.60	
	64-QAM	36	0	18.37	18.39	18.41	18.60	0
	[36	18	18.45	18.29	18.28	18.60	0 0 0 0 MPR Allowed per 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		36 75	37	18.40	18.37	18.35	18.60	
		75 1	0	18.44 18.43	18.36 18.32	18.39 18.45	18.60 18.60	
		1	36	18.43	18.36	18.43	18.60	
		1	74	18.27	18.32	18.41	18.60	
	256-QAM	36	0	18.31	18.37	18.27	18.60	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		36	18	18.30	18.43	18.45	18.60	
		36 75	37 0	18.37	18.42	18.29	18.60	
		10	U	18.33	18.30	18.37	18.60	U

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				LTE	Band 7			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target	
	Frequenc	cy (MHz)		2505	2535	2565	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		20800	21100	21400	, ,	
		1	0	18.41	18.38	18.45	18.60	0
		<u>1</u>	25 49	18.46	18.46	18.41 18.37	18.60	
	QPSK	25	0	18.35 18.30	18.39 18.29	18.28	18.60 18.60	
	"	25	12	18.40	18.34	18.28	18.60	0
	[25	25	18.39	18.27	18.45	18.60	0
		50	0	18.32	18.32	18.37	18.60	0
		1 1	0 25	18.40 18.30	18.44 18.44	18.34 18.36	18.60 18.60	
		1	49	18.31	18.46	18.29	18.60	
	16-QAM	25	0	18.41	18.38	18.45	18.60	0
	[25	12	18.39	18.45	18.38	18.60	0
	[25	25	18.29	18.37	18.46	18.60	0
10	<u> </u>	50	0	18.36	18.35	18.31	18.60	0
		<u>1</u>	0 25	18.35 18.40	18.44 18.45	18.39	18.60 18.60	
	l 1	1	49	18.32	18.45	18.43 18.41	18.60	
	64-QAM	25	0	18.30	18.30	18.36	18.60	_
		25	12	18.40	18.44	18.28	18.60	0
	[25	25	18.27	18.41	18.35	18.60	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		50	0	18.36	18.45	18.39	18.60	
		1	0	18.42	18.41	18.45	18.60	0 0 0 0
		<u>1</u> 1	25 49	18.36 18.32	18.44 18.37	18.43 18.35	18.60 18.60	
	256-QAM	25	0	18.41	18.42	18.39	18.60	
		25	12	18.33	18.31	18.33	18.60	
		25	25	18.38	18.43	18.34	18.60	0
		50	0	18.30	18.38	18.29	18.60	0
	Frequenc	cy (MHz)		2502.5	2535	2567.5	Target Power + Max.	
	Char	nnel		20775	21100	21425	Tolerance (dBm)	3GFF(UB)
		1	0	18.37	18.43	18.46	18.60	
		1	12	18.34	18.37	18.31	18.60	
	QPSK	1 12	24 0	18.32 18.39	18.43 18.35	18.30 18.43	18.60 18.60	
	ا الا	12	6	18.31	18.30	18.32	18.60	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		12	13	18.41	18.29	18.42	18.60	
		25	0	18.41	18.39	18.37	18.60	
		1	0	18.27	18.45	18.37	18.60	_
		11	12	18.40	18.29	18.40	18.60	
	16-QAM	1 12	24 0	18.31 18.31	18.46 18.40	18.28 18.43	18.60 18.60	
	10-QAW	12	6	18.41	18.30	18.28	18.60	
		12	13	18.44	18.31	18.41	18.60	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5		25	0	18.44	18.28	18.32	18.60	
"		1	0	18.29	18.38	18.44	18.60	0
		1	12	18.28	18.27	18.29	18.60	
	64-QAM	1 12	24	18.45	18.40	18.37	18.60	
	04-QAIVI	12	0 6	18.34 18.38	18.29 18.31	18.27 18.30	18.60 18.60	
		12	13	18.43	18.39	18.32	18.60	
		25	0	18.30	18.41	18.31	18.60	
		1	0	18.38	18.45	18.42	18.60	
	[1	12	18.44	18.42	18.30	18.60	
:		1	24	18.34	18.37	18.28	18.60	
	256 0 444	40		10 44				
	256-QAM	12	0	18.41	18.41	18.32	18.60	
	256-QAM	12 12 12	0 6 13	18.41 18.46 18.35	18.41 18.35 18.41	18.32 18.33 18.30	18.60 18.60 18.60	0

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				LTE E	Band 12			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc			704	707.5	711	Target Power + Max.	MPR Allowed per
	Chai	nnel		23060	23095	23130	Tolerance (dBm)	SGFF (ub)
		1	0	23.37	23.33	23.35	23.40	0
	[1	25	23.13	23.23	23.19	23.40	0
	QPSK	1	49	23.27	23.23	23.21	23.40	
	QP5K	25 25	0 12	22.18 22.26	22.18 22.16	22.22 22.17	22.40 22.40	
		25	25	22.25	22.31	22.17	22.40	0-1
		50	0	22.26	22.17	22.23	22.40	0-1
		1	0	22.22	22.28	22.28	22.40	0-1
		1	25	22.22	22.22	22.16	22.40	
	40.044	1	49	22.20	22.17	22.22	22.40	
	16-QAM	25 25	0 12	21.28 21.32	21.15 21.26	21.23 21.21	21.40 21.40	
		25 25	25	21.32	21.20	21.21	21.40	0-2
10		50	0	21.30	21.17	21.15	21.40	0-2
10		1	0	21.29	21.15	21.32	21.40	0-2
		1	25	21.31	21.30	21.21	21.40	0-2
	64 644	1	49	21.20	21.25	21.24	21.40	
	64-QAM	25 25	0 12	20.20	20.29	20.20	20.40	
		25	25	20.13	20.27	20.21	20.40	3GPP(dB) 0 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		50	0	20.14	20.13	20.13	20.40	
		1	0	18.27	18.31	18.24	18.40	
		1	25	18.25	18.23	18.26	18.40	0-5
	[1	49	18.16	18.13	18.18	18.40	0-5
	256-QAM	25	0	18.32	18.31	18.20	18.40	
		25	12	18.17	18.26	18.32	18.40	
		25 50	25 0	18.20 18.23	18.13 18.30	18.14 18.14	18.40 18.40	
	_							0-3
	Frequenc			701.5	707.5	713.5	Target Power + Max.	
	Chai			23035	23095	23155	Tolerance (dBm)	
		1				23.21	23.40	
		11				23.14	23.40	
	QPSK	1 12				23.31 22.27	23.40 22.40	
	Q, O,	12				22.29	22.40	0 0 0 1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		12	2 0 22.32 22.22 2 6 22.27 22.21	22.20	22.40			
		25	0	22.19	22.32	22.32	22.40	
		11	0	22.23	22.28	22.24	22.40	
		11	12	22.13	22.17	22.26	22.40	
	16-044	1 12	24 0	22.17 21.13	22.31 21.22	22.14 21.21	22.40 21.40	
	10-QAIVI	12	6	21.13	21.25	21.21	21.40	
		12	13	21.27	21.25	21.25	21.40	0-2 0-2 0-2 0-2 0-2 0-3 0-3 0-3 0-3 0-5 0-5 0-5 0-5 0-5 0-5 0-6 MPR Allowed per 3GPP(dB) 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
5	<u> </u>	25	0	21.32	21.18	21.27	21.40	
) °		1	0	21.13	21.29	21.14	21.40	
	[11	12	21.30	21.32	21.16	21.40	
		1 10	24	21.30	21.26	21.20	21.40	
	64-QAM	12	0	20.31	20.15	20.32	20.40	
		12 12	6 13	20.26 20.25	20.15 20.14	20.23	20.40 20.40	
		25	0	20.25	20.14	20.28	20.40	
		1	0	18.17	18.20	18.20	18.40	
		1	12	18.13	18.30	18.25	18.40	
		1	24	18.26	18.18	18.22	18.40	0-5
	256-QAM	12	0	18.20	18.13	18.25	18.40	3GPP(dB) 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-
	16-QAM 64-QAM 256-QAM	12	6	18.23	18.21	18.16	18.40	
		12	13	18.24	18.21	18.21	18.40	I 0-5
		12 25	0	18.15	18.28	18.24	18.40	

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				LTE E	Band 12			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	cted power	(dBm)	Target	
	Frequenc	cy (MHz)		700.5	707.5	714.5	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		23025	23095	23165	Toloranco (abin)	
		1	0	23.16	23.24	23.21	23.40	0
		11	7	23.24	23.31	23.25	23.40	_
	QPSK	1	14	23.19	23.28	23.19	23.40	
	QPSK	<u>8</u> 8	0 4	22.30	22.29 22.13	22.25 22.20	22.40 22.40	
		8	7	22.29	22.13	22.20	22.40	
		15	0	22.31	22.26	22.21	22.40	0-1
		1	0	22.16	22.19	22.22	22.40	0-1
	l i	1	7	22.17	22.19	22.30	22.40	0-1
		1	14	22.16	22.27	22.16	22.40	0-1
	16-QAM	8	0	21.18	21.13	21.31	21.40	0-2
		8	4	21.30	21.22	21.27	21.40	0-2
	16-QAM 64-QAM 256-QAM	8	7	21.23	21.21	21.32	21.40	
3		15	0	21.24	21.29	21.29	21.40	
		1 1	7	21.20	21.13 21.30	21.22 21.13	21.40 21.40	
	 	1	14	21.20	21.23	21.15	21.40	
	64-QAM	8	0	20.19	20.30	20.18	20.40	
	01 97 1111	8	4	20.25	20.18	20.20	20.40	
		8	7	20.18	20.16	20.19	20.40	0-3
		15	0	20.21	20.16	20.23	20.40	0-3
		1	0	18.31	18.25	18.23	18.40	0-5
	[1	7	18.16	18.17	18.17	18.40	0-5
	l	1	14	18.18	18.27	18.27	18.40	0-5
	256-QAM	8	0	18.20	18.26	18.19	18.40	
		8	7	18.15	18.16	18.28	18.40	
		8 15	0	18.31 18.21	18.26 18.30	18.21 18.23	18.40 18.40	0 0 0 0 1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-
								0-3
	Frequenc	, , ,		699.7	707.5	715.3	Target Power + Max.	MPR Allowed per
	Char			23017	23095	23173	Tolerance (dBm)	` ′
		1	0	23.23	23.21	23.30	23.40	
		11	2	23.19	23.26	23.14	23.40	
	QPSK	<u>1</u> 3	5 0	23.32	23.21 22.15	23.23 22.30	23.40 22.40	
	QI OIN	3	2	22.25	22.15	22.25	22.40	0 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-
		3	3	22.18	22.14	22.23	22.40	
		6	0	22.18	22.25	22.17	22.40	
		1	0	22.14	22.31	22.23	22.40	0-1
	[1	2	22.24	22.28	22.23	22.40	0-1
	[1	5	22.13	22.18	22.30	22.40	
	16-QAM	3	0	21.19	21.14	21.31	21.40	
		3	2	21.30	21.28	21.23	21.40	0 0 0 0 1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-
		3	3	21.17	21.24	21.15	21.40	
1.4		6 1	0	21.16	21.21	21.13	21.40	
		1	2	21.16 21.19	21.28 21.14	21.23 21.30	21.40 21.40	
		1	5	21.19	21.14	21.32	21.40	
	64-QAM	3	0	20.20	20.28	20.18	20.40	
		3	2	20.23	20.23	20.25	20.40	0 0 0 1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-3 0-3 0-3 0-5 0-5 0-5 0-5 0-5 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		3	3	20.26	20.18	20.20	20.40	
		6	0	20.29	20.24	20.27	20.40	0-3
		1	0	18.15	18.27	18.22	18.40	
		1	2	18.30	18.24	18.25	18.40	
	050 0444	1	5	18.15	18.30	18.17	18.40	
	256-QAM	3	0	18.15	18.14	18.20	18.40	
		3	3	18.15	18.18	18.32	18.40 18.40	
		6	0	18.16 18.21	18.17 18.24	18.30 18.27		
		υ	U	18.21	10.24	10.21	18.40	U-0

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				LTE E	Band 13			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc			782	782	782	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char	nnel		23230	23230	23230	Tolerance (dBm)	3GFF(ub)
		1	0		23.57		23.60	0
	[1	25		23.51		23.60	0
	ODOK	1	49		23.36		23.60	
	QPSK	25 25	0 12		22.30 22.33		22.60 22.60	
		25	25		22.42		22.60	
		50	0		22.38		22.60	0-1
		1	0	et Conduc	22.49		22.60	0-1
		1	25		22.40		22.60	
	16-QAM	1 25	49 0		22.43		22.60 21.60	
	16-QAW	25	12		21.44		21.60	
		25	25		21.44		21.60	0-2
10		50	0	21.32			21.60	0-2
10		1	0		21.38		21.60	0-2
		1	25		21.49		21.60	0-2
	64-QAM	1 25	49 0		21.37		21.60 20.60	
	04-QAIVI	25	12		20.39		20.60	
		25	25		20.35		20.60	
		50	0		20.31		20.60	0-3
		1	0	18.30			18.60	0-5
		1	25		18.38		18.60	0-5
	256-QAM	1	49		18.47		18.60	
	256-QAIVI	25 25	0 12		18.32 18.32		18.60 18.60	
		25	25		18.31		18.60	
		50	0		18.49		18.60	0-5
	Frequenc	cy (MHz)		779.5	782	784.5	Target Power + Max.	MPR Allowed per
	Char	nnel		23205	23230	23255	Tolerance (dBm)	3GPP(dB)
		1	0		23.48	23.31	23.60	0
		1	12		23.31	23.38	23.60	0
	QPSK	1 12	24 0		23.30 22.44	23.30	23.60 22.60	
	QF SIN	12	6		22.44	22.34 22.33	22.60	0 0 0 1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		12	13		22.40	22.47	22.60	
		25	0		22.35	22.41	22.60	
	7	1	0		22.31	22.31	22.60	
		<u>1</u>	12 24		22.41 22.38	22.38 22.40	22.60	
	16-QAM	12	0		21.44	21.30	22.60 21.60	
	10 QAW	12	6		21.30	21.43	21.60	
		12	13		21.43	21.45	21.60	
5		25	0		21.45	21.32	21.60	0-2
		1	0		21.38	21.33	21.60	
		1 1	12		21.48	21.30	21.60	
	64-QAM	1 12	24 0		21.43	21.41	21.60 20.60	
	0.30,1141	12	6		20.34	20.34	20.60	0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		12	13		20.40	20.32	20.60	
		25	0		20.39	20.31	20.60	
		1	0		18.32	18.45	18.60	
		1	12		18.48	18.35 18.32	18.60	
	256-QAM	12	24 0		18.39 18.30	18.32	18.60 18.60	
	~	12	6		18.42	18.44	18.60	
		12	13	18.31	18.44	18.49	18.60	
1		25	0	18.42	18.35	18.31	18.60	0-5

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				LTE E	Band 14				
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)			
J. (2)	Frequenc		112 0001	793	793	793	Target Power + Max.	MPR Allowed per	
	Char						Tolerance (dBm)	3GPP(dB)	
	- Char			23330	23330	23330	24.42		
		<u>1</u>	0 25		23.92		24.10 24.10	0	
		1	49		23.71		24.10	0	
	QPSK	25	0		22.82		23.10	0-1	
		25	12		22.78		23.10	0-1	
		25 50	25 0		22.75 22.72		23.10 23.10		
		1	0		22.81		23.10	0-1	
		1	25		22.80		23.10	0-1	
		1	49		22.82		23.10	0-1	
	16-QAM	25	0 12		21.68 21.80		22.10 22.10		
		25 25	25		21.68		22.10		
10	L	50	0		21.76		22.10	0-2	
10		1	0		21.81		22.10	0-2	
		1	25		21.84		22.10		
	64-QAM	1 25	49 0		21.85 20.86		22.10 21.10		
	04-QAW	25	12		20.86		21.10		
		25	25		20.74		21.10	0-3	
		50	0		20.81		21.10	0-3	
		1	0		18.76		19.10		
		<u>1</u>	25 49		18.78 18.86		19.10 19.10		
	256-QAM	25	0		18.86		19.10		
		25	12		18.75		19.10	0-5	
	[25	25		18.76		19.10	0-5	
		50	0		18.87		19.10	0-5	
	Frequenc	cy (MHz)		790.5	793	795.5	Target Power + Max.	MPR Allowed per	
	Chai			23305	23330	23355	Tolerance (dBm)	` '	
		11	0	23.77	23.68	23.74	24.10	0	
		<u>1</u>	12 24	23.84	23.75 23.77	23.81 23.72	24.10 24.10		
	QPSK	12	0	22.84	22.72	22.77	23.10	0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1	
		12	6	22.69	22.84	22.87	23.10		
		12	13	22.77	22.74	22.77	23.10		
	\vdash	25	0	22.82	22.79	22.73	23.10		
		1 1	0 12	22.84 22.84	22.76 22.78	22.69 22.85	23.10 23.10		
		1	24	22.86	22.69	22.79	23.10		
	16-QAM	12	0	21.75	21.75	21.76	22.10		
	[12	6	21.84	21.68	21.74	22.10	0-2 0-2 0-2 0-3 0-3 0-3 0-3 0-3 0-5 0-5 0-5 0-5 0-5 0-5 0-5 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1	
		12	13	21.81	21.86	21.69 21.80	22.10 22.10		
5		25 1	0	21.74 21.72	21.86 21.78	21.68	22.10		
		1	12	21.68	21.73	21.72	22.10		
		1	24	21.71	21.72	21.73	22.10		
	64-QAM	12	0	20.73	20.87	20.77	21.10		
		12 12	6 13	20.71 20.87	20.79	20.82 20.84	21.10 21.10		
		25	0	20.87	20.83	20.84	21.10		
		1	0	18.70	18.68	18.79	19.10		
		1	12	18.78	18.77	18.79	19.10		
	050 044	1 10	24	18.76	18.73	18.72	19.10		
	256-QAM	12 12	6	18.78 18.74	18.76 18.81	18.69 18.75	19.10 19.10		
					18.76	18.75	19.10	0-5	
		12	13	18.68	10.70				

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				I TE E	Band 17			
BW(Mhz)	Modulation	RB Size	RB Offset		ucted power	(dRm)		
BW (IVINZ)			RB Offset	Condi	ictea power	(ubiii)	Target	MPP Allowed per
	Frequenc	cy (MHz)		709	710	711	Power + Max. Tolerance (dBm)	3GPP(dB)
	Chai	nnel		23780	23790	23800		
		<u>1</u>	0 25	23.44	23.47	23.40 23.34	23.50	0
		1	49	23.30 23.38	23.25 23.31	23.34	23.50 23.50	
	QPSK	25	0	22.24	22.43	22.26	22.50	0-1
		25	12	22.28	22.29	22.27	22.50	0-1
		25	25	22.39	22.31	22.25	22.50	0-1
		50	0	22.28	22.39	22.37	22.50	0-1
		1	0	22.37	22.26	22.33	22.50	3GPP(dB) 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-
		1	25	22.42	22.25	22.27	22.50	
	16 0 14	1	49	22.32	22.28	22.43	22.50	
	16-QAIVI	25 25	0 12	21.30	21.41	21.27	21.50	
		25 25	25	21.35 21.27	21.31 21.24	21.25 21.39	21.50 21.50	0 0 0 0 0 1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
	16-QAM 64-QAM 256-QAM	50	0	21.39	21.24	21.39	21.50	
10		1	0	21.29	21.42	21.30	21.50	
		1	25	21.27	21.33	21.27	21.50	
		1	49	21.33	21.31	21.37	21.50	0-2
	64-QAM	25	0	20.33	20.28	20.42	20.50	0-3
	l [25	12	20.37	20.24	20.26	20.50	0-3
	l [25	25	20.28	20.42	20.26	20.50	
		50	0	20.25	20.41	20.34	20.50	3GPP(dB) 0 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		1	0	18.42	18.32	18.25	18.50	
		1	25	18.31	18.38	18.36	18.50	
	256 OAM	1 25	49 0	18.31 18.36	18.36	18.27 18.25	18.50	
	250-QAIVI	25	12	18.37	18.27 18.33	18.28	18.50 18.50	
	l 1	25	25	18.43	18.28	18.36	18.50	
	l i	50	0	18.27	18.39	18.39	18.50	
	Frequenc	cy (MHz)		706.5	710	713.5	Target	MPR Allowed per
	Chai	nnel		23755	23790	23825	Power + Max. Tolerance (dBm)	
		1	0	23.28	23.19	23.30	23.50	0
		1	12	23.31	23.38	23.25	23.50	
	l [1	24	23.24	23.25	23.29	23.50	0
	QPSK	12	0	22.37	22.25	22.38	22.50	
		12	6	22.25	22.30	22.39	22.50	0 0 0 1 0-1 0-1 0-1 0-2 0-2 0-5 0-5 0-5 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		12	13	22.38	22.36	22.29	22.50	_
		25	0	22.33	22.26	22.40	22.50	
		<u>1</u>	0 12	22.25 22.31	22.41 22.40	22.35 22.34	22.50	
		1	24	22.31	22.40	22.34	22.50 22.50	
	16-QAM	12	0	21.41	21.24	21.29	21.50	
	30, 1111	12	6	21.32	21.35	21.27	21.50	
		12	13	21.27	21.36	21.29	21.50	3GPP(dB) 0 0 0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1
5		25	0	21.30	21.33	21.35	21.50	
°		1	0	21.29	21.27	21.43	21.50	0-2
	[1	12	21.24	21.41	21.39	21.50	
	ا ـ [11	24	21.26	21.37	21.28	21.50	
	64-QAM	12	0	20.24	20.25	20.37	20.50	
		12	6	20.35	20.34	20.42	20.50	
		12	13	20.32	20.37	20.40	20.50	
		25 1	0	20.28	20.34	20.36	20.50	
		1	12	18.36 18.35	18.26 18.31	18.34 18.31	18.50 18.50	
		1	24	18.27	18.28	18.26	18.50	
	256-QAM	12	0	18.37	18.27	18.24	18.50	
		12	6	18.39	18.27	18.39	18.50	
		12	13	18.30	18.29	18.30	18.50	
	-	25	0	18.41	18.26	18.34	18.50	

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				LTE E	Band 25			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc			1860	1882.5	1905	Target Power + Max.	MPR Allowed per
	Char	nnel		26140	26365	26590	Tolerance (dBm)	3GFF(ub)
		1	0	18.74	18.70	18.77	18.80	0
		1 1	50 99	18.63 18.68	18.50 18.59	18.56 18.52	18.80 18.80	
	QPSK	50	0	18.50	18.64	18.64	18.80	
		50	25	18.49	18.54	18.56	18.80	0
		50	50	18.59	18.50	18.67	18.80	0
		100 1	0	18.68 18.64	18.62 18.55	18.53 18.64	18.80 18.80	
		1	50	18.68	18.53	18.61	18.80	
		1	99	18.61	18.57	18.49	18.80	0
	16-QAM	50	0	18.59	18.56	18.52	18.80	0
		50 50	25	18.59	18.56	18.59 18.62	18.80	
		100	50 0	18.62 18.51	18.49 18.53	18.62	18.80 18.80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
20		1	0	18.52	18.60	18.54	18.80	
	[1	50	18.68	18.66	18.49	18.80	
		1	99	18.52	18.66	18.53	18.80	
	64-QAM	50 50	0 25	18.54 18.66	18.59 18.49	18.56 18.61	18.80 18.80	
		50	50	18.58	18.52	18.59	18.80	
		100	0	18.63	18.65	18.56	18.80	
		1	0	18.61	18.49	18.61	18.80	0
		1	50	18.65	18.54	18.67	18.80	
	256-QAM	1	99	18.52	18.52	18.54	18.80	
	256-QAIVI	50 50	0 25	18.59 18.53	18.53 18.65	18.53 18.50	18.80 18.80	
		50	50	18.54	18.58	18.62	18.80	
		100	0	18.49	18.68	18.52	18.80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Frequenc	cy (MHz)		1857.5	1882.5	1907.5	Target Power + Max.	MPR Allowed per
	Char	nnel		26115	26365	26615	Tolerance (dBm)	3GPP(dB)
		1	0	18.63	18.66	18.50	18.80	
		1	36	18.63	18.56	18.54	18.80	
	QPSK	1 36	74 0	18.59 18.53	18.50 18.57	18.60 18.68	18.80 18.80	
		36	18	18.66	18.50	18.59	18.80	
		36	37	18.54	18.63	18.67	18.80	
		75	0	18.62	18.56	18.63	18.80	_
		1 1	0 36	18.59 18.55	18.59	18.61 18.58	18.80	
		1	74	18.63	18.56 18.51	18.63	18.80 18.80	
	16-QAM	36	0	18.51	18.52	18.64	18.80	
		36	18	18.64	18.66	18.63	18.80	
	[36	37	18.56	18.68	18.67	18.80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
15	 	75 1	0	18.67	18.68	18.49	18.80	
		1	36	18.64 18.55	18.67 18.51	18.55 18.58	18.80 18.80	
		1	74	18.50	18.64	18.64	18.80	
	64-QAM	36	0	18.65	18.62	18.51	18.80	0
	[36	18	18.49	18.55	18.64	18.80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		36 75	37	18.64	18.57	18.62	18.80	
		75 1	0	18.59 18.63	18.59 18.60	18.61 18.53	18.80 18.80	
		1	36	18.66	18.59	18.55	18.80	
		1	74	18.62	18.58	18.58	18.80	
	256-QAM	36	0	18.57	18.55	18.66	18.80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		36	18	18.62	18.52	18.56	18.80	
		36 75	37	18.68	18.64	18.57	18.80	
		75	0	18.57	18.60	18.51	18.80	L U

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				LTE E	Band 25			
BW(Mhz)	Modulation	RB Size	RB Offset		ucted power	(dRm)		
BVV (IVII12)			KB Oliset			<u> </u>	Target	MPR Allowed per
	Frequency (MHz)			1855	1882.5	1910	Power + Max. Tolerance (dBm)	3GPP(dB)
	Channel			26090	26365	26640		
		<u>1</u>	0 25	18.56 18.59	18.49 18.51	18.62 18.57	18.80 18.80	0
		1	49	18.62	18.62	18.58	18.80	0
	QPSK	25	0	18.62	18.49	18.57	18.80	0
		25 25	12 25	18.53 18.51	18.54 18.51	18.62 18.68	18.80 18.80	0
		50	0	18.57	18.66	18.51	18.80	0
		1	0	18.54	18.55	18.66	18.80	0
		1	25	18.67	18.62	18.68	18.80	0
	16-QAM	1 25	49 0	18.55 18.57	18.53 18.63	18.58 18.55	18.80 18.80	0
	10-QAW	25	12	18.55	18.57	18.50	18.80	0
		25	25	18.63	18.57	18.64	18.80	0
10		50	0	18.56	18.53	18.62	18.80	0
		1 1	0 25	18.57	18.57	18.56	18.80	0
		<u>1</u> 1	49	18.54 18.56	18.55 18.66	18.60 18.62	18.80 18.80	0
	64-QAM	25	0	18.51	18.67	18.55	18.80	0
		25	12	18.52	18.61	18.66	18.80	0
		25	25	18.64	18.55	18.49	18.80	0
		50 1	0	18.66	18.66	18.52 18.62	18.80	0
		1	25	18.53 18.51	18.67 18.52	18.53	18.80 18.80	0
	256-QAM	1	49	18.61	18.49	18.67	18.80	0
		25	0	18.51	18.55	18.62	18.80	0
		25	12	18.57	18.63	18.67	18.80	0
		25	25	18.67 18.63	18.63	18.51	18.80	0
	50 0 Frequency (MHz)				18.55 1882.5	18.49 1912.5	18.80 Target	0
	Char			1852.5 26065	26365	26665	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	П	1	0	18.54	18.63	18.49	18.80	0
		1	12	18.50	18.64	18.57	18.80	0
		1	24	18.62	18.51	18.60	18.80	0
	QPSK	12	0	18.56	18.66	18.59	18.80	0
		12 12	6 13	18.65 18.55	18.56 18.68	18.49 18.53	18.80 18.80	0
		25	0	18.66	18.59	18.63	18.80	0
		1	0	18.52	18.64	18.61	18.80	0
		1	12	18.67	18.66	18.53	18.80	0
		1 10	24	18.52	18.50	18.59	18.80	0
	16-QAM	12 12	6	18.62 18.57	18.54 18.50	18.60 18.56	18.80 18.80	0
		12	13	18.68	18.61	18.54	18.80	0
_		25	0	18.64	18.49	18.54	18.80	0
5		1	0	18.57	18.58	18.64	18.80	0
		1	12	18.64	18.60	18.64	18.80	0
	64-QAM	1 12	24 0	18.52	18.59	18.68	18.80 18.80	0
	U4-QAIVI	12	6	18.67 18.63	18.64 18.61	18.66 18.61	18.80	0
		12	13	18.65	18.57	18.68	18.80	0
		25	0	18.53	18.62	18.51	18.80	0
		1	0	18.51	18.55	18.53	18.80	0
		1	12	18.58	18.53	18.68	18.80	0
	256-QAM	1 12	24 0	18.49 18.62	18.61 18.61	18.57 18.67	18.80 18.80	0
	200 QAIVI	12	6	18.56	18.58	18.65	18.80	0
		12	13	18.62	18.54	18.52	18.80	0
		25	0	18.51	18.58	18.55	18.80	0

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				LTE E	Band 25			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequency (MHz)			1851.5	1882.5	1913.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Channel			26055	26365	26675	Tolerance (dBm)	
		1	0	18.51	18.52	18.64	18.80	0
		1	7	18.63	18.60	18.55	18.80	0
		1	14	18.52	18.51	18.50	18.80	0
	QPSK	8	0	18.62	18.52	18.58	18.80	0
		8	4	18.56	18.68	18.59	18.80	0
		8 15	7	18.66	18.59	18.52	18.80	0
			0	18.63	18.68	18.51	18.80	0
		<u>1</u> 1	7	18.59 18.64	18.51 18.63	18.53 18.65	18.80 18.80	0
		1	14	18.68	18.59	18.62	18.80	0
	16-QAM	8	0	18.57	18.56	18.56	18.80	0
	10-QAIVI	8	4	18.62	18.55	18.56	18.80	0
		8	7	18.49	18.56	18.60	18.80	0
		15	0	18.62	18.51	18.65	18.80	0
3		1	0	18.61	18.61	18.57	18.80	0
		1	7	18.68	18.53	18.63	18.80	0
		1	14	18.54	18.59	18.60	18.80	0
	64-QAM	8	0	18.58	18.59	18.68	18.80	0
		8	4	18.66	18.67	18.66	18.80	0
		8	7	18.59	18.63	18.60	18.80	0
		15	0	18.61	18.60	18.64	18.80	0
	256-QAM	1	0	18.54	18.62	18.61	18.80	0
		1	7	18.62	18.50	18.67	18.80	0
		1	14	18.55	18.67	18.60	18.80	0
		8	0	18.59	18.62	18.50	18.80	0
		8	4	18.54	18.62	18.61	18.80	0
		8	7	18.57	18.59	18.65	18.80	0
		15	0	18.56	18.59	18.52	18.80	0
	Frequenc	cy (MHz)		1850.7	1882.5	1914.3	Target Power + Max.	MPR Allowed per
	Cha	nnel		26047	26365	26683	Tolerance (dBm)	3GPP(dB)
		1	0	18.61	18.62	18.62	18.80	0
		1	2	18.55	18.50	18.61	18.80	0
	0001	1	5	18.62	18.56	18.66	18.80	0
	QPSK	3	0	18.62	18.64	18.68	18.80	0
		3	2	18.49	18.61	18.62	18.80	0
		3	3	18.65	18.55	18.61	18.80	0
		<u>6</u> 1	0	18.55 18.56	18.63 18.58	18.63 18.49	18.80 18.80	0
		1	2	18.64	18.67	18.68	18.80	0
		1	5	18.68	18.62	18.52	18.80	0
	16-QAM	3	0	18.62	18.49	18.64	18.80	0
		3	2	18.61	18.61	18.49	18.80	0
		3	3	18.55	18.50	18.64	18.80	0
 ,,		6	0	18.66	18.51	18.54	18.80	0
1.4		1	0	18.50	18.52	18.60	18.80	0
1		1	2	18.55	18.64	18.56	18.80	0
		1	5	18.66	18.57	18.62	18.80	0
	64-QAM	3	0	18.57	18.55	18.65	18.80	0
		3	2	18.58	18.54	18.61	18.80	0
		3	3	18.57	18.57	18.51	18.80	0
		6	0	18.57	18.68	18.66	18.80	0
		1	0	18.54	18.53	18.59	18.80	0
1		1	2	18.68	18.58	18.62	18.80	0
		1	5	18.53	18.51	18.67	18.80	0
	256-QAM	3	0	18.50	18.67	18.51	18.80	0
		3	2	18.67	18.67	18.61	18.80	0
		3	3	18.66	18.68	18.63	18.80	0
		6	0	18.65	18.68	18.50	18.80	0

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				LTE E	Band 26					
BW(Mhz)	Modulation RB Size RB Offset Conducted power (dBm)									
	Frequency (MHz)			821.5 831.5	841.5	Target Power + Max.	MPR Allowed per			
	Channel			26765	26865	26965	Tolerance (dBm)	3GPP(dB)		
		1	0	24.19	24.20	24.24	24.30	0		
		1 1	36 74	24.07	24.13 24.17	24.05	24.30 24.30	0		
	QPSK	36	0	24.06 23.11	23.09	24.16 23.03	23.30	0-1		
		36	18	23.00	23.01	23.17	23.30	0-1		
		36	37	23.09	23.18	23.05	23.30	0-1		
		75 1	0	23.12 23.18	23.11	23.00 23.08	23.30 23.30	0-1 0-1		
		1	36	23.10	23.18	23.16	23.30	0-1		
		1	74	23.04	23.06	23.09	23.30	0-1		
	16-QAM	36	0	22.11	22.14	22.04	22.30	0-2		
		36 36	18 37	22.05 22.19	22.06 22.02	22.02 22.09	22.30 22.30	0-2 0-2		
		75	0	22.19	22.02	22.09	22.30	0-2		
15		1	0	22.00	22.05	22.04	22.30	0-2		
		1	36	22.17	22.06	22.16	22.30	0-2		
		1	74	22.17	22.08	22.19	22.30	0-2		
	64-QAM	36 36	0 18	21.06 21.18	21.02 21.09	21.09 21.09	21.30 21.30	0-3 0-3		
		36	37	21.16	21.14	21.09	21.30	0-3		
		75	0	21.11	21.15	21.06	21.30	0-3		
		1	0	19.02	19.12	19.16	19.30	0-5		
	256-QAM	11	36	19.03	19.15	19.08	19.30	0-5		
		1	74 0	19.13	19.12	19.00	19.30	0-5		
		36 36	18	19.04 19.03	19.17 19.03	19.19 19.17	19.30 19.30	0-5 0-5		
		36	37	19.10	19.04	19.14	19.30	0-5		
		75	0	19.06	19.07	19.13	19.30	0-5		
	Frequenc	cy (MHz)		819	831.5	844	Target Power + Max.	MPR Allowed per		
	Char	nnel		26740	26865	26990	Tolerance (dBm)	3GPP(dB)		
		1	0	24.10	24.07	24.02	24.30	0		
		1	25	24.00	24.13	24.10	24.30	0		
	QPSK	1 25	49 0	24.14	23.98 23.13	24.06 23.00	24.30 23.30	0 0-1		
	Q OIX	25	12	23.11	23.12	23.06	23.30	0-1		
		25	25	23.18	23.11	23.16	23.30	0-1		
		50	0	23.18	23.17	23.07	23.30	0-1		
		1 1	0 25	23.17 23.08	23.08 23.10	23.05 23.02	23.30	0-1 0-1		
		1	49	23.08	23.10	23.02	23.30 23.30	0-1		
	16-QAM	25	0	22.05	22.05	22.17	22.30	0-2		
		25	12	22.06	22.10	22.07	22.30	0-2		
	[25	25	22.02	22.12	22.19	22.30	0-2		
10		50 1	0	22.16	22.00	22.18	22.30	0-2		
		1	25	22.16 22.03	22.11	22.09 22.13	22.30 22.30	0-2 0-2		
		1	49	22.19	22.14	22.08	22.30	0-2		
	64-QAM	25	0	21.04	21.07	21.07	21.30	0-3		
		25	12	21.08	21.18	21.11	21.30	0-3		
		25	25	21.19	21.00	21.13	21.30	0-3		
		50 1	0	21.09 19.05	21.09 19.02	21.10 19.18	21.30 19.30	0-3 0-5		
		1	25	19.10	19.17	19.03	19.30	0-5		
		1	49	19.00	19.09	19.14	19.30	0-5		
	256-QAM	25	0	19.15	19.15	19.05	19.30	0-5		
		25	12	19.08	19.13	19.00	19.30	0-5		
		25 50	25 0	19.18 19.05	19.13 19.14	19.14 19.06	19.30 19.30	0-5 0-5		
	ш	υU	U	19.00	19.14	19.00	18.30	U-5		

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				LTE E	Band 26						
BW(Mhz)	Modulation	dulation RB Size RB Offset Conducted power (dBm)									
	Frequency (MHz)			816.5 831.5	831.5	846.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)			
	Channel			26715	26865	27015					
		1	0	24.04	24.16	24.01	24.30	0			
		1 1	12 24	24.14 24.07	24.10 24.12	24.03 24.07	24.30 24.30	0			
	QPSK	12	0	23.19	23.19	23.05	23.30	0-1			
		12	6	23.10	23.00	23.03	23.30	0-1			
	[12	13	23.18	23.14	23.17	23.30	0-1			
		25 1	0	23.05 23.11	23.02	23.19 23.02	23.30 23.30	0-1 0-1			
		1	12	23.19	23.18	23.12	23.30	0-1			
		1	24	23.02	23.08	23.16	23.30	0-1			
	16-QAM	12	0	22.09	22.14	22.03	22.30	0-2			
		12	6	22.13	22.16	22.07	22.30	0-2			
		12 25	13 0	22.10 22.14	22.00 22.17	22.06 22.08	22.30 22.30	0-2 0-2			
5		1	0	22.13	22.03	22.08	22.30	0-2			
		1	12	22.14	22.05	22.07	22.30	0-2			
		1	24	22.16	22.10	22.03	22.30	0-2			
	64-QAM	12 12	6	21.18 21.01	21.08 21.00	21.19 21.14	21.30	0-3			
		12	13	21.18	21.00	21.14	21.30 21.30	0-3 0-3			
		25	0	21.16	21.03	21.09	21.30	0-3			
		1	0	19.07	19.10	19.10	19.30	0-5			
	256-QAM	1	12	19.00	19.17	19.07	19.30	0-5			
		1 10	24	19.13	19.17	19.14	19.30	0-5			
		12 12	0 6	19.01 19.12	19.03 19.00	19.00 19.03	19.30 19.30	0-5 0-5			
		12	13	19.01	19.08	19.15	19.30	0-5			
		25	0	19.15	19.06	19.11	19.30	0-5			
	Frequenc	cy (MHz)		815.5	831.5	847.5	Target Power + Max.	MPR Allowed per			
	Chai	nnel		26705	26865	27025	Tolerance (dBm)	3GPP(dB)			
		1	0	23.98	24.08	24.11	24.30	0			
		1	7	24.02	24.02	24.02	24.30	0			
	QPSK	<u>1</u> 8	14 0	24.03 23.05	24.02 23.12	24.14 23.16	24.30 23.30	0 0-1			
		8	4	23.01	23.01	23.15	23.30	0-1			
		8	7	23.08	23.10	23.04	23.30	0-1			
		15	0	23.15	23.09	23.11	23.30	0-1			
		1 1	7	23.19 23.14	23.16 23.16	23.16 23.07	23.30	0-1 0-1			
		1	14	23.14	23.16	23.07	23.30 23.30	0-1			
	16-QAM	8	0	22.03	22.06	22.02	22.30	0-2			
		8	4	22.10	22.07	22.05	22.30	0-2			
	[8	7	22.19	22.15	22.00	22.30	0-2			
3	 	15 1	0	22.14	22.18	22.07	22.30	0-2			
		1	7	22.16 22.17	22.05 22.14	22.02 22.18	22.30 22.30	0-2 0-2			
		1	14	22.12	22.18	22.10	22.30	0-2			
	64-QAM	8	0	21.11	21.07	21.19	21.30	0-3			
		8	4	21.18	21.00	21.05	21.30	0-3			
		8 15	7	21.00	21.17	21.19	21.30	0-3			
		15 1	0	21.04 19.17	21.00 19.13	21.11 19.19	21.30 19.30	0-3 0-5			
		1	7	19.17	19.02	19.17	19.30	0-5			
		1	14	19.14	19.15	19.09	19.30	0-5			
	256-QAM	8	0	19.02	19.12	19.09	19.30	0-5			
		8	4	19.14	19.13	19.03	19.30	0-5			
		8 15	7	19.04	19.07	19.02	19.30	0-5			
	ш	15	0	19.00	19.01	19.06	19.30	0-5			

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LTE Band 26										
BW(Mhz)	Modulation	RB Size	RB Offset	Condi	ucted power ((dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)		
	Frequenc	cy (MHz)		814.7	831.5	848.3				
	Cha	nnel		26697	26865	27033				
		1	0	24.12	24.08	24.10	24.30	0		
		1	2	24.06	24.03	24.04	24.30	0		
		1	5	24.16	24.11	24.09	24.30	0		
	QPSK	3	0	23.18	23.12	23.04	23.30	0-1		
		3	2	23.03	23.05	23.15	23.30	0-1		
		3	3	23.09	23.11	23.10	23.30	0-1		
		6	0	23.14	23.11	23.03	23.30	0-1		
	16-QAM	1	0	23.08	23.16	23.06	23.30	0-1		
		1	2	23.06	23.01	23.09	23.30	0-1		
		1	5	23.07	23.08	23.06	23.30	0-1		
		3	0	22.10	22.13	22.00	22.30	0-2		
		3	2	22.02	22.10	22.02	22.30	0-2		
		3	3	22.16	22.11	22.02	22.30	0-2		
		6	0	22.05	22.07	22.08	22.30	0-2		
1.4	64-QAM	1	0	22.02	22.03	22.03	22.30	0-2		
		1	2	22.11	22.13	22.16	22.30	0-2		
		1	5	22.08	22.14	22.19	22.30	0-2		
		3	0	21.05	21.01	21.11	21.30	0-3		
		3	2	21.12	21.11	21.09	21.30	0-3		
		3	3	21.02	21.10	21.12	21.30	0-3		
		6	0	21.14	21.01	21.07	21.30	0-3		
		1	0	19.19	19.13	19.18	19.30	0-5		
		1	2	19.05	19.13	19.16	19.30	0-5		
	256-QAM	1	5	19.01	19.16	19.14	19.30	0-5		
		3	0	19.00	19.09	19.18	19.30	0-5		
		3	2	19.09	19.08	19.02	19.30	0-5		
		3	3	19.19	19.01	19.03	19.30	0-5		
		6	0	19.01	19.19	19.09	19.30	0-5		

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				LTE B	Band 30			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		2310	2310	2310	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai	nnel		27710	27710	27710	Tolerance (dBm)	(, ,
		1	0		20.14		20.20	0
		1	25		19.90		20.20	0
	QPSK	1 25	49 0		19.92 19.89		20.20 20.20	0
	QF3N	25 25	12		19.09		20.20	0
		25	25		19.87		20.20	0
		50	0		19.88		20.20	0
		1	0		19.99		20.20	0
		1	25		20.02		20.20	0
	16-QAM	1 25	49 0		19.97 19.90		20.20 20.20	0
	10-QAW	25	12		19.98		20.20	0
		25	25		19.90		20.20	0
10		50	0		19.97		20.20	0
10		1	0		19.97		20.20	0
	[1	25		19.83		20.20	0
		1	49		19.95		20.20	0
	64-QAM	25	0		19.92		20.20	0
		25 25	12 25		20.00 19.87		20.20 20.20	0
		50	0		19.95		20.20	0
		1	0		19.87		20.20	0
		1	25		19.85		20.20	0
		1	49		19.86		20.20	0
	256-QAM	25	0		19.87		20.20	0
	[25	12		19.83		20.20	0
		25	25		19.95		20.20	0
		50	0		19.84		20.20	0
	Frequenc	cy (MHz)		2307.5	2310	2312.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char			27685	27710	27735	Tolerance (dBm)	` ′
		1	0	19.83	19.93	19.99		
							20.20	0
		1	12	19.85	19.90	19.92	20.20	0
	OPSK	1	24	19.85 20.02	19.90 19.83	19.98	20.20 20.20	0
	QPSK	1 12	24 0	19.85 20.02 19.90	19.90 19.83 19.99	19.98 19.89	20.20 20.20 20.20	0 0 0
	QPSK	1	24	19.85 20.02	19.90 19.83	19.98	20.20 20.20 20.20 20.20	0
	QPSK	1 12 12	24 0 6	19.85 20.02 19.90 19.83	19.90 19.83 19.99 20.02	19.98 19.89 20.02	20.20 20.20 20.20	0 0 0
	QPSK	1 12 12 12 12 25	24 0 6 13 0	19.85 20.02 19.90 19.83 19.91 19.85 19.90	19.90 19.83 19.99 20.02 19.88 20.00 20.01	19.98 19.89 20.02 19.84 20.02 19.83	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0
	QPSK	1 12 12 12 12 25 1	24 0 6 13 0 0	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94	19.98 19.89 20.02 19.84 20.02 19.83 19.86	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0
		1 12 12 12 12 25 1 1	24 0 6 13 0 0 12 24	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0 0
	QPSK	1 12 12 12 25 1 1 1 1	24 0 6 13 0 0 12 24	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0 0
		1 12 12 12 12 25 1 1 1 1 12	24 0 6 13 0 0 12 24 0 6	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0 0 0 0
		1 12 12 12 25 1 1 1 1 12 12	24 0 6 13 0 0 12 24 0 6	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88 19.84	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0 0 0 0
5		1 12 12 12 12 25 1 1 1 1 12	24 0 6 13 0 0 12 24 0 6	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0 0 0 0
5		1 12 12 12 25 1 1 1 1 12 12 12 12 25	24 0 6 13 0 0 12 24 0 6 13 0	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88 19.84 19.83	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.84	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0 0 0 0 0 0 0
5	16-QAM	1 12 12 12 25 1 1 1 1 12 12 12 12 12 11 11	24 0 6 13 0 0 12 24 0 6 13 0	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96 19.93	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88 19.84 19.83 19.94	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.84 19.93	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0 0 0 0 0 0 0
5		1 12 12 12 12 25 1 1 1 1 12 12 12 25 1 1 1 1	24 0 6 13 0 12 24 0 6 13 0 0 12 24 0	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96 19.93 20.01 19.88 19.93	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88 19.84 19.83 19.94 19.84 19.84 19.87	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.84 19.93 19.97 20.01	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5	16-QAM	1 12 12 12 25 1 1 1 12 12 12 12 25 1 1 1 1	24 0 6 6 13 0 0 12 24 0 6 13 0 0 12 24 0 6 13 0 0 6 6 13 0 0 6 6 6 6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96 19.93 20.01 19.88 19.93	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88 19.84 19.84 19.83 19.94 19.84 19.83	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.84 19.93 19.97 20.01	20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5	16-QAM	1 12 12 12 25 1 1 1 1 12 12 12 12 25 1 1 1 1	24 0 6 13 0 0 12 24 0 6 13 0 0 12 24 0 6 13 0 0 6 13 13 13 13 13 14 15 16 16 17 17 18 18 18 18 18 18 18 18 18 18	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96 19.93 20.01 19.88 19.93 19.93	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88 19.84 19.83 19.94 19.87 19.87 19.89 19.85 20.00	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.89 19.97 20.01 19.99	20.20 20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5	16-QAM	1 12 12 12 12 25 1 1 1 1 12 12 12 25 1 1 1 1	24 0 6 13 0 0 12 24 0 6 13 0 0 12 24 0 6 13 0 0	19.85 20.02 19.90 19.83 19.91 19.85 19.97 19.97 19.88 19.99 20.00 19.85 19.96 19.93 20.01 19.88 19.92 19.88 19.92	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88 19.84 19.83 19.94 19.87 19.89 19.89 19.89	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.84 19.93 19.97 20.01 19.99 19.99 19.95	20.20 20.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5	16-QAM	1 12 12 12 15 1 1 1 12 12 12 12 12 12 12 12 12 12 12	24 0 6 13 0 0 12 24 0 6 13 0 0 12 24 0 6 13 0 0	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96 19.93 20.01 19.88 19.92 19.88 19.92 19.88	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.84 19.83 19.84 19.84 19.87 19.87 19.89	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.84 19.93 19.97 20.01 19.99 19.97 20.01 19.98 19.98	20.20 20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5	16-QAM	1 12 12 12 15 1 1 1 12 12 12 12 12 12 12 12 12 12 12	24 0 6 13 0 0 12 24 0 6 13 0 0 12 24 0 6 13 0 0 0 12 24 0 0 0 0 0 0 0 0 0 0 0 0 0	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96 19.93 20.01 19.88 19.99 19.88 19.99 19.88	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.83 19.84 19.83 19.84 19.84 19.83 19.94 19.85 20.00 19.93 19.85 20.00	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.84 19.93 19.97 20.01 19.99 19.97 20.01 19.98 19.98 19.98	20.20 20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5	16-QAM	1 12 12 12 15 1 1 1 12 12 12 12 12 12 12 12 12 12 12	24 0 6 13 0 0 12 24 0 6 13 0 0 12 24 0 6 13 0 0	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96 19.93 20.01 19.88 19.92 19.88 19.92 19.88	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.84 19.83 19.84 19.84 19.87 19.87 19.89	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.93 19.89 19.97 20.01 19.99 19.85 19.98 19.98	20.20 20.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5	16-QAM 64-QAM	1 12 12 12 25 1 1 1 12 12 12 12 25 1 1 1 1	24 0 6 13 0 0 12 24 0 6 13 0 0 0 12 24 0 6 13 0 0 12 24 0 0 0 12 24 0 0 0 12 12 13 0 0 0 13 0 0 0 0 15 16 16 16 16 16 16 16 16 16 16	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96 19.93 20.01 19.88 19.99 19.88 19.99 19.88 19.99	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88 19.84 19.84 19.84 19.87 19.84 19.87 19.89 19.85 20.00 19.93 19.85 19.89	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.84 19.93 19.97 20.01 19.99 19.97 20.01 19.98 19.98 19.98	20.20 20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5	16-QAM 64-QAM	1 12 12 12 25 1 1 1 1 12 12 12 12 12 12 12 11 1 1 1	24 0 6 13 0 0 12 24 0 6 13 0 0 12 24 0 6 13 0 0 12 24 0 0 12 24 0 0 12 24 0 0 12 12 12 12 12 12 12 12 12 12	19.85 20.02 19.90 19.83 19.91 19.85 19.90 19.97 19.88 19.99 20.00 19.85 19.96 19.93 20.01 19.88 19.92 19.88 19.99 19.88 19.99 19.88	19.90 19.83 19.99 20.02 19.88 20.00 20.01 19.94 19.86 19.94 19.88 19.84 19.83 19.84 19.87 19.89 19.85 20.00 19.93 19.89 19.85	19.98 19.89 20.02 19.84 20.02 19.83 19.86 19.89 19.90 19.84 19.83 19.84 19.83 19.84 19.93 19.89 19.97 20.01 19.99 19.85 19.98 19.88 20.02 19.88 19.85	20.20 20.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
, ,	Frequenc	cy (MHz)		1720	1745	1770	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai	nnel		132072	132322	132572	Tolerance (dBm)	3GI I (db)
		1	0	19.21	19.19	19.27	19.40	0
		1 1	50 99	19.06 19.10	19.15 19.02	19.03 19.03	19.40 19.40	0
	QPSK	50	0	19.17	19.16	19.09	19.40	0
		50	25	19.16	19.14	19.13	19.40	0
		50 100	50 0	19.13 19.06	19.12 19.01	19.19 19.11	19.40 19.40	0
		1	0	19.06	19.01	19.11	19.40	0
		1	50	19.07	19.15	19.20	19.40	0
		1	99	19.09	19.05	19.15	19.40	0
	16-QAM	50	0	19.09	19.17	19.02	19.40	0
		50 50	25 50	19.08 19.10	19.05 19.09	19.19 19.15	19.40 19.40	0
		100	0	19.10	19.19	19.13	19.40	0
20		1	0	19.02	19.06	19.07	19.40	0
		1	50	19.12	19.02	19.06	19.40	0
	64-QAM	1 50	99	19.15 19.12	19.06 19.10	19.15 19.10	19.40 19.40	0
	04-QAIVI	50	25	19.12	19.16	19.10	19.40	0
		50	50	19.18	19.05	19.13	19.40	0
		100	0	19.18	19.01	19.14	19.40	0
		11	0	19.06	19.12	19.20	19.40	0
		1	50	19.06	19.18	19.17 19.18	19.40	0
	256-QAM	1 50	99	19.06 19.19	19.15 19.06	19.18	19.40 19.40	0
	200 00 1111	50	25	19.13	19.11	19.19	19.40	0
		50	50	19.04	19.05	19.15	19.40	0
		100	0	19.08	19.15	19.06	19.40	0
	Frequenc	cy (MHz)		1717.5	1745	1772.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		132047	132322	132597	Tolerance (dBm)	3GPP(dB)
		11	0	19.09	19.11	19.10	19.40	0
		<u>1</u>	36 74	19.18	19.04	19.14	19.40	0
	QPSK	36	0	19.10 19.12	19.13 19.07	19.15 19.18	19.40 19.40	0
		36	18	19.09	19.17	19.17	19.40	0
		36	37	19.05	19.14	19.10	19.40	0
		75	0	19.17	19.18	19.10	19.40	0
		1 1	0 36	19.19 19.14	19.17 19.17	19.05 19.08	19.40 19.40	0
		1	74	19.04	19.17	19.04	19.40	0
	16-QAM	36	0	19.05	19.17	19.13	19.40	0
	[36	18	19.11	19.12	19.17	19.40	0
		36	37	19.09	19.09	19.01	19.40	0
15		75 1	0	19.20 19.11	19.01 19.07	19.03 19.19	19.40 19.40	0
		1	36	19.11	19.07	19.19	19.40	0
		1	74	19.05	19.05	19.15	19.40	0
	64-QAM	36	0	19.01	19.09	19.14	19.40	0
		36	18	19.13	19.06	19.03	19.40	0
I		36 75	37 0	19.15 19.04	19.06 19.19	19.18 19.07	19.40 19.40	0
l				10.07			19.40	0
	\vdash	1	0	19.02	19.19	19.11	13.40	0
			0 36	19.02 19.02	19.16	19.11	19.40	0
		1 1 1	36 74	19.02 19.02	19.16 19.20	19.19 19.10	19.40 19.40	0
	256-QAM	1 1 1 36	36 74 0	19.02 19.02 19.10	19.16 19.20 19.18	19.19 19.10 19.03	19.40 19.40 19.40	0 0 0
	256-QAM	1 1 1	36 74	19.02 19.02	19.16 19.20	19.19 19.10	19.40 19.40	0

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

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				I TE E	Band 66			
						(ID.)		
BW(Mhz)	Modulation	RB Size	RB Offset	Condi	ucted power	(dBm)	Target	MDD Allowed nor
	Frequenc	cy (MHz)		1715	1745	1775	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Chai	nnel		132022	132322	132622	, ,	
		1	0	19.14	19.08	19.08	19.40	0
		<u>1</u>	25 49	19.05 19.11	19.16 19.18	19.11 19.12	19.40 19.40	0
	QPSK	25	0	19.18	19.11	19.11	19.40	0
		25	12	19.06	19.11	19.17	19.40	0
		25	25	19.12	19.19	19.14	19.40	0
		50	0	19.11	19.08	19.07	19.40	0
		<u>1</u> 1	0 25	19.13 19.07	19.03 19.02	19.15 19.01	19.40 19.40	0
		1	49	19.19	19.02	19.18	19.40	0
	16-QAM	25	0	19.15	19.01	19.06	19.40	0
	[25	12	19.18	19.08	19.18	19.40	0
		25	25	19.14	19.03	19.03	19.40	0
10	-	50 1	0	19.04 19.02	19.14 19.01	19.19 19.08	19.40 19.40	0
		1	25	19.02	19.01	19.00	19.40	0
		1	49	19.10	19.09	19.19	19.40	0
	64-QAM	25	0	19.16	19.09	19.13	19.40	0
		25	12	19.14	19.16	19.12	19.40	0
		25	25	19.07	19.19	19.18	19.40	0
		50	0	19.19	19.15	19.06 19.16	19.40	0
		<u>1</u> 1	0 25	19.19 19.01	19.11 19.05	19.10	19.40 19.40	0
	256-QAM	1	49	19.20	19.01	19.09	19.40	0
		25	0	19.10	19.06	19.16	19.40	0
		25	12	19.05	19.15	19.02	19.40	0
		25	25	19.13	19.20	19.12	19.40	0
	Frequenc	50	0	19.17 1712.5	19.12 1745	19.14 1777.5	19.40	0
	Char	• • •		131997	132322	132647	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cilai						, ,	-
		<u>1</u> 1	0 12	19.01 19.04	19.17 19.10	19.14 19.18	19.40 19.40	0
		1	24	19.04	18.99	19.18	19.40	0
	QPSK	12	0	19.15	19.19	19.13	19.40	0
		12	6	19.15	19.08	19.06	19.40	0
	[12	13	19.07	19.02	19.11	19.40	0
		25	0	19.14	19.16	19.01	19.40	0
		<u>1</u>	0 12	19.20 19.14	19.14 19.18	19.05 19.19	19.40 19.40	0
		1	24	19.14	19.18	19.19	19.40	0
	16-QAM	12	0	19.11	19.07	19.11	19.40	0
		12	6	19.20	19.17	19.13	19.40	0
		12	13	19.15	19.11	19.14	19.40	0
5		25	0	19.19	19.04 19.03	19.01 19.12	19.40	0
		<u>1</u> 1	0 12	19.07 19.13	40.00	19.12	19.40 19.40	0
		1	24	19.13	19.06	19.19	19.40	0
	64-QAM	12	0	19.20	19.06	19.12	19.40	0
		12	6	19.07	19.08	19.05	19.40	0
	[12	13	19.09	19.12	19.13	19.40	0
		25	0	19.20	19.05	19.18	19.40	0
		<u>1</u> 1	0 12	19.07 19.14	19.17 19.08	19.07 19.10	19.40 19.40	0
		1	24	19.07	19.20	19.18	19.40	0
	256-QAM	12	0	19.17	19.04	19.15	19.40	0
		12	6	19.20	19.15	19.13	19.40	0
		12	13	19.06	19.10	19.11	19.40	0
		25	0	19.12	19.11	19.01	19.40	0

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target	
	Frequenc	cy (MHz)		1711.5	1745	1778.5	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		131987	132322	132657	Toloranco (abin)	
		1	0	19.16	19.17	19.15	19.40	0
		11	7	19.18	19.07	19.00	19.40	0
	QPSK	<u>1</u> 8	14 0	19.05 19.18	19.17 19.07	19.15 19.07	19.40 19.40	0
	Qi Sit	8	4	19.10	19.02	19.07	19.40	0
		8	7	19.11	19.01	19.16	19.40	0
		15	0	19.19	19.04	19.08	19.40	0
		1	0	19.19	19.15	19.20	19.40	0
		11	7	19.12	19.07	19.06	19.40	0
	40.044	1	14	19.12	19.07	19.09	19.40	0
	16-QAM	<u>8</u> 8	0 4	19.06 19.14	19.06 19.12	19.19 19.09	19.40 19.40	0
		<u> </u>	7	19.14	19.12	19.09	19.40	0
1 _		15	0	19.17	19.11	19.08	19.40	0
3		1	0	19.10	19.09	19.19	19.40	0
		1	7	19.11	19.03	19.01	19.40	0
		1	14	19.14	19.19	19.04	19.40	0
	64-QAM	8	0	19.17	19.12	19.10	19.40	0
		8	4	19.03	19.01	19.09	19.40	0
	-	8 15	7	19.18 19.13	19.18 19.07	19.15 19.09	19.40 19.40	0
		1	0	19.13	19.07	19.09	19.40	0
		1	7	19.02	19.16	19.11	19.40	0
		1	14	19.13	19.08	19.07	19.40	0
	256-QAM	8	0	19.10	19.16	19.02	19.40	0
		8	4	19.13	19.01	19.01	19.40	0
		8	7	19.08	19.19	19.13	19.40	0
		15	0	19.13	19.15	19.19	19.40	0
	Frequenc	cy (MHz)		1710.7	1745	1779.3	Target Power + Max.	MPR Allowed per
	Char			131979	132322	132665	Tolerance (dBm)	3GPP(dB)
		1	0	19.01	19.10	19.12	19.40	0
	l -	11	2	19.08	19.17	19.18	19.40	0
	QPSK	<u>1</u> 3	5 0	19.00 19.08	19.06 19.15	19.15 19.06	19.40 19.40	0
	QI OIL	3	2	19.00	19.17	19.00	19.40	0
		3	3	19.09	19.02	19.16	19.40	0
		6	0	19.20	19.10	19.04	19.40	0
		1	0	19.11	19.20	19.17	19.40	0
		1	2	19.02	19.03	19.16	19.40	0
	16-QAM	3	5 0	19.07	19.19	19.07	19.40 19.40	0
	10-QAIVI	3	2	19.10 19.08	19.15 19.03	19.16 19.20	19.40	0
		3	3	19.14	19.09	19.20	19.40	0
1.4		6	0	19.18	19.17	19.19	19.40	0
1.4		1	0	19.04	19.17	19.01	19.40	0
	[1	2	19.09	19.13	19.09	19.40	0
	04.044	1	5	19.19	19.08	19.12	19.40	0
	64-QAM	3	0	19.04	19.09	19.06	19.40	0
		3	3	19.20 19.12	19.16 19.06	19.03 19.10	19.40 19.40	0
		6	0	19.12	19.00	19.10	19.40	0
		1	0	19.17	19.14	19.15	19.40	0
		1	2	19.08	19.03	19.01	19.40	0
		1	5	19.09	19.14	19.08	19.40	0
	256-QAM	3	0	19.09	19.16	19.15	19.40	0
		3	2	19.20	19.20	19.13	19.40	0
		3	3	19.05	19.09	19.18	19.40	0
<u> </u>		6	0	19.07	19.14	19.06	19.40	0

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Notebook mode

Tx5-LTE TDD Band 38 / Band 41 power table:

IX5-LIE IDD Band 38 / Band 41 power table: LTE Band 38												
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)						
	Frequen	cy (MHz)		2580	2595	2610	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)				
	Cha	nnel		37850	38000	38150	Tolerance (dbm)					
		1	0	22.14	22.10	22.09	22.20	0				
		1	50	22.03	21.90	21.93	22.20	0				
		1	99	22.05	22.05	22.05	22.20	0				
	QPSK	50	0	20.95	20.97	20.98	21.20	0-1				
		50	25	21.00	20.92	20.96	21.20	0-1				
		50 100	50 0	20.90	21.03 20.95	20.91 20.90	21.20 21.20	0-1 0-1				
		1	0	20.99	20.95	21.01	21.20	0-1				
		1	50	20.91	21.01	21.05	21.20	0-1				
		1	99	21.00	21.07	20.89	21.20	0-1				
	16-QAM	50	0	20.03	19.89	19.90	20.20	0-2				
		50	25	20.01	20.07	19.98	20.20	0-2				
		50	50	19.90	19.89	19.90	20.20	0-2				
20		100	0	20.05	19.95	19.97	20.20	0-2				
20		1	0	19.91	20.07	19.95	20.20	0-2				
		1	50	19.88	20.00	19.99	20.20	0-2				
		1	99	20.06	19.95	20.03	20.20	0-2				
	64-QAM	50	0	19.04	18.91	19.05	19.20	0-3				
		50	25	18.92	19.02	18.98	19.20	0-3				
	-	50	50	19.01	18.90	19.06	19.20	0-3				
		100	0	18.91	18.94	18.91	19.20	0-3				
	-	1	50	16.91 16.94	17.01 16.93	16.96 17.07	17.20 17.20	0-5 0-5				
		1	99	16.94	16.96	17.07	17.20	0-5				
	256-QAM	50	0	17.01	16.94	17.03	17.20	0-5				
	200 07 1111	50	25	17.06	16.88	17.00	17.20	0-5				
		50	50	16.95	17.07	16.97	17.20	0-5				
		100	0	17.05	17.03	16.93	17.20	0-5				
	Frequen	cy (MHz)		2577.5	2595	2612.5	Target	MPR Allowed per				
	Cha	nnel		37825	38000	38175	Power + Max. Tolerance (dBm)	3GPP(dB)				
		1	0	22.06	21.90	22.02	22.20	0				
		1	36	22.05	21.90	21.99	22.20	0				
		1	74	21.90	21.90	22.05	22.20	0				
	QPSK	36	0	20.99	21.03	20.98	21.20	0-1				
		36	18	21.04	21.06	20.94	21.20	0-1				
		36	37	20.92	20.90	21.03	21.20	0-1				
		75	0	21.04	20.98	21.06	21.20	0-1				
		1	0	21.04	21.03	21.02	21.20	0-1				
		1	36	20.88	20.95	21.03	21.20	0-1				
	16-QAM	1 36	74 0	21.07 19.91	21.06 20.01	20.94 20.07	21.20 20.20	0-1 0-2				
	10-QAW	36	18	19.91	20.01	20.07	20.20	0-2				
		36	37	19.90	19.89	20.02	20.20	0-2				
4.5		75	0	19.91	20.05	19.98	20.20	0-2				
15		1	0	19.89	20.02	19.95	20.20	0-2				
		1	36	19.91	19.93	19.89	20.20	0-2				
		1	74	19.89	19.98	20.03	20.20	0-2				
	64-QAM	36	0	18.96	18.95	18.90	19.20	0-3				
		36	18	19.07	18.88	18.97	19.20	0-3				
		36	37	18.98	18.91	18.97	19.20	0-3				
		75	0	18.94	18.92	19.00	19.20	0-3				
		1	0	17.03	16.97	16.89	17.20	0-5				
		1	36	16.89	16.92	16.90	17.20	0-5				
		1	74	17.05	16.96	17.05	17.20	0-5				
	256-QAM	36	0	16.90	17.04	16.93	17.20	0-5				
		36	18	16.91	17.06	16.99	17.20	0-5				
		36	37	16.92	17.01	16.93	17.20	0-5				
		75	0	17.03	16.96	16.95	17.20	0-5				

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				I TE E	Band 38			
BW(Mhz)	Modulation	RB Size	RB Offset		ucted power	(dRm)		
DVV(IVITIZ)			RB Ollset	Condo		<u> </u>	Target	MPR Allowed per
	Frequenc	cy (MHz)		2575	2595	2615	Power + Max. Tolerance (dBm)	3GPP(dB)
	Char	nnel		37800	38000	38200	, ,	
		1	0 25	22.05 21.95	21.94 22.03	21.95 22.00	22.20 22.20	0
		1	49	21.93	21.98	21.99	22.20	0
	QPSK	25	0	21.03	20.95	20.99	21.20	0-1
		25 25	12 25	20.92	20.97	20.95 20.91	21.20 21.20	0-1 0-1
		50	0	20.95	20.95	21.01	21.20	0-1
		1	0	21.02	20.92	20.90	21.20	0-1
		<u>1</u>	25 49	20.88	20.89 21.04	20.99 21.00	21.20 21.20	0-1 0-1
	16-QAM	25	0	20.97	19.88	19.89	20.20	0-1
		25	12	20.07	20.05	19.94	20.20	0-2
		25	25	20.05	20.04	19.96	20.20	0-2
10		50 1	0	19.90 20.02	20.00 19.89	19.97 20.00	20.20 20.20	0-2 0-2
		1	25	20.05	20.02	20.05	20.20	0-2
		1	49	19.99	19.89	19.95	20.20	0-2
	64-QAM	25	0	19.00	19.03 18.90	18.97	19.20	0-3
		25 25	12 25	19.06 18.88	19.05	18.95 18.93	19.20 19.20	0-3 0-3
		50	0	19.07	19.03	18.92	19.20	0-3
	256-QAM	1	0	17.06	16.94	17.01	17.20	0-5
		11	25	16.93	17.00	16.92	17.20	0-5
		1 25	49 0	17.06 17.02	16.90 16.90	16.91 16.91	17.20 17.20	0-5 0-5
		25	12	16.92	17.02	16.96	17.20	0-5
		25	25	16.97	16.90	16.99	17.20	0-5
		50	0	16.95	16.99	16.97	17.20	0-5
	Frequenc			2572.5	2595	2617.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai			37775	38000	38225	Tolerance (dBm)	, ,
		1 1	0 12	21.96 21.98	21.92 21.96	21.97 22.05	22.20 22.20	0
		1	24	22.07	22.03	22.03	22.20	0
	QPSK	12	0	20.93	20.90	21.06	21.20	0-1
		12	6	20.96	21.04	20.92	21.20	0-1
		12 25	13	20.88	20.98	20.94 21.05	21.20 21.20	0-1 0-1
		1	0	21.07	20.88	21.02	21.20	0-1
	[1	12	20.94	20.96	20.96	21.20	0-1
	16-QAM	1 12	24 0	20.98	20.98 19.93	20.99	21.20 20.20	0-1 0-2
	10-QAIVI	12	6	19.90	20.05	20.00	20.20	0-2
		12	13	19.94	20.00	19.99	20.20	0-2
5		25	0	19.97	20.02	19.88	20.20	0-2
		1	12	20.07	19.89 20.00	20.07 20.01	20.20 20.20	0-2 0-2
		1	24	20.06	20.00	19.92	20.20	0-2
	64-QAM	12	0	19.04	19.02	18.94	19.20	0-3
	[12	6	19.05	19.05	18.90	19.20	0-3
		12 25	13 0	18.89 19.04	18.94 19.07	19.03 18.96	19.20 19.20	0-3 0-3
		1	0	17.04	16.90	17.05	17.20	0-5
		1	12	16.90	16.90	17.04	17.20	0-5
	256 0 4 14	1	24	16.90	17.02	17.07	17.20	0-5
	256-QAM	12 12	6	16.93 17.02	17.05 16.99	17.00 16.90	17.20 17.20	0-5 0-5
		12	13	16.95	17.05	16.95	17.20	0-5
		25	0	17.00	17.01	17.03	17.20	0-5

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						LTE Band	41			
BW(Mhz)	Modulation	RB Size	RB Offset			Conducted	power (dBm)			
	Frequen	cy (MHz)		2506	2549.5	2593	2636.5	2680	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		39750	40185	40620	41055	41490	Tolerance (dbin)	
		1	0	22.21	22.16	22.18	22.23	22.14	22.30	0
		1	50	21.98	22.07	22.10	21.97	22.07	22.30	0
	QPSK	1 50	99	21.99 21.05	22.05	21.94 21.04	22.10	22.10	22.30 21.30	0 0-1
	QPSK	50	25	21.05	21.06 21.03	20.94	21.07 21.10	21.12 21.08	21.30	0-1
		50	50	20.96	20.95	21.01	21.02	21.09	21.30	0-1
		100	0	21.04	21.07	21.08	21.02	21.04	21.30	0-1
		1	0	20.95	21.02	21.11	21.06	20.94	21.30	0-1
		1	50	21.12	21.04	20.96	20.95	21.11	21.30	0-1
		1	99	21.06	21.08	21.00	21.00	21.01	21.30	0-1
	16-QAM	50	0	20.05	19.95	20.04	20.05	20.07	20.30	0-2
		50	25	20.12	20.13	20.00	20.00	20.00	20.30	0-2
		50 100	50 0	19.99 19.95	20.03	19.99 20.06	20.02	20.04	20.30	0-2 0-2
20		100	0	20.04	20.10	20.06	20.05	20.11 19.97	20.30	0-2 0-2
		1	50	20.04	19.94	20.08	20.04	19.99	20.30	0-2
		1	99	20.09	20.02	20.11	19.95	20.05	20.30	0-2
	64-QAM	50	0	19.13	19.04	18.94	18.99	18.94	19.30	0-3
		50	25	18.97	19.07	19.07	19.05	19.02	19.30	0-3
		50	50	19.10	19.13	18.94	18.95	19.10	19.30	0-3
		100	0	19.09	19.01	18.99	19.08	19.03	19.30	0-3
		1	0	16.97	16.98	17.10	17.03	17.01	17.30	0-5
		1	50	17.04	17.08	17.07	16.99	17.05	17.30	0-5
	256-QAM	1 50	99	17.11 17.08	17.11 17.12	17.07 17.02	16.95 17.08	16.98 16.95	17.30	0-5 0-5
	256-QAIVI	50	25	17.08	17.12	16.95	16.96	17.05	17.30 17.30	0-5
		50	50	17.02	16.94	16.96	17.11	17.13	17.30	0-5
		100	0	17.08	16.97	17.05	16.98	16.94	17.30	0-5
	Frequen	cy (MHz)		2503.5	2548.3	2593	2637.8	2682.5	Target	MPR Allowed per
	Cha	nnel		39725	40173	40620	41068	41515	Power + Max. Tolerance (dBm)	3GPP(dB)
		1	0	22.12	22.09	22.00	22.12	22.02	22.30	0
		1	36	22.00	21.98	22.11	22.07	22.01	22.30	0
		1	74	22.02	21.98	22.11	22.07	22.11	22.30	0
	QPSK	36 36	0 18	21.01	21.00 20.94	21.07 21.12	20.94 20.95	20.98 21.00	21.30 21.30	0-1 0-1
		36	37	21.10	21.01	20.97	21.11	21.00	21.30	0-1
		75	0	21.00	21.06	21.03	21.04	21.04	21.30	0-1
		1	0	21.02	20.94	21.06	21.02	21.13	21.30	0-1
		1	36	21.01	21.03	21.02	20.95	20.94	21.30	0-1
		1	74	21.11	20.94	20.95	21.00	21.11	21.30	0-1
	16-QAM	36	0	19.98	19.95	20.11	19.99	19.95	20.30	0-2
		36	18	19.97	19.99	20.01	20.02	19.96	20.30	0-2
		36 75	37 0	20.02	19.98 19.94	20.00 19.98	19.96 19.94	20.13	20.30	0-2 0-2
15		1	0	20.01	20.13	20.07	19.94	20.03	20.30	0-2
		1	36	20.12	20.13	20.08	20.13	20.13	20.30	0-2
		1	74	20.12	20.11	19.99	20.05	19.98	20.30	0-2
	64-QAM	36	0	19.13	19.10	19.13	19.02	19.11	19.30	0-3
		36	18	19.08	19.07	18.96	18.98	18.95	19.30	0-3
		36	37	18.94	18.94	19.01	19.03	18.96	19.30	0-3
		75	0	19.02	19.09	19.12	18.98	18.96	19.30	0-3
		1	0	17.06	17.12	17.05	16.98	16.94	17.30	0-5
		1	36	17.13	16.96	17.13	16.95	17.12	17.30	0-5
	256-QAM	1 36	74 0	17.13 17.06	16.97 17.02	17.12 17.03	17.09	17.11 17.00	17.30 17.30	0-5 0-5
	200-Q/101					17.03	17.11 17.10	17.12	17.30	0-5
		36	18 1							
		36 36	18 37	16.97 17.02	17.02 17.04	17.12	17.10	17.03	17.30	0-5

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						LTE Band	41			
BW(Mhz)	Modulation	RB Size	RB Offset			Conducted	power (dBm)		T1	
	Frequen	cy (MHz)		2501	2547	2593	2639	2685	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha			39700	40160	40620	41080	41540	,	
		1	0	22.13	21.95	22.09	21.95	22.00	22.30	0
		1	25 49	22.07	21.99	22.11	22.13	21.95	22.30	0
	QPSK	1 25	49 0	22.10 21.06	22.12 20.95	22.01 20.94	21.94 20.99	22.13 21.03	22.30 21.30	0 0-1
	UPSK	25	12	21.06	21.08	21.04	20.99	21.08	21.30	0-1
		25	25	21.12	21.03	21.00	20.94	20.98	21.30	0-1
		50	0	21.00	21.05	21.00	20.97	20.98	21.30	0-1
		1	0	21.00	21.08	20.95	20.99	21.10	21.30	0-1
		1	25	21.05	21.06	21.05	21.12	20.97	21.30	0-1
		1	49	20.99	21.00	21.06	20.99	21.06	21.30	0-1
	16-QAM	25	0	19.95	20.09	20.08	19.98	20.04	20.30	0-2
		25	12	19.96	20.08	19.98	20.12	20.01	20.30	0-2
		25 50	25 0	20.05 19.95	20.00 19.97	20.03	20.01	19.98 20.08	20.30	0-2 0-2
10		1	0	20.01	19.97	20.03	20.05 19.94	20.08	20.30	0-2 0-2
		1	25	19.95	19.97	19.98	19.94	19.96	20.30	0-2
		1	49	20.04	20.12	19.97	20.09	20.08	20.30	0-2
	64-QAM	25	0	18.95	19.03	19.00	18.99	19.10	19.30	0-3
		25	12	19.03	19.06	18.97	19.06	19.01	19.30	0-3
		25	25	19.00	19.13	19.09	19.00	19.05	19.30	0-3
		50	0	19.08	18.96	19.02	18.97	19.05	19.30	0-3
		1	0	17.13	16.99	17.10	17.12	17.06	17.30	0-5
		1	25	16.96	17.01	17.13	16.96	16.98	17.30	0-5
		1	49	17.06	16.98	17.07	17.10	16.99	17.30	0-5
	256-QAM	25 25	0 12	17.03 17.02	17.04 17.05	17.01 16.96	17.05 17.03	17.06 17.13	17.30 17.30	0-5
		25	25	17.02	17.05	17.01	17.03	16.96	17.30	0-5 0-5
		50	0	17.13	17.03	16.95	17.05	17.10	17.30	0-5
	Frequen			2498.5	2547.8	2593	2640.3	2687.5	Target	MPR Allowed per
	Cha	nnel		39675	40148	40620	41093	41565	Power + Max. Tolerance (dBm)	3GPP(dB)
		1	0	22.03	22.11	21.96	21.98	22.10	22.30	0
		1	12	22.11	22.03	22.09	22.06	21.98	22.30	0
		1	24	22.01	21.96	21.97	21.99	22.02	22.30	0
	QPSK	12	0	21.08	21.13	21.11	21.11	21.09	21.30	0-1
		12	6	21.06	21.12	20.95	21.01	20.95	21.30	0-1
		12 25	13 0	21.10	21.01	21.07	20.98	21.01	21.30 21.30	0-1 0-1
	-	1	0	20.94	21.13 21.06	21.13 21.01	21.08 21.03	21.01 21.13	21.30	0-1
		1	12	21.12	21.06	21.07	20.96	21.13	21.30	0-1
		1	24	21.12	20.96	20.96	21.00	21.03	21.30	0-1
	16-QAM	12	0	19.97	19.98	20.00	20.08	20.12	20.30	0-2
		12	6	20.01	20.12	19.98	20.01	20.09	20.30	0-2
		12	13	20.12	19.97	19.99	19.97	20.06	20.30	0-2
5		25	0	20.06	19.96	20.05	20.00	20.07	20.30	0-2
		1	0	19.98	20.04	19.95	19.99	19.99	20.30	0-2
		1	12	20.10	19.98	20.06	19.98	20.08	20.30	0-2
	64-QAM	12	24 0	20.10	20.00 18.94	20.05 19.04	19.94	20.09 18.94	20.30	0-2 0-3
	04-QAM	12	6	18.98 18.94	18.94	19.04	18.95 19.13	18.94 19.13	19.30 19.30	0-3
		12	13	18.95	18.99	18.94	19.13	19.13	19.30	0-3
		25	0	19.11	18.98	19.05	19.12	19.13	19.30	0-3
		1	0	17.08	16.97	17.00	17.11	17.13	17.30	0-5
					17.01	17.00	16.96	17.09	17.30	0-5
		1	12	16.99						
		1	12 24	17.00	16.98	17.05	17.03	16.96	17.30	0-5
	256-QAM				16.98 17.04	17.05 16.96	17.03 17.04	16.96 16.96	17.30 17.30	0-5 0-5
	256-QAM	1 12 12	24 0 6	17.00 17.07 17.03	16.98 17.04 17.09	16.96 17.08	17.04 16.95	16.96 16.94	17.30 17.30	0-5 0-5
	256-QAM	1 12	24 0	17.00 17.07	16.98 17.04	16.96	17.04	16.96	17.30	0-5

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					LTI	E Band 41 (H	HPUE)			
BW(Mhz)	Modulation	RB Size	RB Offset			Conducted	power (dBm)			
	Frequen	cy (MHz)		2506	2549.5	2593	2636.5	2680	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		39750	40185	40620	41055	41490	Tolerance (dbiri)	
		1	0	23.76	23.65	23.80	23.58	23.68	23.90	0
		1	50	23.48	23.57	23.56	23.45	23.39	23.90	0
	QPSK	1 50	99	23.49	23.40 22.53	23.43	23.45 22.55	23.55	23.90 22.90	0 0-1
	QFSK	50	25	22.52	22.50	22.53	22.50	22.56	22.90	0-1
		50	50	22.54	22.50	22.46	22.57	22.47	22.90	0-1
		100	0	22.56	22.49	22.43	22.53	22.50	22.90	0-1
		1	0	22.57	22.53	22.52	22.46	22.43	22.90	0-1
		1	50	22.54	22.46	22.42	22.47	22.49	22.90	0-1
		1	99	22.50	22.54	22.54	22.38	22.38	22.90	0-1
	16-QAM	50	0	21.55	21.50	21.51	21.40	21.57	21.90	0-2
		50 50	25 50	21.54 21.57	21.56 21.40	21.48 21.41	21.41 21.57	21.43 21.46	21.90 21.90	0-2 0-2
		100	0	21.50	21.44	21.41	21.42	21.43	21.90	0-2
20		1	0	21.48	21.39	21.45	21.57	21.57	21.90	0-2
		1	50	21.47	21.50	21.56	21.45	21.57	21.90	0-2
	64 004	1	99	21.40	21.42	21.57	21.45	21.57	21.90	0-2
	64-QAM	50	0	20.38	20.54	20.50	20.53	20.52	20.90	0-3
		50	25	20.48	20.47	20.40	20.47	20.43	20.90	0-3
		50	50	20.56	20.57	20.55	20.56	20.57	20.90	0-3
		100	0	20.48	20.55	20.41	20.38	20.53	20.90	0-3
		1	0	18.42	18.57	18.47	18.43	18.54	18.90	0-5
		1	50 99	18.45	18.48	18.48	18.47	18.57	18.90	0-5
	256-QAM	50	0	18.38 18.57	18.53 18.55	18.40 18.55	18.52 18.56	18.50 18.50	18.90 18.90	0-5 0-5
	250 Q/IIVI	50	25	18.50	18.43	18.48	18.40	18.48	18.90	0-5
		50	50	18.57	18.52	18.55	18.47	18.47	18.90	0-5
		100	0	18.49	18.45	18.55	18.38	18.52	18.90	0-5
	Frequen	cy (MHz)		2503.5	2548.3	2593	2637.8	2682.5	Target Power + Max.	MPR Allowed per
	Cha	nnel		39725	40173	40620	41068	41515	Tolerance (dBm)	3GPP(dB)
		1	0	23.49	23.38	23.50	23.57	23.53	23.90	0
		1	36	23.48	23.42	23.52	23.56	23.52	23.90	0
	QPSK	1	74	23.43	23.44	23.49	23.53	23.49	23.90	0
	QPSK	36 36	0 18	22.52 22.47	22.45 22.38	22.48 22.52	22.44 22.44	22.48 22.52	22.90 22.90	0-1 0-1
		36	37	22.51	22.41	22.39	22.53	22.41	22.90	0-1
		75	0	22.54	22.41					
						22.57	22.53	22.43	22.90	0-1
		1	0	22.43	22.46	22.57	22.53 22.38	22.43 22.41	22.90 22.90	0-1 0-1
l		1	0 36	22.43 22.39	22.46 22.56	22.43 22.54		22.41 22.57	22.90 22.90	
		1	0 36 74	22.43 22.39 22.40	22.46 22.56 22.39	22.43 22.54 22.51	22.38 22.55 22.46	22.41 22.57 22.48	22.90 22.90 22.90	0-1 0-1 0-1
	16-QAM	1 1 36	0 36 74 0	22.43 22.39 22.40 21.39	22.46 22.56 22.39 21.47	22.43 22.54 22.51 21.48	22.38 22.55 22.46 21.44	22.41 22.57 22.48 21.52	22.90 22.90 22.90 21.90	0-1 0-1 0-1 0-1 0-2
	16-QAM	1 1 36 36	0 36 74 0 18	22.43 22.39 22.40 21.39 21.51	22.46 22.56 22.39 21.47 21.41	22.43 22.54 22.51 21.48 21.55	22.38 22.55 22.46 21.44 21.52	22.41 22.57 22.48 21.52 21.46	22.90 22.90 22.90 21.90 21.90	0-1 0-1 0-1 0-1 0-2 0-2
	16-QAM	1 1 36 36 36	0 36 74 0 18 37	22.43 22.39 22.40 21.39 21.51 21.54	22.46 22.56 22.39 21.47 21.41 21.42	22.43 22.54 22.51 21.48 21.55 21.54	22.38 22.55 22.46 21.44 21.52 21.47	22.41 22.57 22.48 21.52 21.46 21.39	22.90 22.90 22.90 21.90 21.90 21.90	0-1 0-1 0-1 0-1 0-2 0-2 0-2
15	16-QAM	1 1 36 36 36 36 75	0 36 74 0 18 37	22.43 22.39 22.40 21.39 21.51 21.54 21.47	22.46 22.56 22.39 21.47 21.41 21.42 21.44	22.43 22.54 22.51 21.48 21.55 21.54 21.52	22.38 22.55 22.46 21.44 21.52 21.47 21.50	22.41 22.57 22.48 21.52 21.46 21.39 21.40	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90	0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2
15	16-QAM	1 1 36 36 36 75	0 36 74 0 18 37 0	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.56	22.46 22.56 22.39 21.47 21.41 21.42 21.44 21.54	22.43 22.54 22.51 21.48 21.55 21.54 21.52 21.48	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45	22.41 22.57 22.48 21.52 21.46 21.39 21.40 21.49	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90	0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2
15	16-QAM	1 1 36 36 36 36 75	0 36 74 0 18 37	22.43 22.39 22.40 21.39 21.51 21.54 21.47	22.46 22.56 22.39 21.47 21.41 21.42 21.44	22.43 22.54 22.51 21.48 21.55 21.54 21.52	22.38 22.55 22.46 21.44 21.52 21.47 21.50	22.41 22.57 22.48 21.52 21.46 21.39 21.40	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90	0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2
15	16-QAM	1 1 36 36 36 36 75 1	0 36 74 0 18 37 0 0	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.56 21.47	22.46 22.56 22.39 21.47 21.41 21.42 21.44 21.54 21.46	22.43 22.54 22.51 21.48 21.55 21.54 21.52 21.48 21.44	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45 21.50	22.41 22.57 22.48 21.52 21.46 21.39 21.40 21.49 21.43	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90 21.90	0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2
15		1 1 36 36 36 36 75 1 1	0 36 74 0 18 37 0 0 36 74	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.56 21.47 21.52	22.46 22.56 22.39 21.47 21.41 21.42 21.44 21.54 21.46 21.43	22.43 22.54 22.51 21.48 21.55 21.54 21.52 21.48 21.44 21.42	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45 21.50 21.46	22.41 22.57 22.48 21.52 21.46 21.39 21.40 21.49 21.43 21.56	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90	0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2
15		1 1 36 36 36 75 1 1 1 36 36 36	0 36 74 0 18 37 0 0 36 74 0 18 37	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.56 21.47 21.52 20.46 20.49 20.54	22.46 22.56 22.39 21.47 21.41 21.42 21.44 21.54 21.46 21.43 20.44 20.54 20.42	22.43 22.54 22.51 21.48 21.55 21.54 21.52 21.48 21.44 21.42 20.38 20.47 20.38	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45 21.50 21.46 20.39 20.43 20.45	22.41 22.57 22.48 21.52 21.46 21.39 21.40 21.49 21.43 21.56 20.40 20.42 20.54	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 20.90 20.90	0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2
15		1 1 36 36 36 75 1 1 1 1 36 36 36 75	0 36 74 0 18 37 0 0 36 74 0 18 37	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.56 21.47 21.52 20.46 20.49 20.54	22.46 22.56 22.39 21.47 21.41 21.42 21.44 21.54 21.46 21.43 20.44 20.54 20.39	22.43 22.54 22.51 21.55 21.54 21.55 21.54 21.48 21.42 20.38 20.47 20.38 20.39	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45 21.50 21.46 20.39 20.43 20.43 20.45 20.44	22.41 22.57 22.48 21.52 21.46 21.39 21.40 21.49 21.43 21.56 20.40 20.42 20.54 20.38	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 20.90 20.90 20.90	0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2
15		1 1 36 36 36 75 1 1 1 36 36 36 36 75	0 36 74 0 18 37 0 0 36 74 0 18 37 0	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.56 21.47 21.52 20.46 20.49 20.54 20.49 18.50	22.46 22.56 22.39 21.47 21.41 21.42 21.44 21.54 21.43 20.44 20.54 20.42 20.39 18.43	22.43 22.54 22.54 22.51 21.48 21.55 21.54 21.52 21.48 21.44 21.42 20.38 20.47 20.38 20.39 18.38	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45 21.50 21.46 20.39 20.43 20.45 20.44 18.44	22.41 22.57 22.48 21.52 21.46 21.39 21.40 21.49 21.43 21.52 20.40 20.40 20.54 20.54 20.38	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 20.90 20.90 20.90 20.90 20.90	0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2
15		1 1 36 36 36 75 1 1 1 36 36 36 36 36 36	0 36 74 0 18 37 0 0 0 36 74 18 37 0 0 0 36 74 0 0 36 74 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.56 21.47 21.52 20.46 20.49 20.54 20.49 18.50 18.51	22.46 22.56 22.39 21.47 21.41 21.42 21.54 21.46 21.43 20.44 20.54 20.42 20.39 18.43 18.45	22.43 22.54 22.51 21.48 21.55 21.54 21.52 21.44 21.42 20.38 20.47 20.38 20.39 18.38	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45 21.45 21.50 21.46 20.39 20.43 20.44 18.44 18.44	22.41 22.57 22.48 21.52 21.40 21.39 21.40 21.49 21.49 21.49 20.42 20.42 20.54 20.38 18.47	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 20.90 20.90 20.90 16.90	0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-3 0-3 0-3 0-3 0-5 0-5
15	64-QAM	1 1 36 36 36 75 1 1 1 36 36 36 75 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 36 74 0 18 37 0 0 36 74 0 18 37 0 0 18 0 0 36 74	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.52 20.49 20.54 20.49 18.50 18.51 18.56	22.46 22.56 22.39 21.47 21.41 21.42 21.44 21.54 21.46 21.43 20.44 20.54 20.42 20.39 18.43 18.43 18.45	22.43 22.54 22.51 21.48 21.55 21.54 21.52 21.44 21.42 20.38 20.47 20.38 20.39 18.38 18.38 18.40	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45 21.46 20.39 20.43 20.45 20.44 18.44 18.43	22.41 22.57 22.58 21.52 21.46 21.39 21.49 21.49 21.49 21.49 21.49 20.40 20.56 20.40 20.58 16.47 16.48	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 20.90 20.90 20.90 18.90 18.90	0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-3 0-3 0-3 0-3 0-5 0-5
15		1 1 36 36 36 36 75 1 1 1 36 36 36 75 1 1 1 1 36 36 36 36 36 36 36 36 36 36 36 36 36	0 36 74 0 18 37 0 0 0 0 36 74 0 0 18 37 0 0 0 0 0 36 74 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.56 21.47 21.52 20.46 20.49 20.54 18.50 18.51 18.56 18.40	22.46 22.56 22.39 21.47 21.41 21.42 21.44 21.54 21.46 21.43 20.44 20.54 20.42 20.39 18.43 18.45 18.39 18.48	22.43 22.54 22.51 21.48 21.55 21.54 21.52 21.48 21.42 20.38 20.47 20.38 20.47 20.39 18.38 18.38 18.40 18.49	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45 21.45 21.50 21.46 20.39 20.43 20.45 20.44 18.43 18.43 18.43 18.43	22.41 22.57 22.48 21.52 21.40 21.49 21.49 21.49 21.49 20.42 20.42 20.54 20.38 18.47 18.48 18.48	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 11.90 20.90 20.90 20.90 18.90 18.90 18.90 18.90	0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2
15	64-QAM	1 1 36 36 36 75 1 1 1 36 36 36 75 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 36 74 0 18 37 0 0 36 74 0 18 37 0 0 18 0 0 36 74	22.43 22.39 22.40 21.39 21.51 21.54 21.47 21.52 20.49 20.54 20.49 18.50 18.51 18.56	22.46 22.56 22.39 21.47 21.41 21.42 21.44 21.54 21.46 21.43 20.44 20.54 20.42 20.39 18.43 18.43 18.45	22.43 22.54 22.51 21.48 21.55 21.54 21.52 21.44 21.42 20.38 20.47 20.38 20.39 18.38 18.38 18.40	22.38 22.55 22.46 21.44 21.52 21.47 21.50 21.45 21.46 20.39 20.43 20.45 20.44 18.44 18.43	22.41 22.57 22.58 21.52 21.46 21.39 21.49 21.49 21.49 21.49 21.49 20.40 20.56 20.40 20.58 16.47 16.48	22.90 22.90 22.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 21.90 20.90 20.90 20.90 18.90 18.90	0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-3 0-3 0-3 0-3 0-5 0-5

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					LTI	E Band 41 (F	HPUE)			
BW(Mhz)	Modulation	RB Size	RB Offset			Conducted	power (dBm)			
	Frequen	cy (MHz)		2501	2547	2593	2639	2685	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		39700	40160	40620	41080	41540	Tolerance (dbin)	
		1	0	23.57	23.45	23.55	23.46	23.43	23.90	0
		1	25	23.48	23.57	23.50	23.38	23.57	23.90	0
	QPSK	25	49 0	23.46 22.55	23.41 22.51	23.56 22.50	23.55 22.42	23.55	23.90 22.90	0-1
	QFSK	25	12	22.50	22.57	22.41	22.56	22.38	22.90	0-1
		25	25	22.53	22.53	22.55	22.53	22.57	22.90	0-1
		50	0	22.50	22.40	22.54	22.43	22.49	22.90	0-1
		1	0	22.55	22.51	22.43	22.42	22.41	22.90	0-1
		1	25	22.54	22.43	22.57	22.41	22.44	22.90	0-1
	40.0444	1	49	22.44	22.40	22.56	22.48	22.40	22.90	0-1
	16-QAM	25 25	0 12	21.43 21.52	21.55 21.48	21.55 21.50	21.57 21.50	21.47 21.52	21.90 21.90	0-2 0-2
		25 25	12 25	21.52	21.48	21.50	21.50	21.52	21.90	0-2
		50	0	21.38	21.34	21.45	21.50	21.39	21.90	0-2
10		1	0	21.55	21.38	21.51	21.51	21.55	21.90	0-2
		1	25	21.43	21.53	21.54	21.46	21.57	21.90	0-2
		1	49	21.46	21.54	21.42	21.57	21.49	21.90	0-2
	64-QAM	25	0	20.43	20.56	20.48	20.48	20.52	20.90	0-3
		25	12	20.55	20.47	20.38	20.42	20.42	20.90	0-3
		25	25	20.54	20.48	20.51	20.54	20.44	20.90	0-3
		50	0	20.40	20.53	20.41	20.46	20.52	20.90	0-3
		1	25	18.56 18.46	18.55 18.56	18.40 18.47	18.45 18.42	18.41 18.47	18.90 18.90	0-5 0-5
		1	49	18.53	18.39	18.44	18.52	18.44	18.90	0-5
	256-QAM	25	0	18.44	18.40	18.54	18.52	18.51	18.90	0-5
		25	12	18.55	18.51	18.46	18.44	18.49	18.90	0-5
		25	25	18.57	18.53	18.43	18.50	18.46	18.90	0-5
		50	0	18.57	18.45	18.49	18.40	18.46	18.90	0-5
	Frequen	cy (MHz)		2498.5	2547.8	2593	2640.3	2687.5	Target Power + Max.	MPR Allowed per
	Cha	nnel		39675	40148	40620	41093	41565	Tolerance (dBm)	3GPP(dB)
		1	0	23.43	23.44	23.45	23.41	23.47	23.90	0
		1	12	23.50	23.42	23.46	23.45	23.53	23.90	0
	QPSK	12	24 0	23.54 22.55	23.55 22.40	23.48 22.54	23.47	23.44 22.57	23.90 22.90	0 0-1
	QPSK	12	6	22.55	22.40	22.54	22.39	22.57	22.90	0-1
		12	13	22.56	22.54	22.55	22.51	22.55	22.90	0-1
		25	0	22.56	22.50	22.51	22.51	22.49	22.90	0-1
		1	0	22.39	22.44	22.39	22.44	22.55	22.90	0-1
		1	12	22.44	22.40	22.51	22.56	22.50	22.90	0-1
	l l	1	24	22.43	22.46	22.40	22.46	22.53	22.90	0-1
	16-QAM	12	0	21.52	21.46	21.48	21.56	21.57	21.90	0-2
		12	6	21.39	21.54	21.56	21.46	21.47	21.90	0-2
		12 25	13 0	21.43	21.50 21.39	21.56 21.50	21.56 21.45	21.52 21.51	21.90 21.90	0-2 0-2
5		1	0	21.49	21.59	21.42	21.45	21.45	21.90	0-2
		1	12	21.46	21.54	21.49	21.42	21.45	21.90	0-2
		1	24	21.47	21.42	21.53	21.45	21.55	21.90	0-2
	64-QAM	12	0	20.45	20.46	20.45	20.43	20.51	20.90	0-3
		12	6	20.43	20.39	20.51	20.38	20.42	20.90	0-3
		12	13	20.53	20.47	20.49	20.49	20.49	20.90	0-3
	<u> </u>	25	0	20.51	20.48	20.39	20.40	20.57	20.90	0-3
		1	0 12	18.42 18.56	18.54 18.52	18.53 18.44	18.42 18.57	18.41 18.43	18.90 18.90	0-5 0-5
				18.42	18.52	18.44	18.40	18.43	18.90	0-5
		1						10.55		0-0
	256-QAM	1 12	24					18.51	18.90	0-5
	256-QAM	1 12 12	24 0 6	18.54 18.43	18.54 18.43	18.43 18.51	18.43 18.49	18.51 18.57	18.90 18.90	0-5 0-5
	256-QAM	12	0	18.54	18.54	18.43	18.43			

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

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Notebook mode

Tx5-5G NR n2 / n5 / n12 / n66 power table:

5G NR n2												
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target					
	Frequenc	y (MHz)		1860	1880	1900	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)				
	Char	nnel		372000	376000	380000	Tolerance (dBin)					
		1	1	17.69	17.34	17.55	18.00	0				
	1	1	53	17.30	17.23	17.27	18.00	0				
		1	104	17.29	17.16	17.31	18.00	0				
	Pi/2 BPSK	50	0	17.26	17.24	17.17	18.00	0				
		50	28	17.16	17.19	17.14	18.00	0				
		50	56	17.23	17.15	17.20	18.00	0				
		100	0	17.12	17.28	17.27	18.00	0				
		1	1	17.31	17.19	17.21	18.00	0				
20	20 QPSK	1	53	17.30	17.27	17.27	18.00	0				
		1	104	17.26	17.19	17.18	18.00	0				
		50	0	17.19	17.20	17.18	18.00	0				
		50	28	17.15	17.15	17.23	18.00	0				
		50	56	17.14	17.15	17.30	18.00	0				
		100	0	17.18	17.22	17.23	18.00	0				
	16-QAM	1	1	17.13	17.23	17.15	18.00	0				
	64QAM	1	1	17.22	17.13	17.11	18.00	0				
	256-QAM	1	1	17.18	17.14	17.22	18.00	0				
	Frequenc	y (MHz)		1857.5	1880	1902.5	Target Power + Max.	MPR Allowed per				
	Char	nnel		371500	376000	380500	Tolerance (dBm)	3GPP(dB)				
15	Pi/2 BPSK	1	1	17.16	17.22	17.13	18.00	0				
	Frequenc	y (MHz)		1855	1880	1905	Target Power + Max.	MPR Allowed per				
	Char	nnel		371000	376000	381000	Tolerance (dBm)	3GPP(dB)				
10	Pi/2 BPSK	1	1	17.24	17.20	17.15	18.00	0				
	Frequency (MHz)			1852.5	1880	1907.5	Target Power + Max.	MPR Allowed per				
	Channel			370500	376000	381500	Tolerance (dBm)	3GPP(dB)				
5	Pi/2 BPSK	1	1	17.21	17.31	17.21	18.00	0				

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5G NR n5													
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target						
	Frequenc	cy (MHz)		834	836.5	839	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)					
	Chai	nnel		166800	167300	167800	Toloranoc (abin)						
		1	1	22.78	22.81	22.70	22.90	0					
		1	53	22.68	22.53	22.67	22.90	0					
	l .	1	104	22.66	22.60	22.57	22.90	0					
	Pi/2 BPSK	50	0	22.56	22.63	22.69	22.90	0					
	[50	28	22.63	22.68	22.65	22.90	0					
	[50	56	22.52	22.66	22.55	22.90	0					
			0	22.19	22.17	22.16	22.40	0-0.5					
		1	1	22.58	22.62	22.68	22.90	0					
20		1	53	22.52	22.62	22.64	22.90	0					
		1	104	22.57	22.59	22.63	22.90	0					
	QPSK	50	0	22.52	22.60	22.59	22.90	0					
		50	28	22.65	22.61	22.55	22.90	0					
	l	50	56	22.57	22.58	22.69	22.90	0					
	l	100	0	21.62	21.55	21.61	21.90	0-1					
	16-QAM	1	1	21.63	21.64	21.53	21.90	0-1					
	64QAM	1	1	20.10	20.12	20.11	20.40	0-2.5					
	256-QAM	1	1	18.01	18.09	18.05	18.40	0-4.5					
	Frequenc	cy (MHz)		831.5	836.5	841.5	Target Power + Max.	MPR Allowed per					
	Chai	nnel		166300	167300	168300	Tolerance (dBm)	3GPP(dB)					
15	Pi/2 BPSK	1	1	22.65	22.63	22.66	22.90	0					
	Frequenc	cy (MHz)		829	836.5	844	Target Power + Max.	MPR Allowed per					
	Chai	nnel		166300	167300	168800	Tolerance (dBm)	3GPP(dB)					
10	Pi/2 BPSK	1	1	21.63	21.58	21.61	22.90	0					
	Frequency (MHz)				836.5	846.5	Target Power + Max.	MPR Allowed per					
	Channel			165300	167300	169300	Tolerance (dBm)	3GPP(dB)					
5	Pi/2 BPSK	1	1	22.67	22.55	22.62	22.90	0					

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	5G NR n12												
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target						
	Frequenc	cy (MHz)		706.5	707.5	708.5	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)					
	Char	nnel		141300	141500	141700	Toloranoc (abin)						
		1	1	22.34	22.31	22.28	22.40	0					
		1	40	22.15	22.19	22.20	22.40	0					
		1	77	22.10	22.20	22.12	22.40	0					
	Pi/2 BPSK	36	0	22.19	22.10	22.17	22.40	0					
		36	22	22.15	22.11	22.19	22.40	0					
		36	43	22.27	22.24	22.13	22.40	0					
		75	0	21.63	21.73	21.61	21.90	0-0.5					
		1	1	22.26	22.21	22.20	22.40	0					
15		1	40	22.09	22.25	22.24	22.40	0					
		1	77	22.13	22.08	22.24	22.40	0					
	QPSK	36	0	22.27	22.10	22.17	22.40	0					
		36	22	22.21	22.19	22.12	22.40	0					
		36	43	22.14	22.19	22.21	22.40	0					
		75	0	21.23	21.26	21.19	21.40	0-1					
	16-QAM	1	1	21.19	21.21	21.13	21.40	0-1					
	64QAM	1	1	19.77	19.67	19.58	19.90	0-2.5					
	256-QAM	1	1	17.61	17.67	17.69	17.90	0-4.5					
	Frequenc	cy (MHz)		704	707.5	711	Target Power + Max.	MPR Allowed per					
	Char	nnel		140800	141500	142200	Tolerance (dBm)	3GPP(dB)					
10	Pi/2 BPSK	1	1	22.27	22.32	22.34	22.40	0					
	Frequenc	cy (MHz)		701.5	707.5	713.5	Target Power + Max.	MPR Allowed per					
	Char	nnel		140300	141500	142200	Tolerance (dBm)	3GPP(dB)					
5	Pi/2 BPSK	1	1	22.27	22.32	22.34	22.40	0					

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				5G N	IR n66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target	
	Frequenc	cy (MHz)		1720	1745	1770	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Chai	nnel		344000	349000	354000	Toloranco (abin)	
		1	1	18.22	18.25	18.20	18.30	0
		1	53	18.07	18.11	18.12	18.30	0
		1	104	18.02	18.12	18.05	18.30	0
	Pi/2 BPSK 50 0				18.02	18.04	18.30	0
	50 28				18.03	18.11	18.30	0
	50 56				18.16	18.05	18.30	0
		100	0	18.05	18.15	18.03	18.30	0
		1	1	18.18	18.13	18.12	18.30	0
20		1	53	18.01	18.17	18.16	18.30	0
		1	104	18.05	18.00	18.16	18.30	0
	QPSK	50	0	18.19	18.02	18.11	18.30	0
		50	28	18.13	18.11	18.04	18.30	0
		50	56	18.06	18.12	18.10	18.30	0
		100	0	18.15	18.18	18.11	18.30	0
	16-QAM	1	1	18.11	18.13	18.05	18.30	0
	64QAM	1	1	18.19	18.09	18.00	18.30	0
	256-QAM	1	1	18.03	18.06	18.13	18.30	0
	Frequenc	cy (MHz)		1717.5	1745	1772.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		343500	349000	354500	Tolerance (dBm)	3GPP(dB)
15	Pi/2 BPSK	1	1	18.13	18.11	18.04	18.30	0
	Frequenc	cy (MHz)		1715	1745	1775	Target Power + Max.	MPR Allowed per
	Chai	nnel		343000	349000	355000	Tolerance (dBm)	3GPP(dB)
10	Pi/2 BPSK	1	1	18.15	18.18	18.11	18.30	0
	Frequenc	cy (MHz)		1712.5	1745	1777.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		342500	349000	355500	Tolerance (dBm)	3GPP(dB)
5	Pi/2 BPSK	1	1	18.06	18.11	18.17	18.30	0

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Tablet mode

Tx5-WCDMA Band II / Band IV / Band V - HSDPA / HSUPA / HSPA+ / DC-HSDPA conducted power table:

Unit: dRm

	TX Channel requency (MHz) Power+Max. Tolerance (dBm) RMC 12.2Kbps HSDPA Subtest-1 HSDPA Subtest-2 HSDPA Subtest-3 HSDPA Subtest-4	9262 1852.4 15.11 14.97 14.93 15.05	9400 1880 15.20 15.16 14.88 14.89	9538 1907.6 15.09 14.90 14.97
Max. Rated Avg. 3GPP Rel 99 3GPP Rel 5	Power+Max. Tolerance (dBm) RMC 12.2Kbps HSDPA Subtest-1 HSDPA Subtest-2 HSDPA Subtest-3 HSDPA Subtest-4	15.11 14.97 14.93	15.20 15.16 14.88	15.09 14.90
3GPP Rel 99 3GPP Rel 5	RMC 12.2Kbps HSDPA Subtest-1 HSDPA Subtest-2 HSDPA Subtest-3 HSDPA Subtest-4	14.97 14.93	15.16 14.88	14.90
3GPP Rel 5	HSDPA Subtest-1 HSDPA Subtest-2 HSDPA Subtest-3 HSDPA Subtest-4	14.97 14.93	14.88	14.90
	HSDPA Subtest-2 HSDPA Subtest-3 HSDPA Subtest-4	14.93		
	HSDPA Subtest-3 HSDPA Subtest-4		14.89	1/107
	HSDPA Subtest-4	15.05		14.51
2CDD Pal 6		15.05	15.02	14.91
3CDD Pale		14.91	15.01	14.89
3CDD Pole	HSUPA Subtest-1	15.04	14.99	14.98
2CDD Polic	HSUPA Subtest-2	14.87	15.03	15.02
SGFF Kel 6	HSUPA Subtest-3	14.91	14.86	15.02
	HSUPA Subtest-4	15.05	14.88	14.97
	HSUPA Subtest-5	14.99	14.97	14.90
3GPP Rel 7	HSPA+	14.92	14.96	14.99
	DC-HSDPA Subtest-1	15.01	15.04	14.97
3GPP Rel 8	DC-HSDPA Subtest-2	14.97	14.99	14.91
JOFF REIO	DC-HSDPA Subtest-3	15.05	14.95	14.86
	DC-HSDPA Subtest-4	14.89	14.95	14.97
	Band		NCDMA IV	/
	TX Channel	1312	1412	1513
Fr	requency (MHz)	1712.4	1732.4	1752.6
	Power+Max. Tolerance (dBm)	17.12.1	16.20	1702.0
3GPP Rel 99	RMC 12.2Kbps	16.15	16.11	16.08
0011 110100	HSDPA Subtest-1	16.00	15.91	15.93
	HSDPA Subtest-2	15.96	15.92	16.00
3GPP Rel 5	HSDPA Subtest-3	16.08	16.05	15.94
	HSDPA Subtest-4	15.94	16.04	15.92
	HSUPA Subtest-1	16.07	16.02	16.01
	HSUPA Subtest-2	15.90	16.06	16.04
3GPP Rel 6	HSUPA Subtest-3	15.94	15.89	16.05
00	HSUPA Subtest-4	16.08	15.91	16.00
	HSUPA Subtest-5	16.02	16.00	15.93
3GPP Rel 7	HSPA+	15.95	16.01	16.02
001111011	DC-HSDPA Subtest-1	16.04	16.07	16.00
	DC-HSDPA Subtest-2	16.00	16.02	15.94
3GPP Rel 8	DC-HSDPA Subtest-3	16.08	15.97	15.89
	DC-HSDPA Subtest-4	15.92	15.98	16.00
	Band		WCDMA \	
	TX Channel	4132	4183	4233
Е,	requency (MHz)	826.4	836.6	846.6
	Power+Max. Tolerance (dBm)	020.4	21.30	040.0
3GPP Rel 99	RMC 12.2Kbps	21.24	21.21	21.18
JOFF REI 99	HSDPA Subtest-1	21.24	21.21	21.18
	HSDPA Subtest-2	21.07	21.06	21.00
3GPP Rel 5	HSDPA Subtest-2 HSDPA Subtest-3			
	HSDPA Subtest-4	20.69	20.65	20.49
		21.14	21.04	20.65
	HSUPA Subtest-1	19.08	19.09	19.10
	HSTIDA Subtoct 7	13.00		20.09
3GPP Ral 6	HSUPA Subtest-2	20.16	20 02	
3GPP Rel 6	HSUPA Subtest-3	20.16	20.03	
3GPP Rel 6	HSUPA Subtest-3 HSUPA Subtest-4	19.17	19.13	19.01
	HSUPA Subtest-3 HSUPA Subtest-4 HSUPA Subtest-5	19.17 21.14	19.13 21.08	19.01 21.13
3GPP Rel 6	HSUPA Subtest-3 HSUPA Subtest-4 HSUPA Subtest-5 HSPA+	19.17 21.14 21.06	19.13 21.08 21.17	19.01 21.13 21.15
3GPP Rel 7	HSUPA Subtest-3 HSUPA Subtest-4 HSUPA Subtest-5 HSPA+ DC-HSDPA Subtest-1	19.17 21.14 21.06 21.09	19.13 21.08 21.17 21.06	19.01 21.13 21.15 21.15
	HSUPA Subtest-3 HSUPA Subtest-4 HSUPA Subtest-5 HSPA+	19.17 21.14 21.06	19.13 21.08 21.17	19.01 21.13 21.15

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Sub-Test for HSDPA

SUB-TEST	β_{c}	β_{d}	β _d (SF)	β_c/β_d	β _{HS} (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15	15/15	64	12/15	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Sub-Test for HSUPA

SUB-TEST	βς	β _d	β _d (SF)	β _o /β _d	β _{HS} (Note1)	β _{ec}	β _{ed} (Note 5) (Note 6)	β _{ed} (SF)	β _{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 6)	E-TFCI
1	11/15	15/15	64	11/15	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β _{ed} 1: 47/15 β _{ed} 2: 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	15/15	64	15/15	30/15	24/15	134/15	4	1	1.0	0.0	21	81

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Tx5-LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 17 / Band 25 / Band 26 / Band 30 / Band 66 power table:

					Band 2			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	_	
	Frequenc	cy (MHz)		1860	1880	1900	Target Power + Max. Tolerance (dBm)	MPR Allowed pe 3GPP(dB)
	Cha	nnel		18700	18900	19100	Tolerance (ubili)	
		1	0	16.22	16.28	16.16	16.30	0
		1	50	16.19	16.16	16.11	16.30	0
	QPSK	1 50	99	16.13	16.14	16.07	16.30	0
	QP5K	50	0 25	16.15 16.13	16.23 16.18	16.14 16.12	16.30 16.30	0
		50 50	50	16.05	16.16	16.12	16.30	
		100	0	16.02	15.98	16.03	16.30	
		1	0	15.99	16.09	16.04	16.30	0
		1	50	16.07	16.08	15.99	16.30	0
		1	99	16.04	16.13	16.00	16.30	0
	16-QAM	50	0	16.04	16.00	16.12	16.30	0
		50	25	16.01	16.03	15.97	16.30	
20		50	50	16.13	16.16	16.03	16.30	
	\vdash	100 1	0	15.99 15.98	16.04 16.08	16.04 16.04	16.30 16.30	
		1	50	16.00	16.08	15.99	16.30	
		1	99	16.16	16.00	16.15	16.30	
	64-QAM	50	0	16.07	16.04	16.09	16.30	
	64-QAM	50	25	15.99	16.02	16.11	16.30	0
		50	50	16.07	16.00	16.07	16.30	0
	-	100	0	15.98	16.16	16.02	16.30	0
		1	0	15.98	16.09	16.01	16.30	0
		1	50	16.00	15.98	16.08	16.30	0
		1	99	16.03	15.99	16.02	16.30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	256-QAM	50	0	16.10	16.11	16.16	16.30	
		50 50	25 50	16.13 16.07	16.15	16.06	16.30	
		100	0	16.13	16.02 16.08	15.99 16.15	16.30 16.30	
	Frequenc			1857.5	1880	1902.5	Target	
		Channel			18900	19125	Power + Max. Tolerance (dBm)	
		1	0	16.12	16.24	16.25	16.30	0
		1	36	16.12	16.12	16.20	16.30	
		1	74	16.15	16.24	16.16	16.30	
	QPSK	36	0	16.23	16.15	16.15	16.30	
		36	18	16.30	16.15	16.25	16.30	0
		36	37	16.11	16.23	16.17	16.30	
		75	0	16.25	16.16	16.18	16.30	
		1	0	16.11	16.29	16.18	16.30	
		1	36	16.16	16.26	16.29	16.30	
	16-QAM	1 36	74 0	16.23 16.19	16.21 16.16	16.16 16.12	16.30 16.30	
	10-QAIVI	36	18	16.19	16.16	16.12	16.30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		36	37	16.20	16.21	16.30	16.30	
		75	0	16.26	16.14	16.22	16.30	
15		1	0	16.11	16.11	16.19	16.30	
		11	36	16.26	16.15	16.15	16.30	0
		1	74	16.17	16.14	16.29	16.30	
	64-QAM	36	0	16.30	16.23	16.29	16.30	0 0 0 0 0 0 0 0 0 0 0 0
		36	18	16.19	16.11	16.29	16.30	
		36	37	16.11	16.21	16.15	16.30	
	<u> </u>	75	0	16.26	16.27	16.16	16.30	
		1	0 36	16.15 16.20	16.26	16.23	16.30 16.30	0
		- 1			16.30	16.20		
		1	I 74					1 ()
	256-QAM	1 36	74	16.21 16.27	16.20 16.23	16.30 16.13	16.30 16.30	0
	256-QAM	36	0	16.27	16.23	16.13	16.30	0
	256-QAM							

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				LTE	Band 2			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		1855	1880	1905	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char	nnel		18650	18900	19150	Tolerance (dBm)	, ,
		1	0 25	16.14 16.16	16.22 16.20	16.26 16.18	16.30 16.30	0
		1	49	16.28	16.20	16.16	16.30	0
	QPSK	25	0	16.23	16.17	16.21	16.30	0
		25	12	16.17	16.28	16.12	16.30	
		25 50	25 0	16.29 16.11	16.19 16.11	16.17 16.29	16.30 16.30	
		1	0	16.12	16.21	16.20	16.30	0
		1	25	16.21	16.23	16.29	16.30	0
	16-QAM	1	49	16.11	16.12	16.14	16.30	
	16-QAM	25 25	0 12	16.22 16.12	16.27 16.22	16.15 16.30	16.30 16.30	
		25	25	16.12	16.25	16.28	16.30	0
10		50	0	16.28	16.15	16.19	16.30	0
10		1	0	16.29	16.20	16.30	16.30	0
		1 1	25 49	16.14 16.20	16.24 16.14	16.29 16.27	16.30 16.30	
	64-QAM	25	0	16.21	16.20	16.27	16.30	
		25	12	16.15	16.22	16.27	16.30	0
		25	25	16.27	16.26	16.26	16.30	0
		50	0	16.15	16.24	16.20	16.30	0
		1	0 25	16.25 16.16	16.30	16.26 16.26	16.30	
		1 1	49	16.16	16.11 16.12	16.29	16.30 16.30	3GPP(dB) 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0
	256-QAM	25	0	16.23	16.20	16.18	16.30	
		25	12	16.13	16.19	16.18	16.30	
		25	25	16.23	16.25	16.30	16.30	
	<u> </u>	50	0	16.30	16.23	16.27	16.30	0
	Frequency (MHz) Channel			1852.5 18625	1880	1907.5 19175	Target Power + Max. Tolerance (dBm)	
	T I						, ,	2
		1 1	0 12	16.27 16.15	16.16 16.15	16.22 16.29	16.30 16.30	
		1	24	16.13	16.13	16.22	16.30	
	QPSK	12	0	16.29	16.26	16.24	16.30	
	[12	6	16.13	16.26	16.12	16.30	
		12	13	16.20	16.11	16.28	16.30	
	\vdash	25 1	0	16.30 16.21	16.15 16.17	16.23 16.20	16.30 16.30	
		1	12	16.21	16.17	16.22	16.30	
		1	24	16.18	16.24	16.20	16.30	
	16-QAM	12	0	16.24	16.22	16.20	16.30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		12	6	16.28	16.26	16.29	16.30	
		12 25	13 0	16.12 16.23	16.21 16.19	16.11 16.13	16.30 16.30	
5		1	0	16.23	16.19	16.13	16.30	
		1	12	16.14	16.19	16.19	16.30	
		1	24	16.19	16.11	16.29	16.30	
	64-QAM	12	0	16.23	16.11	16.26	16.30	
		12 12	6 13	16.28 16.23	16.28 16.25	16.11 16.13	16.30 16.30	
		25	0	16.24	16.16	16.13	16.30	
		1	0	16.30	16.19	16.18	16.30	
	[1	12	16.23	16.27	16.12	16.30	
	256 0444	1 12	24	16.11	16.14	16.25	16.30	
	256-QAM	12 12	6	16.19 16.24	16.12 16.29	16.27 16.24	16.30 16.30	
l		12	13	16.15	16.29	16.24	16.30	0

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				LTE	Band 4			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	.	
	Frequen	cy (MHz)		1720	1732.5	1745	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		20050	20175	20300	Tolerance (ubili)	
		1	0	16.76	16.72	16.77	16.80	0
		1	50	16.56	16.54	16.62	16.80	
	0.0017	1	99	16.60	16.61	16.66	16.80	
	QPSK	50	0	16.54	16.58	16.61	16.80	
		50 50	25 50	16.64 16.58	16.62 16.69	16.51 16.63	16.80 16.80	
		100	0	16.67	16.57	16.63	16.80	
		1	0	16.53	16.55	16.55	16.80	
		1	50	16.64	16.56	16.62	16.80	
		1	99	16.61	16.53	16.51	16.80	0
	16-QAM	50	0	16.67	16.51	16.69	16.80	0
		50	25	16.54	16.53	16.63	16.80	0
		50	50	16.55	16.66	16.62	16.80	0
20		100	0	16.56	16.68	16.57	16.80	0
20		1	0	16.65	16.53	16.59	16.80	0
		1	50	16.56	16.55	16.60	16.80	0
		1	99	16.66	16.56	16.67	16.80	
	64-QAM	50	0	16.65	16.64	16.59	16.80	
		50	25	16.67	16.52	16.61	16.80	
		50	50	16.67	16.53	16.54	16.80	
		100	0	16.65 16.54	16.55	16.62	16.80	
		1	0		16.58	16.69 16.52	16.80 16.80	
		1	50 99	16.70 16.65	16.60 16.51	16.52	16.80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	256-QAM	50	0	16.66	16.68	16.59	16.80	
	250-Q/101	50	25	16.69	16.62	16.58	16.80	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		50	50	16.66	16.59	16.68	16.80	
	-	100	0	16.51	16.55	16.67	16.80	
	Frequen	cy (MHz)		1717.5	1732.5	1747.5	Target	MPR Allowed per
	Cha	Channel			20175	20325	Power + Max. Tolerance (dBm)	
		1	0	16.57	16.57	16.58	16.80	0
		1	36	16.69	16.58	16.62	16.80	0
		1	74	16.68	16.60	16.55	16.80	0
	QPSK	36	0	16.58	16.62	16.60	16.80	
		36	18	16.54	16.68	16.60	16.80	
		36	37	16.69	16.53	16.57	16.80	
		75	0	16.57	16.64	16.59	16.80	
		1	0	16.56	16.61	16.68	16.80	
		1	36 74	16.66 16.53	16.70 16.58	16.67 16.53	16.80 16.80	
	16-QAM	36	0	16.70	16.62	16.57	16.80	
	10 Q/NIVI	36	18	16.58	16.53	16.66	16.80	
		36	37	16.68	16.54	16.55	16.80	
1 ,-		75	0	16.55	16.58	16.66	16.80	
15		1	0	16.64	16.70	16.66	16.80	
		1	36	16.52	16.61	16.66	16.80	
		1	74	16.51	16.54	16.65	16.80	0
	64-QAM	36	0	16.67	16.68	16.52	16.80	Max. (dBm) 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		36	18	16.68	16.53	16.57	16.80	
		36	37	16.67	16.57	16.67	16.80	
		75	0	16.57	16.64	16.63	16.80	
		1	0	16.52	16.57	16.70	16.80	
		1	36	16.51	16.53	16.53	16.80	
	256 0 4 4	1	74	16.52	16.57	16.69	16.80	
	256-QAM	36	0	16.55	16.54	16.68	16.80	
		36 36	18 37	16.52 16.55	16.66 16.66	16.63 16.61	16.80 16.80	
		75	0	16.60	16.57	16.61	16.80	
		7.0	U	10.00	10.01	10.01	10.00	

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				LTE	Band 4			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc			1715	1732.5	1750	Target Power + Max.	MPR Allowed per
	Char	nnel		20000	20175	20350	Tolerance (dBm)	3GFF(GB)
		1	0	16.68	16.55	16.60	16.80	0
		1	25	16.54	16.61	16.64	16.80	0
	ODOK	1	49	16.64	16.52	16.60	16.80	
	QPSK	25 25	0 12	16.65 16.65	16.56 16.60	16.70 16.64	16.80 16.80	
		25	25	16.56	16.54	16.57	16.80	0
		50	0	16.63	16.58	16.61	16.80	0
		1	0	16.55	16.69	16.55	16.80	0
		1	25	16.62	16.55	16.57	16.80	0
	40.0444	1	49	16.57	16.65	16.63	16.80	
	16-QAM	25 25	0 12	16.63	16.56	16.53 16.69	16.80	
		25 25	25	16.57 16.66	16.68 16.61	16.69	16.80 16.80	
		50	0	16.57	16.65	16.58	16.80	
10		1	0	16.65	16.54	16.67	16.80	0
		1	25	16.67	16.70	16.51	16.80	0
	[1	49	16.55	16.66	16.66	16.80	0
	64-QAM	25	0	16.55	16.59	16.58	16.80	0
		25	12	16.60	16.53	16.65	16.80	
		25	25	16.52	16.65	16.55	16.80	
		50 1	0	16.56 16.58	16.66 16.53	16.56 16.54	16.80 16.80	
		1	25	16.51	16.54	16.59	16.80	
		1	49	16.57	16.68	16.52	16.80	3GPP(dB) 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	256-QAM	25	0	16.53	16.56	16.51	16.80	
		25	12	16.55	16.68	16.59	16.80	
	-	25	25	16.64	16.60	16.62	16.80	
		50	0	16.63	16.51	16.65	16.80	0
	Frequenc	requency (MHz)			1732.5	1752.5	Target Power + Max.	
	Char	nnel		19975	20175	20375	Tolerance (dBm)	3GPP(dB)
		1	0	16.59	16.64	16.57	16.80	
		1	12	16.59	16.64	16.53	16.80	
	QPSK	1 12	24	16.70 16.59	16.66	16.66	16.80	
	QP3K	12	6	16.68	16.55 16.59	16.55 16.61	16.80 16.80	
		12	13	16.51	16.54	16.53	16.80	
		25	0	16.57	16.63	16.68	16.80	
		1	0	16.69	16.70	16.62	16.80	
		1	12	16.70	16.69	16.56	16.80	
		1	24	16.68	16.62	16.61	16.80	
	16-QAM	12	0	16.70	16.66	16.67	16.80	
		12 12	6	16.53	16.66	16.51	16.80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		25	13 0	16.53 16.51	16.64 16.53	16.66 16.64	16.80 16.80	
5		1	0	16.68	16.56	16.62	16.80	
		1	12	16.66	16.56	16.68	16.80	0
		1	24	16.60	16.52	16.70	16.80	
	64-QAM	12	0	16.67	16.52	16.57	16.80	
	[12	6	16.58	16.68	16.57	16.80	0 0 0 0 0 0 0
		12	13	16.60	16.68	16.53	16.80	
		25	0	16.58	16.67	16.52	16.80	
		<u>1</u>	0 12	16.60 16.66	16.67 16.70	16.52 16.68	16.80 16.80	
		1	24	16.65	16.58	16.66	16.80	
	256-QAM	12	0	16.60	16.56	16.54	16.80	
		12	6	16.58	16.51	16.61	16.80	0
		12	13	16.51	16.67	16.68	16.80	0
		25	0	16.52	16.56	16.60	16.80	0

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BW(Mhz) Modulation RB Size RB Offset Conducted power (dBm) Target Power + Max. Tolerance (dBm) Tolerance (PR Allowed per 3GPP(dB)
Triangle Triangle	
Channel 19965 20175 20385 1 0 16.51 16.54 16.59 16.80 1 7 16.63 16.59 16.64 16.80 1 14 16.57 16.61 16.58 16.80 2 8 0 16.60 16.67 16.54 16.80 8 4 16.56 16.65 16.65 16.80 8 7 16.61 16.67 16.64 16.80	3GPP(dB)
QPSK 1 7 16.63 16.59 16.64 16.80 1 14 16.57 16.61 16.58 16.80 8 0 16.60 16.67 16.54 16.80 8 4 16.56 16.65 16.65 16.80 8 7 16.61 16.67 16.64 16.80	
QPSK 1 14 16.57 16.61 16.58 16.80 8 0 16.60 16.67 16.54 16.80 8 4 16.56 16.65 16.65 16.80 8 7 16.61 16.67 16.64 16.80	0
QPSK 8 0 16.60 16.67 16.54 16.80 8 4 16.56 16.65 16.65 16.80 8 7 16.61 16.67 16.64 16.80	0
8 4 16.56 16.65 16.65 16.80 8 7 16.61 16.67 16.64 16.80	
8 7 16.61 16.67 16.64 16.80	
1 0 16.64 16.58 16.70 16.80	
1 7 16.57 16.53 16.51 16.80	
1 14 16.51 16.61 16.67 16.80	0
16-QAM 8 0 16.64 16.54 16.54 16.80	0
8 4 16.61 16.69 16.54 16.80	0
8 7 16.54 16.62 16.69 16.80	0
3 15 0 16.66 16.70 16.65 16.80	0
1 0 16.62 16.59 16.62 16.80	0
1 7 16.55 16.56 16.60 16.80	0
1 14 16.56 16.70 16.55 16.80	
64-QAM 8 0 16.68 16.61 16.58 16.80	
8 4 16.68 16.51 16.65 16.80 8 7 16.68 16.69 16.65 16.80	
8 7 16.68 16.69 16.65 16.80 15 0 16.57 16.58 16.51 16.80	
1 0 16.70 16.54 16.53 16.80	
1 7 16.70 16.60 16.57 16.80	
1 14 16.64 16.66 16.64 16.80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
256-QAM 8 0 16.52 16.65 16.55 16.80	
8 4 16.60 16.68 16.59 16.80	
8 7 16.64 16.60 16.62 16.80	0
15 0 16.67 16.70 16.56 16.80	0
Frequency (MHz) 1710.7 1732.5 1754.3 Target Power + Max.	PR Allowed per
Channel 19957 20175 20393 Tolerance (dBm)	3GPP(dB)
1 0 16.61 16.52 16.70 16.80	0
1 2 16.60 16.64 16.63 16.80	
1 5 16.70 16.65 16.63 16.80	
QPSK 3 0 16.67 16.63 16.62 16.80	
3 2 16.57 16.64 16.67 16.80 3 3 16.59 16.56 16.51 16.80	
3 3 16.59 16.56 16.51 16.80 6 0 16.53 16.68 16.65 16.80	
1 0 16.60 16.67 16.52 16.80	
1 2 16.67 16.70 16.56 16.80	
1 5 16.59 16.54 16.69 16.80	
16-QAM 3 0 16.58 16.61 16.60 16.80	
3 2 16.57 16.58 16.59 16.80	0
3 3 16.67 16.57 16.51 16.80	0
1.4 6 0 16.69 16.56 16.54 16.80	
1 0 16.60 16.65 16.55 16.80	
1 2 16.59 16.55 16.80	
1 5 16.62 16.60 16.64 16.80	
64-QAM 3 0 16.61 16.57 16.66 16.80	0 0 0 MPR Allowed per 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3 2 16.64 16.55 16.59 16.80	
3 3 16.64 16.59 16.68 16.80 6 0 16.61 16.63 16.52 16.80	
6 0 16.61 16.63 16.52 16.80 1 0 16.55 16.54 16.57 16.80	
1 2 16.56 16.52 16.58 16.80	
1 5 16.69 16.54 16.51 16.80	
256-QAM 3 0 16.58 16.56 16.65 16.80	
3 2 16.65 16.55 16.55 16.80	0
	0
3 3 16.51 16.51 16.61 16.80	0

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				LTE	Band 5			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Tourst	
	Frequen	cy (MHz)		829	836.5	844	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		20450	20525	20600	Tolorance (abin)	
		1	0	21.65	21.62	21.59	21.70	0
		1	25	21.58	21.48	21.50	21.70	_
	QPSK	1 25	49	21.44 21.43	21.53 21.52	21.41 21.53	21.70 21.70	_
	QF SIX	25	12	21.43	21.56	21.58	21.70	
		25	25	21.40	21.41	21.56	21.70	
		50	0	21.41	21.49	21.57	21.70	0
		1	0	21.54	21.41	21.44	21.70	0
		1	25	21.55	21.48	21.56	21.70	0
		1	49	21.50	21.55	21.49	21.70	0
	16-QAM	25	0	21.50	21.40	21.52	21.70	
		25	12	21.58	21.45	21.58	21.70	
		25	25	21.40	21.55	21.42	21.70	
10	—	50	0	21.48	21.58	21.44	21.70	
		1	0 25	21.56 21.44	21.57 21.46	21.41 21.40	21.70 21.70	
		1	49	21.44	21.47	21.52	21.70	
	64-QAM	25	0	21.41	21.49	21.39	21.70	
		25	12	21.53	21.45	21.55	21.70	
		25	25	21.50	21.55	21.52	21.70	0
		50	0	21.39	21.48	21.46	21.70	0
		1	0	21.58	21.52	21.40	21.70	0
		1	25	21.41	21.55	21.57	21.70	0 0 0 0 0 0 0 0 0
		1	49	21.57	21.39	21.52	21.70	
	256-QAM	25	0	21.43	21.44	21.46	21.70	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	256-QAM	25	12	21.41	21.48	21.54	21.70	
	-	25 50	25 0	21.46 21.44	21.56 21.53	21.53 21.41	21.70 21.70	
	Frequen		0	826.5	836.5	846.5	Target	
	Cha	nnel		20425	20525	20625	Power + Max. Tolerance (dBm)	
		1	0	21.41	21.43	21.51	21.70	0
		1	12	21.53	21.52	21.51	21.70	0
		1	24	21.53	21.39	21.50	21.70	0
	QPSK	12	0	21.41	21.40	21.57	21.70	
		12	6	21.58	21.43	21.50	21.70	
		12	13	21.47	21.56	21.45	21.70	
		25 1	0	21.57 21.54	21.57 21.45	21.39 21.44	21.70 21.70	
		1	12	21.54	21.45	21.44	21.70	
		1	24	21.56	21.44	21.53	21.70	
	16-QAM	12	0	21.40	21.43	21.48	21.70	
		12	6	21.48	21.42	21.48	21.70	
	QPSK	12	13	21.43	21.40	21.47	21.70	
5		25	0	21.50	21.55	21.45	21.70	_
		1	0	21.42	21.58	21.58	21.70	
		1	12	21.44	21.50	21.45	21.70	
	I	1	24	21.50	21.39	21.58	21.70	3GPP(dB) 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0
	64-QAM	12	0	21.51	21.50	21.40	21.70	
			_		21.46	21.43	21.70	
		12	6	21.55				^
		12 12	13	21.51	21.51	21.55	21.70	
		12 12 25	13 0	21.51 21.45	21.51 21.41	21.55 21.53	21.70 21.70	0
		12 12 25 1	13 0 0	21.51 21.45 21.58	21.51 21.41 21.45	21.55 21.53 21.54	21.70 21.70 21.70	0
		12 12 25	13 0	21.51 21.45 21.58 21.57	21.51 21.41 21.45 21.46	21.55 21.53	21.70 21.70 21.70 21.70	0 0 0
	256-QAM	12 12 25 1	13 0 0 12	21.51 21.45 21.58	21.51 21.41 21.45	21.55 21.53 21.54 21.56	21.70 21.70 21.70	0 0 0
	256-QAM	12 12 25 1 1	13 0 0 12 24	21.51 21.45 21.58 21.57 21.53	21.51 21.41 21.45 21.46 21.53	21.55 21.53 21.54 21.56 21.41	21.70 21.70 21.70 21.70 21.70	0 0 0 0
	256-QAM	12 12 25 1 1 1 1	13 0 0 12 24 0	21.51 21.45 21.58 21.57 21.53 21.54	21.51 21.41 21.45 21.46 21.53 21.39	21.55 21.53 21.54 21.56 21.41 21.56	21.70 21.70 21.70 21.70 21.70 21.70 21.70	0 0 0 0 0 0

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				LTE I	Band 5			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	_	
	Frequenc	cy (MHz)		825.5	836.5	847.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		20415	20525	20635	Tolerance (ubin)	
		1	0	21.53	21.49	21.45	21.70	0
		1	7	21.40	21.50	21.50	21.70	0
	0001	1	14	21.57	21.43	21.49	21.70	
	QPSK	8	0	21.47	21.51	21.39	21.70	_
		<u>8</u> 8	7	21.39	21.57	21.45 21.48	21.70	
		15	0	21.52 21.49	21.48 21.58	21.40	21.70 21.70	
		1	0	21.49	21.56	21.53	21.70	
		1	7	21.53	21.44	21.55	21.70	_
		1	14	21.53	21.40	21.45	21.70	
	16-QAM	8	0	21.47	21.54	21.58	21.70	
		8	4	21.41	21.46	21.55	21.70	
		8	7	21.58	21.55	21.46	21.70	0
		15	0	21.52	21.40	21.52	21.70	0
3		1	0	21.52	21.58	21.50	21.70	0
		1	7	21.39	21.39	21.43	21.70	0
		1	14	21.45	21.54	21.47	21.70	0
	64-QAM	8	0	21.44	21.39	21.49	21.70	0
		8	4	21.45	21.57	21.54	21.70	0
		8	7	21.39	21.52	21.43	21.70	
		15	0	21.58	21.41	21.42	21.70	
		1	0	21.39	21.52	21.43	21.70	
		1	7	21.44	21.44	21.52	21.70	3GPP(dB) 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0
	250 0444	1	14	21.41	21.57	21.45	21.70	
	256-QAM	8	0	21.47	21.45	21.57	21.70	
		8 8	7	21.40 21.45	21.44 21.52	21.42 21.49	21.70 21.70	-
		15	0	21.45	21.49	21.49	21.70	_
	Frequenc		0	824.7	836.5	848.3	Target	
	Cha			20407	20525	20643	Power + Max. Tolerance (dBm)	
		1	0	21.50	21.42	21.51	21.70	0
		1	2	21.56	21.53	21.51	21.70	0
		1	5	21.46	21.56	21.53	21.70	0
	QPSK	3	0	21.40	21.50	21.40	21.70	0
		3	2	21.39	21.49	21.47	21.70	
		3	3	21.55	21.52	21.42	21.70	
		6	0	21.56	21.39	21.57	21.70	
		1	0	21.49	21.43	21.56	21.70	
		1	2	21.39	21.48	21.43	21.70	
	16-QAM	3	5 0	21.45	21.40 21.43	21.46 21.51	21.70 21.70	
	10-QAW	3	2	21.53 21.45	21.43	21.51	21.70	
		3	3	21.45	21.48	21.44	21.70	
		6	0	21.51	21.52	21.46	21.70	-
1.4		1	0	21.47	21.58	21.39	21.70	
		1	2	21.49	21.48	21.48	21.70	
		1	5	21.53	21.50	21.40	21.70	
	64-QAM	3	0	21.43	21.39	21.47	21.70	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		3	2	21.50	21.39	21.41	21.70	
		3	3	21.46	21.48	21.51	21.70	0
		6	0	21.46	21.56	21.47	21.70	0
		1	0	21.56	21.48	21.51	21.70	
		1	2	21.55	21.50	21.45	21.70	
		1	5	21.49	21.58	21.40	21.70	
	256-QAM	3	0	21.53	21.50	21.43	21.70	
		3	2	21.54	21.58	21.55	21.70	0
		3	3	21.46	21.53	21.54	21.70	0
		6	0	21.50	21.56	21.49	21.70	0

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				LTE I	Band 7			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	icted power	(dBm)		
	Frequenc	cy (MHz)		2510	2535	2560	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai	nnel		20850	21100	21350	Tolerance (dBm)	(, ,
		1	0	14.44	14.48	14.40	14.50	0
		1 1	50 99	14.28 14.30	14.22 14.34	14.27 14.31	14.50 14.50	0
	QPSK	50	0	14.33	14.22	14.25	14.50	0
		50	25	14.34	14.28	14.26	14.50	0
	[50	50	14.36	14.29	14.30	14.50	0
		100 1	0	14.28 14.34	14.21 14.35	14.35 14.24	14.50 14.50	0
		1	50	14.35	14.35	14.24	14.50	0
		1	99	14.28	14.22	14.38	14.50	0
	16-QAM	50	0	14.30	14.33	14.31	14.50	0
		50 50	25	14.35 14.36	14.23 14.34	14.30 14.25	14.50	0
		100	50 0	14.40	14.34	14.25	14.50 14.50	0
20		1	0	14.32	14.32	14.34	14.50	0
		1	50	14.33	14.22	14.23	14.50	0
		1	99	14.22	14.31	14.33	14.50	0
	64-QAM	50 50	0 25	14.23 14.24	14.29 14.33	14.23 14.23	14.50 14.50	0
		50	50	14.35	14.23	14.23	14.50	0
		100	0	14.28	14.23	14.27	14.50	0
		1	0	14.40	14.23	14.39	14.50	0
		11	50	14.24	14.37	14.37	14.50	0
	256-QAM	1 50	99	14.30	14.29	14.24	14.50	0
	230-QAIVI	50 50	0 25	14.39 14.25	14.25 14.22	14.23 14.29	14.50 14.50	0
		50	50	14.36	14.32	14.34	14.50	0
		100	0	14.28	14.37	14.36	14.50	0
	Frequenc	cy (MHz)		2507.5	2535	2562.5	Target Power + Max.	MPR Allowed per
	Char	nnel		20825	21100	21375	Tolerance (dBm)	3GPP(dB)
		1	0	14.28	14.38	14.40	14.50	0
		1	36	14.24	14.34	14.31	14.50	0
	QPSK	1 36	74 0	14.22 14.27	14.33 14.31	14.22 14.21	14.50 14.50	0
	\(\text{\tin}\text{\tint{\text{\tint{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tett{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\tint{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\ti}\tint{\text{\text{\text{\text{\ti}\titt{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}\tittt{\text{\text{\text{\text{\ti}}\tittt{\text{\text{\text{\text{\ti}}\tittt{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\tiint{\tiint{\text{\tii}}\tint{\text{\ti}}\tinttitex{\tiint{\tiint{\text{\tii}}\tin	36	18	14.28	14.37	14.28	14.50	0
		36	37	14.21	14.32	14.23	14.50	0
		75	0	14.33	14.36	14.33	14.50	0
		1 1	0 36	14.30 14.23	14.40 14.25	14.21 14.39	14.50 14.50	0
		1	74	14.25	14.25	14.39	14.50	0
	16-QAM	36	0	14.23	14.23	14.36	14.50	0
	[36	18	14.37	14.28	14.27	14.50	0
		36	37	14.39	14.22	14.23	14.50	0
15		75 1	0	14.39 14.24	14.23 14.40	14.23 14.38	14.50 14.50	0
		1	36	14.23	14.23	14.26	14.50	0
		1	74	14.29	14.33	14.33	14.50	0
I	64-QAM	36	0	14.30	14.35	14.35	14.50	0
l	64-QAM			14.24	14.34	14.29	14.50	0
	64-QAM	36	18			14 20	1450	2
	64-QAM	36 36	37	14.38	14.21	14.39 14.36	14.50 14.50	0
	64-QAM	36				14.39 14.36 14.31	14.50 14.50 14.50	0 0 0
	64-QAM	36 36 75	37 0	14.38 14.21	14.21 14.29	14.36	14.50	0
		36 36 75 1 1	37 0 0 36 74	14.38 14.21 14.26 14.37 14.33	14.21 14.29 14.34 14.38 14.33	14.36 14.31 14.29 14.24	14.50 14.50 14.50 14.50	0 0 0
	256-QAM	36 36 75 1 1 1 36	37 0 0 36 74 0	14.38 14.21 14.26 14.37 14.33 14.26	14.21 14.29 14.34 14.38 14.33 14.33	14.36 14.31 14.29 14.24 14.29	14.50 14.50 14.50 14.50 14.50	0 0 0 0
		36 36 75 1 1	37 0 0 36 74	14.38 14.21 14.26 14.37 14.33	14.21 14.29 14.34 14.38 14.33	14.36 14.31 14.29 14.24	14.50 14.50 14.50 14.50	0 0 0

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				LTE I	Band 7			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
, ,	Frequenc	cy (MHz)		2505	2535	2565	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char	nnel		20800	21100	21400	Tolerance (dBm)	0011 (42)
		1	0	14.38	14.27	14.39	14.50	0
		<u>1</u>	25 49	14.38 14.26	14.28 14.30	14.28 14.39	14.50 14.50	0
	QPSK	25	0	14.20	14.30	14.25	14.50	0
		25	12	14.40	14.40	14.34	14.50	0
		25	25	14.26	14.39	14.24	14.50	0
		50 1	0	14.24 14.35	14.21 14.35	14.21 14.37	14.50 14.50	0
		1	25	14.35	14.33	14.36	14.50	0
		1	49	14.27	14.40	14.30	14.50	0
	16-QAM	25	0	14.33	14.22	14.34	14.50	0
		25	12 25	14.28 14.29	14.34 14.21	14.22 14.37	14.50	0
		25 50	25 0	14.29	14.21	14.37	14.50 14.50	0
10		1	0	14.33	14.37	14.23	14.50	0
		1	25	14.37	14.36	14.33	14.50	0
	04 0444	1	49	14.24	14.22	14.29	14.50	0
	64-QAM	25 25	0 12	14.39 14.39	14.40 14.22	14.40 14.27	14.50 14.50	0
		25	25	14.34	14.22	14.27	14.50	0
		50	0	14.21	14.37	14.23	14.50	0
		1	0	14.40	14.40	14.21	14.50	0
		1	25	14.21	14.33	14.40	14.50	0
	256-QAM	11	49	14.29	14.28	14.38	14.50	0
	256-QAIVI	25 25	0 12	14.21 14.23	14.31 14.24	14.33 14.25	14.50 14.50	0
		25	25	14.37	14.39	14.33	14.50	0
		50	0	14.22	14.26	14.26	14.50	0
	Frequenc	cy (MHz)		2502.5	2535	2567.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		20775	21100	21425	Tolerance (dBm)	3GPP(dB)
		1	0	14.24	14.40	14.26	14.50	0
		11	12	14.28	14.22	14.21	14.50	0
	QPSK	1 12	24 0	14.30 14.36	14.39 14.33	14.31 14.35	14.50 14.50	0
	ς. σιτ	12	6	14.29	14.35	14.25	14.50	0
		12	13	14.40	14.30	14.34	14.50	0
		25	0	14.33	14.22	14.25	14.50	0
		1 1	0 12	14.26 14.28	14.36 14.27	14.33 14.25	14.50 14.50	0
		1	24	14.28	14.27	14.25	14.50	0
	16-QAM	12	0	14.36	14.29	14.21	14.50	0
		12	6	14.28	14.24	14.40	14.50	0
	[12	13	14.39	14.25	14.25	14.50	0
5		25 1	0	14.21	14.32	14.28	14.50	0
		1	12	14.35 14.37	14.34 14.26	14.25 14.24	14.50 14.50	0
		1	24	14.33	14.40	14.27	14.50	0
	64-QAM	12	0	14.33	14.23	14.24	14.50	0
	[12	6	14.35	14.37	14.26	14.50	0
		12	13	14.36	14.38	14.32	14.50	0
		25 1	0	14.36 14.32	14.21 14.33	14.36 14.33	14.50 14.50	0
		1	12	14.36	14.36	14.24	14.50	0
		1	24	14.23	14.37	14.22	14.50	0
	256-QAM	12	0	14.32	14.24	14.25	14.50	0
		12	6	14.23	14.38	14.40	14.50	0
		12	13	14.36	14.37	14.28	14.50 14.50	0
		25	0	14.25	14.29	14.30	14.50	0

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				LTE E	Band 12			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Tourst	
	Frequen	cy (MHz)		704	707.5	711	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		23060	23095	23130	Tolerance (ubili)	
		1	0	20.16	20.18	20.14	20.20	0
		1	25	20.06	20.10	20.09	20.20	0
	QPSK	1	49	20.10	20.12	20.00	20.20	0
	QPSK	25 25	0 12	20.08	20.02	20.07 20.11	20.20 20.20	0
		25	25	20.13	20.03	19.98	20.20	0
		50	0	20.03	20.14	19.98	20.20	0
		1	0	20.07	20.05	19.98	20.20	0
		1	25	20.12	19.96	20.01	20.20	0
		1	49	20.14	20.11	20.05	20.20	0
	16-QAM	25	0	20.06	20.05	20.06	20.20	0
		25	12	19.96	20.05	20.15	20.20	0
		25	25	20.12	20.07	20.15	20.20	0
10		50	0	20.06	20.15	20.14	20.20	0
		1	0 25	20.06 20.05	19.97 20.09	20.15 20.12	20.20	0
		1	49	20.05	20.09	20.12	20.20	0
	64-QAM	25	0	20.13	20.02	20.15	20.20	0
	0. 0	25	12	20.11	20.10	20.13	20.20	0
		25	25	20.13	20.06	20.15	20.20	0
		50	0	20.06	19.99	20.15	20.20	0
		1	0	20.09	20.05	19.96	20.20	0
		1	25	20.01	20.06	20.07	20.20	0
		1	49	20.04	19.98	20.14	20.20	0
	256-QAM	25	0	19.99	20.07	20.08	20.20	0
		25	12	20.14	20.14	20.02	20.20	0
		25	25	19.96	20.14	20.05 19.96	20.20	0
	Frequenc	50 cv (MHz)	0	20.11 701.5	20.01 707.5	713.5	20.20 Target	0
	Cha	* ` '		23035	23095	23155	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
		1	0	20.10	19.98	19.95	20.20	0
		1	12	20.10	20.03	19.95	20.20	0
		1	24	20.00	19.98	19.98	20.20	0
	QPSK	12	0	20.15	20.07	20.09	20.20	0
	•	12	6	20.00	20.10	20.13	20.20	0
		12	13	20.12	20.05	20.01	20.20	0
		25	0	20.09	20.14	20.15	20.20	0
		1	0	20.04	20.00	20.00	20.20	0
		1	12	20.14	20.00	20.06	20.20	0
		1	24	19.98	19.97	20.02	20.20	0
	16-QAM	12	0	20.02	19.97	20.06	20.20	0
		12	6	20.05	19.97	19.97	20.20	0
		12 25	13 0	20.13	19.97 20.14	20.07 20.08	20.20 20.20	0
5		25 1	0	20.08	20.14	20.08	20.20	0
		1	12	19.98	20.08	20.11	20.20	0
		1	24	19.97	20.10	20.02	20.20	0
	64-QAM	12	0	20.05	20.07	20.00	20.20	0
		12	6	20.08	20.01	19.96	20.20	0
		12	13	20.15	20.05	20.03	20.20	0
		25	0	19.96	19.98	19.99	20.20	0
		1	0	20.00	20.03	20.00	20.20	0
		1	12	20.08	20.07	20.04	20.20	0
	250 0444	1	24	20.07	19.99	20.06	20.20	0
	256-QAM	12	0	20.09	20.04	20.14	20.20	0
		12 12	6 13	20.12	20.11	19.96 20.15	20.20	0
		25	0	19.99	20.09	20.15	20.20	0
		20		10.00	20.00	20.00	20.20	J

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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				LTE E	Band 12			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	icted power	(dBm)	_	
	Frequenc	cy (MHz)		700.5	707.5	714.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Cha	nnel		23025	23095	23165	Tolerance (dBm)	
		1	0	20.07	20.05	20.12	20.20	0
		<u>1</u> 1	7 14	20.07	19.99 20.02	20.11 19.98	20.20	0
	QPSK	8	0	20.00	19.96	19.97	20.20	0
		8	4	20.10	20.07	20.01	20.20	0
		8	7	20.13	19.96	19.97	20.20	0
		15	0	19.99	20.12	20.07	20.20	0
		<u>1</u> 1	7	20.04	20.06	20.07 20.05	20.20	0
		1	14	20.13	19.98	19.99	20.20	0
	16-QAM	8	0	20.13	20.14	20.12	20.20	0
		8	4	19.99	19.96	20.09	20.20	0
		8	7	20.10	20.14	19.96	20.20	0
3		15	0	19.97	20.00	20.09	20.20	0
		1 1	7	20.01 19.98	20.12 20.14	20.12 20.13	20.20	0
		1	14	20.08	19.99	20.13	20.20	0
	64-QAM	8	0	20.03	20.08	20.13	20.20	0
		8	4	20.12	20.10	19.98	20.20	0
		8	7	20.14	20.13	20.02	20.20	0
		15	0	20.14	20.03	20.09	20.20	0
		1	0	19.98	19.96	20.02	20.20	0
		1	7	19.98	20.03	20.06	20.20	0
	256-QAM	1 8	14 0	19.99 20.14	20.08	20.11	20.20	0
	250-QAIVI	8	4	19.96	20.13	20.12	20.20	0
		8	7	20.15	20.11	20.00	20.20	0
		15	0	19.99	19.97	19.99	20.20	0
	Frequenc	cy (MHz)		699.7	707.5	715.3	Target Power + Max.	MPR Allowed per
	Cha	nnel		23017	23095	23173	Tolerance (dBm)	3GPP(dB)
		1	0	20.02	20.03	19.97	20.20	0
		1	2	20.12	20.08	20.03	20.20	0
	ODOK	1	5	19.99	20.04	20.06	20.20	0
	QPSK	3	0 2	20.13	20.13	20.03	20.20	0
		3	3	20.12	20.02	20.11	20.20	0
		6	0	20.02	20.13	20.00	20.20	0
		1	0	20.14	20.13	20.15	20.20	0
		1	2	20.08	19.98	20.03	20.20	0
		1	5	20.00	20.14	19.96	20.20	0
	16-QAM	3	0	20.02	20.15	20.07	20.20	0
		3	2	20.14	20.07	20.08	20.20	0
			3	20.06	20.10	20.02	20.20	0
1.4		6 1	0	20.14 19.98	20.03	19.99 19.97	20.20 20.20	0
		1	2	20.04	20.01	19.97	20.20	0
		1	5	19.98	19.97	20.02	20.20	0
	64-QAM	3	0	20.02	20.10	19.97	20.20	0
		3	2	19.97	20.01	20.10	20.20	0
		3	3	20.07	20.00	19.99	20.20	0
<u>_</u>		6	0	20.01	20.00	19.96	20.20	0
		1	0	20.14	20.00	19.99	20.20	0
		- 1		20.06	19.96	20.03	20.20	
		1	2	20.07	20.01	19 97	20.20	Ι Λ
	256-QAM	1	5	20.07	20.01	19.97 20.15	20.20	0
	256-QAM	1 3	5 0	20.07 20.13 20.01	20.03	20.15	20.20	0 0
	256-QAM	1	5	20.13				0

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BW(Mhz) Modulation RB Size RB Offset Conducted power (dBm) Target Power + Max. Tolerance (dBm)					LTE E	Band 13			
Trequency (MHz)	BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
Chame 23230 23230 10eratice (dshr)		Frequenc	cy (MHz)		782	782	782	Power + Max.	
1		Chai	nnel		23230	23230	23230	Tolerance (dBm)	
1			1	0				21.40	0
OPSK									
10		ODCK		_					
10		QF3N							
1									
16-QAM			50	0				21.40	0
16-QAM									
10									
10		16 OAM							
10		10-QAW							
10		ŀ							
1	10	<u> </u>							
A-QAM	10							21.40	
B4-QAM									
Part		04.0444							
25		64-QAM							
SO									
1									
Tequency (MHz) Tequ									
256-QAM			1	25		21.24		21.40	0
Prequency (MHz) Prepare Prepar		[1	49				21.40	0
Frequency (MHz) Frequency (MHz) The power + Max (MHz) The power + Max (MHz) The power + Max (MHz) Tolerance (dBm) Toler		256-QAM							
Frequency (MHz) Tolar Frequency (MHz) Tolar T									
Target									
Channel 23205 23230 23255 Tolerance (dBm) 3GPP(dB) 1		Frequenc		0	779 5		784 5		
PSK 1								Power + Max.	
PSK 1			1	0	21.32	21 22	21.31	21 40	0
PSK									
12 6 21.17 21.19 21.22 21.40 0 12 13 21.23 21.21 21.20 21.40 0 25 0 21.10 21.05 21.16 21.40 0 1 1 0 21.13 21.21 21.06 21.40 0 1 1 12 21.23 21.15 21.17 21.40 0 1 1 24 21.15 21.23 21.17 21.40 0 12 6 21.10 21.18 21.16 21.40 0 12 13 21.17 21.16 21.21 21.00 0 12 13 21.17 21.16 21.21 21.00 0 12 13 21.17 21.16 21.21 21.00 0 12 13 21.17 21.16 21.21 21.00 0 12 13 21.17 21.16 21.21 21.40 0 12 13 21.17 21.16 21.21 21.40 0 12 13 21.17 21.16 21.21 21.40 0 12 25 0 21.23 21.14 21.06 21.40 0 11 12 4 21.06 21.18 21.13 21.40 0 11 12 4 21.06 21.18 21.13 21.40 0 11 24 21.06 21.18 21.13 21.40 0 11 24 21.06 21.18 21.13 21.40 0 12 6 21.20 21.11 21.22 21.40 0 12 13 21.04 21.16 21.22 21.40 0 12 13 21.04 21.16 21.29 21.40 0 12 12 13 21.04 21.16 21.20 21.40 0 12 25 0 21.21 21.08 21.09 21.40 0 12 12 13 21.04 21.16 21.20 21.40 0 12 25 0 21.04 21.15 21.19 21.40 0 11 22 21.11 21.05 21.21 21.40 0 25 0 21.04 21.15 21.19 21.40 0 25 0 21.04 21.15 21.19 21.40 0 25 0 21.04 21.15 21.19 21.40 0 25 0 21.04 21.15 21.21 21.23 21.40 0 25 0 21.04 21.15 21.21 21.20 0 25 0 21.04 21.15 21.21 21.40 0 25 0 21.04 21.15 21.19 21.40 0 25 0 21.04 21.15 21.19 21.40 0 26 0 21.04 21.21 21.23 21.40 0 27 0 21.21 21.06 21.18 21.21 21.40 0 28 0 21.21 21.21 21.22 21.40 0 29 0 21.21 21.20 21.21 21.40 0 20 0 21.21 21.20 21.21 21.40 0 20 0 21.21 21.20 21.21 21.40 0 20 0 21.21 21.20 21.21 21.40 0 21 0 21.21 21.06 21.18 21.09 21.40 0									
12 13 21.23 21.21 21.20 21.40 0 25 0 21.10 21.05 21.16 21.40 0 1 0 21.13 21.21 21.06 21.40 0 1 1 12 21.23 21.15 21.17 21.40 0 1 1 24 21.15 21.23 21.17 21.40 0 12 6 21.10 21.18 21.16 21.40 0 12 13 21.17 21.16 21.21 21.40 0 12 13 21.17 21.16 21.21 21.40 0 12 25 0 21.23 21.17 21.40 0 25 0 21.23 21.17 21.40 0 1 1 0 21.23 21.15 21.21 21.40 0 1 1 0 21.23 21.16 21.21 21.40 0 1 1 0 21.23 21.17 21.16 21.21 00 0 1 1 0 21.23 21.15 21.04 21.40 0 1 1 1 2 21.08 21.17 21.06 21.40 0 1 1 24 21.06 21.18 21.13 21.40 0 1 1 24 21.06 21.18 21.13 21.40 0 1 1 2 0 21.21 21.08 21.09 21.40 0 1 1 2 13 21.04 21.16 21.09 21.40 0 1 2 12 13 21.04 21.16 21.09 21.40 0 1 2 12 13 21.04 21.16 21.09 21.40 0 1 2 12 13 21.04 21.15 21.19 21.40 0 1 2 25 0 21.04 21.15 21.19 21.40 0 1 2 25 0 21.04 21.15 21.19 21.40 0 25 0 21.04 21.15 21.19 21.40 0 25 0 21.04 21.15 21.19 21.40 0 25 0 21.04 21.15 21.21 21.20 0 25 0 21.04 21.15 21.21 21.20 0 25 0 21.04 21.15 21.21 21.40 0 25 0 21.04 21.15 21.19 21.40 0 25 0 21.04 21.15 21.19 21.40 0 25 0 21.04 21.15 21.21 21.40 0 25 0 21.04 21.21 21.23 21.40 0 26 0 21.21 21.21 21.23 21.40 0 27 0 21.21 21.21 21.23 21.40 0 28 0 21.21 21.21 21.20 0 29 0 21.21 21.21 21.20 0 20 21.21 21.20 0 21.21 21.20 0 21.21 21.20 0 21.21 21.20 0 21.21 21.20 0 21.21 21.20 0 21.21 21.20 0 21.21 21.20 0 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0 21.21 21.21 21.40 0		QPSK							
16-QAM									
1 0 21.13 21.21 21.06 21.40 0 1 12 21.23 21.15 21.17 21.40 0 1 24 21.15 21.23 21.17 21.40 0 1 2 0 21.12 21.05 21.13 21.40 0 1 2 6 21.10 21.18 21.16 21.21 21.40 0 1 2 13 21.17 21.16 21.21 21.40 0 1 2 25 0 21.23 21.14 21.06 21.40 0 1 1 2 21.08 21.17 21.06 21.40 0 1 1 2 21.08 21.17 21.06 21.40 0 1 2 21.08 21.17 21.06 21.40 0 1 2 21.08 21.17 21.06 21.40 0 1 2 21.08 21.17 21.06 21.40 0 1 2 21.08 21.17 21.06 21.40 0 1 2 21.08 21.17 21.06 21.40 0 1 2 21.08 21.17 21.06 21.40 0 1 2 21.08 21.17 21.06 21.40 0 1 2 21.08 21.17 21.06 21.40 0 1 2 21.08 21.17 21.06 21.40 0 1 2 21.11 21.08 21.09 21.40 0 1 2 21.11 21.08 21.09 21.40 0 1 2 21.11 21.08 21.19 21.40 0 1 2 25 0 21.04 21.15 21.19 21.40 0 1 2 21.11 21.05 21.21 21.40 0 2 25 0 21.04 21.15 21.19 21.40 0 2 25 0 21.04 21.15 21.19 21.40 0 2 25 0 21.04 21.15 21.19 21.40 0 2 25 0 21.04 21.15 21.19 21.40 0 2 25 0 21.04 21.15 21.19 21.40 0 2 25 0 21.04 21.15 21.19 21.40 0 2 25 0 21.04 21.15 21.19 21.40 0 2 25 0 21.04 21.15 21.19 21.40 0 2 25 0 21.04 21.15 21.19 21.40 0 2 25 0 21.04 21.15 21.21 21.23 21.40 0 2 25 0 21.04 21.12 21.06 21.18 21.00 0 2 25 0 21.04 21.12 21.06 21.18 21.00 0 2 25 0 21.04 21.23 21.21 21.40 0 2 25 0 21.04 21.23 21.21 21.40 0 2 25 0 21.04 21.23 21.21 21.40 0 2 25 0 21.04 21.23 21.12 21.40 0 2 25 0 21.04 21.23 21.12 21.40 0 2 25 0 21.04 21.23 21.12 21.40 0 2 25 0 21.04 21.23 21.12 21.40 0 2 25 0 21.04 21.23 21.12 21.40 0 2 25 0 21.04 21.23 21.12 21.40 0 2 25 0 21.04 21.23 21.12 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.00 21.40 0 2 25 0 21.21 21.21 21.20 21.40 0 2 25 0 21.21 21.21 21.20 21.40 0 2 25 0 21.21 21.21 21.20 21.40 0 2 25 0 21.21 21.20 21.40 0 2 25 0 21.21 21.20 21.40 0 2 25 0 21.21 21.20 21.40 0 2 25 0 21.21 21.20 21.20 21.40 0 2 25 0 21.21 21.20 21.20 21.20 21.40 0 2									
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16-QAM									
5		16-QAM	12				21.13	21.40	
5									
1 0 21.23 21.15 21.04 21.40 0 1 12 21.08 21.17 21.06 21.40 0 1 24 21.06 21.18 21.13 21.40 0 12 0 21.21 21.08 21.09 21.40 0 12 6 21.20 21.11 21.22 21.40 0 12 13 21.04 21.16 21.06 21.40 0 12 13 21.04 21.16 21.06 21.40 0 12 13 21.04 21.15 21.19 21.40 0 11 0 21.19 21.21 21.23 21.40 0 11 12 21.11 21.05 21.21 21.40 0 11 24 21.12 21.06 21.18 21.40 0 11 24 21.12 21.06 21.18 21.40 0 12 6 21.04 21.23 21.10 0 12 6 21.04 21.23 21.10 0 12 6 21.04 21.23 21.10 0 12 6 21.04 21.23 21.10 0 12 13 21.07 21.18 21.09 21.40 0		[
64-QAM 12 21.08 21.17 21.06 21.40 0 1 24 21.06 21.18 21.13 21.40 0 12 0 21.21 21.08 21.09 21.40 0 12 6 21.20 21.11 21.22 21.40 0 12 13 21.04 21.16 21.06 21.40 0 12 13 21.04 21.16 21.06 21.40 0 14 12 13 21.04 21.15 21.19 21.40 0 15 0 21.04 21.15 21.19 21.40 0 16 1 1 12 21.11 21.05 21.21 21.40 0 17 1 12 21.11 21.05 21.21 21.40 0 18 256-QAM 12 0 21.21 21.06 21.40 0 19 256-QAM 12 0 21.21 21.06 21.40 0 10 21.21 21.06 21.07 21.40 0 11 2 6 21.04 21.23 21.40 0 12 6 21.04 21.23 21.12 21.40 0 12 6 21.04 21.23 21.12 21.40 0 12 12 13 21.07 21.18 21.09 21.40 0	5	 							
64-QAM									
64-QAM 12 0 21.21 21.08 21.09 21.40 0 1 12 6 21.20 21.11 21.22 21.40 0 1 12 13 21.04 21.16 21.06 21.40 0 0 1 12 13 21.04 21.16 21.06 21.40 0 0 1 12 13 21.04 21.15 21.19 21.40 0 0 1 1 1 12 21.11 21.05 21.21 21.40 0 0 1 1 12 21.11 21.05 21.21 21.40 0 0 1 1 24 21.12 21.06 21.18 21.40 0 0 1 1 2 0 21.21 21.06 21.07 21.40 0 1 1 2 6 21.04 21.23 21.40 0 0 1 1 2 6 21.04 21.23 21.12 21.40 0 0 1 1 2 6 21.04 21.23 21.12 21.40 0 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 0 1 1 2 13 21.07 21.18 21.09 21.40 0 0 1 1 2 13 21.07 21.18 21.09 21.40 0 0 1 1 2 13 21.07 21.18 21.09 21.40 0 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 1 1 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2			•						
12 6 21.20 21.11 21.22 21.40 0 12 13 21.04 21.16 21.06 21.40 0 25 0 21.04 21.15 21.19 21.40 0 1 0 21.19 21.21 21.23 21.40 0 1 12 21.11 21.05 21.21 21.40 0 1 1 24 21.12 21.06 21.18 21.40 0 256-QAM 12 0 21.21 21.06 21.18 21.40 0 12 6 21.04 21.23 21.12 21.40 0 12 13 21.07 21.18 21.09 21.40 0		64-QAM							
12 13 21.04 21.16 21.06 21.40 0 25 0 21.04 21.15 21.19 21.40 0 1 0 21.19 21.21 21.23 21.40 0 1 12 21.11 21.05 21.21 21.40 0 1 24 21.12 21.06 21.18 21.40 0 256-QAM 12 0 21.21 21.06 21.18 21.40 0 12 6 21.04 21.23 21.12 21.40 0 12 13 21.07 21.18 21.09 21.40 0									
256-QAM 12 0 21.19 21.21 21.23 21.40 0 1 1 12 21.11 21.05 21.21 21.40 0 0 1 1 24 21.12 21.06 21.18 21.40 0 0 1 1 2 0 21.21 21.06 21.07 21.40 0 1 1 2 6 21.04 21.23 21.12 21.40 0 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0 0 1 1 2 1 3 21.07 21.18 21.09 21.40 0									
1 12 21.11 21.05 21.21 21.40 0 1 24 21.12 21.06 21.18 21.40 0 12 0 21.21 21.06 21.07 21.40 0 12 6 21.04 21.23 21.12 21.40 0 12 13 21.07 21.18 21.09 21.40 0									
256-QAM 12 0 21.12 21.06 21.18 21.40 0 1 12 0 21.21 21.06 21.07 21.40 0 1 12 6 21.04 21.23 21.12 21.40 0 1 12 13 21.07 21.18 21.09 21.40 0		7							
256-QAM 12 0 21.21 21.06 21.07 21.40 0 12 6 21.04 21.23 21.12 21.40 0 12 13 21.07 21.18 21.09 21.40 0									
12 6 21.04 21.23 21.12 21.40 0 12 13 21.07 21.18 21.09 21.40 0		256-044							
12 13 21.07 21.18 21.09 21.40 0		200-QAIVI							
					21.12	21.04	21.23	21.40	

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				LTE E	Band 14			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	icted power	(dBm)		
	Frequenc	cy (MHz)		793	793	793	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai	nnel		23330	23330	23330	Tolerance (dBm)	, ,
		1	0		21.68		21.80	0
		1	25		21.52		21.80	0
	QPSK	1 25	49 0	21.55			21.80 21.80	0
	QF3N	25 25	12	21.62 21.61			21.80	0
		25	25		21.57		21.80	0
		50	0	21.64			21.80	0
		1	0		21.50		21.80	0
		1	25		21.60		21.80	0
	16-QAM	1 25	49 0		21.63 21.63		21.80 21.80	0
	10-QAW	25	12		21.56		21.80	0
	-	25	25		21.47		21.80	0
10		50	0		21.62		21.80	0
10		1	0		21.66		21.80	0
	[1	25		21.60		21.80	0
		1	49		21.62		21.80	0
	64-QAM	25	0		21.59		21.80	0
		25 25	12 25		21.64 21.53		21.80 21.80	0
		50	0		21.53		21.80	0
		1	0	21.62			21.80	0
		1	25		21.65		21.80	0
		1	49		21.63		21.80	0
	256-QAM	25	0		21.66		21.80	0
		25	12		21.58		21.80	0
		25 50	25 0		21.65 21.65		21.80	0
	Frequenc		U	790.5	793	795.5	21.80 Target	
	Char			23305	23330	23355	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
		1	0	21.54	21.48	21.65	21.80	0
		1	12	21.48	21.52	21.58	21.80	0
		1	24	21.53	21.61	21.56	21.80	0
	QPSK	12	0	21.55	21.67	21.54	21.80	0
	[12	6	21.57	21.64	21.62	21.80	0
		12	13	21.65	21.71	21.56	21.80	0
		25 1	0	21.70 21.66	21.67 21.68	21.69 21.66	21.80 21.80	0
		1	12	21.70	21.53	21.66	21.80	0
		1	24	21.57	21.65	21.55	21.80	0
	16-QAM	12	0	21.62	21.61	21.62	21.80	0
		12	6	21.55	21.59	21.52	21.80	0
	[12	13	21.57	21.62	21.70	21.80	0
			0	24.62	21.59	21.57	21.80	0
5		25		21.63				
5		1	0	21.59	21.57	21.61	21.80	0
5		1	0 12	21.59 21.54	21.57 21.71	21.61 21.66	21.80 21.80	0
5	64-QAM	1	0	21.59	21.57 21.71 21.66	21.61	21.80	
5	64-QAM	1 1 1	0 12 24	21.59 21.54 21.54	21.57 21.71	21.61 21.66 21.69	21.80 21.80 21.80	0
5	64-QAM	1 1 1 12 12 12	0 12 24 0 6 13	21.59 21.54 21.54 21.60 21.59 21.58	21.57 21.71 21.66 21.53 21.61 21.68	21.61 21.66 21.69 21.66 21.56 21.68	21.80 21.80 21.80 21.80 21.80 21.80	0 0 0 0
5	64-QAM	1 1 1 12 12 12 12 25	0 12 24 0 6 13	21.59 21.54 21.54 21.60 21.59 21.58 21.67	21.57 21.71 21.66 21.53 21.61 21.68 21.68	21.61 21.66 21.69 21.66 21.56 21.58	21.80 21.80 21.80 21.80 21.80 21.80 21.80	0 0 0 0 0
5	64-QAM	1 1 1 12 12 12 12 25 1	0 12 24 0 6 13 0	21.59 21.54 21.54 21.60 21.59 21.58 21.67 21.59	21.57 21.71 21.66 21.53 21.61 21.68 21.68 21.54	21.61 21.66 21.69 21.66 21.56 21.58 21.58 21.53	21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80	0 0 0 0 0 0
5	64-QAM	1 1 1 12 12 12 12 25 1	0 12 24 0 6 13 0	21.59 21.54 21.54 21.60 21.59 21.58 21.67 21.59 21.55	21.57 21.71 21.66 21.53 21.61 21.68 21.68 21.54 21.59	21.61 21.66 21.69 21.66 21.56 21.58 21.58 21.53 21.59	21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80	0 0 0 0 0 0 0
5		1 1 1 12 12 12 12 25 1 1	0 12 24 0 6 13 0 0	21.59 21.54 21.54 21.60 21.59 21.58 21.67 21.59 21.55 21.55	21.57 21.71 21.66 21.53 21.61 21.68 21.68 21.54 21.59 21.57	21.61 21.66 21.69 21.66 21.56 21.58 21.58 21.53 21.59 21.67	21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80	0 0 0 0 0 0 0 0
5	64-QAM 256-QAM	1 1 1 12 12 12 12 25 1 1 1 1	0 12 24 0 6 13 0 0 12 24 0	21.59 21.54 21.54 21.60 21.59 21.67 21.59 21.55 21.55 21.58 21.61	21.57 21.71 21.66 21.53 21.61 21.68 21.68 21.54 21.59 21.57 21.69	21.61 21.66 21.69 21.66 21.56 21.58 21.53 21.59 21.67 21.56	21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80	0 0 0 0 0 0 0 0 0
5		1 1 1 12 12 12 12 25 1 1	0 12 24 0 6 13 0 0	21.59 21.54 21.54 21.60 21.59 21.58 21.67 21.59 21.55 21.55	21.57 21.71 21.66 21.53 21.61 21.68 21.68 21.54 21.59 21.57	21.61 21.66 21.69 21.66 21.56 21.58 21.58 21.53 21.59 21.67	21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80	0 0 0 0 0 0 0 0

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				LTE E	Band 17			
BW(Mhz)	Modulation	RB Size	RB Offset	Condi	ucted power	(dRm)		
DVV (IVIIIZ)			KB Oliset			<u> </u>	Target	MPR Allowed per
	Frequenc			709	710	711	Power + Max. Tolerance (dBm)	3GPP(dB)
	Chai		1 -	23780	23790	23800		
		<u>1</u> 1	0 25	20.89	20.90	20.87	21.00 21.00	0
		1	49	20.67	20.67	20.76	21.00	0
	QPSK	25	0	20.75	20.71	20.73	21.00	0
		25	12	20.85	20.70	20.72	21.00	0
		25	25	20.76	20.72	20.78	21.00	0
		50	0	20.73 20.85	20.82	20.67	21.00 21.00	0
		<u>1</u>	0 25	20.65	20.85	20.70	21.00	0
		1	49	20.70	20.66	20.77	21.00	0
	16-QAM	25	0	20.76	20.68	20.72	21.00	0
		25	12	20.83	20.77	20.79	21.00	0
		25	25	20.73	20.83	20.67	21.00	0
10		50	0	20.78	20.82	20.70	21.00	0
		1	0	20.81	20.67	20.72	21.00	0
		1	25	20.79	20.79	20.77	21.00 21.00	0
	64-QAM	25	49 0	20.83 20.84	20.83 20.84	20.73	21.00	0
	04-QAIVI	25	12	20.64	20.64	20.67	21.00	0
	l 1	25	25	20.69	20.66	20.66	21.00	0
		50	0	20.83	20.79	20.79	21.00	0
		1	0	20.68	20.71	20.82	21.00	0
	l [1	25	20.80	20.75	20.78	21.00	0
	[1	49	20.77	20.79	20.77	21.00	0
	256-QAM	25	0	20.71	20.77	20.75	21.00	0
		25	12	20.78	20.73	20.85	21.00	0
		25 50	25 0	20.69 20.71	20.76 20.74	20.81	21.00 21.00	0
	Frequenc			706.5	710	713.5	Target	0
	Chai	, , ,		23755	23790	23825	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	T I						, ,	0
		<u>1</u> 1	0 12	20.83	20.78	20.77	21.00	0
		1	24	20.69	20.79	20.70 20.70	21.00 21.00	0
	QPSK	12	0	20.79	20.80	20.79	21.00	0
	~. 5.\	12	6	20.79	20.76	20.73	21.00	0
]	12	13	20.81	20.70	20.77	21.00	0
		25	0	20.68	20.67	20.85	21.00	0
		1	0	20.79	20.82	20.80	21.00	0
		1	12	20.68	20.68	20.81	21.00	0
	10011	1 12	24	20.66	20.69	20.68	21.00	0
	16-QAM	12 12	6	20.77 20.69	20.66	20.69	21.00	0
		12	13	20.89	20.76	20.83	21.00 21.00	0
_		25	0	20.80	20.84	20.82	21.00	0
5		1	0	20.68	20.75	20.70	21.00	0
		1	12	20.75	20.77	20.76	21.00	0
		1	24	20.79	20.75	20.71	21.00	0
	64-QAM	12	0	20.76	20.85	20.68	21.00	0
	[12	6	20.78	20.68	20.68	21.00	0
		12	13	20.81	20.71	20.75	21.00	0
		25	0	20.76	20.72	20.68	21.00	0
		<u>1</u>	0 12	20.81	20.80	20.68	21.00 21.00	0
		1	24	20.74	20.71	20.75 20.74	21.00	0
	256-QAM	12	0	20.75	20.83	20.66	21.00	0
		12	6	20.81	20.73	20.85	21.00	0
		12	13	20.84	20.67	20.75	21.00	0
I		25	0	20.71	20.76	20.68	21.00	0

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				LTE F	Band 25			
BW(Mhz)	Modulation	RB Size	RB Offset		ucted power	(dRm)		
DVV (IVII 12)	Frequence		IND Oliset	1860	1882.5	1905	Target Power + Max.	MPR Allowed per
	Chai			26140	26365	26590	Tolerance (dBm)	3GPP(dB)
	<u> </u>	1	0	15.95	15.92	15.90	16.10	0
		1	50	15.78	15.73	15.85	16.10	0
		1	99	15.82	15.86	15.78	16.10	0
	QPSK	50	0	15.87	15.87	15.79	16.10	0
		50 50	25 50	15.86 15.83	15.86 15.81	15.73 15.73	16.10 16.10	0
		100	0	15.82	15.87	15.77	16.10	0
		1	0	15.85	15.72	15.85	16.10	0
	[1	50	15.86	15.81	15.70	16.10	0
	l . l	1	99	15.84	15.82	15.72	16.10	0
	16-QAM	50	0	15.76	15.72	15.73	16.10	0
		50 50	25 50	15.83 15.77	15.77 15.83	15.70 15.81	16.10 16.10	0
		100	0	15.85	15.84	15.79	16.10	0
20		1	0	15.74	15.73	15.72	16.10	0
		1	50	15.73	15.87	15.74	16.10	0
	l [1	99	15.79	15.71	15.69	16.10	0
	64-QAM	50	0	15.78	15.81	15.79	16.10	0
		50	25	15.86	15.75	15.73	16.10	0
		50 100	50	15.83 15.87	15.84	15.75 15.76	16.10 16.10	0
		1	0	15.77	15.85 15.88	15.76	16.10	0
		1	50	15.87	15.73	15.79	16.10	0
		1	99	15.85	15.86	15.84	16.10	0
	256-QAM	50	0	15.73	15.71	15.70	16.10	0
	l [50	25	15.83	15.80	15.74	16.10	0
	[50	50	15.73	15.85	15.71	16.10	0
		100	0	15.70	15.76	15.80	16.10	0
	Frequenc	cy (MHz)		1857.5	1882.5	1907.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai			26115	26365	26615	Tolerance (dBm)	. ,
		1	0	15.85	15.85	15.88	16.10	0
		1 1	36	15.74	15.83	15.83	16.10	0
	QPSK	1 36	74 0	15.75 15.72	15.72 15.79	15.70 15.84	16.10 16.10	0
	Q. O.	36	18	15.72	15.79	15.86	16.10	0
		36	37	15.80	15.69	15.82	16.10	0
		75	0	15.88	15.82	15.86	16.10	0
		1	0	15.81	15.83	15.78	16.10	0
		1	36	15.82	15.84	15.82	16.10	0
	16-QAM	1 36	74 0	15.86 15.78	15.79 15.85	15.70 15.83	16.10 16.10	0
	10-QAW	36	18	15.78	15.85	15.83	16.10	0
		36	37	15.77	15.79	15.74	16.10	0
1-		75	0	15.69	15.81	15.81	16.10	0
15		1	0	15.83	15.74	15.81	16.10	0
		1	36	15.72	15.88	15.75	16.10	0
		1	74	15.84	15.78	15.84	16.10	0
	64-QAM	36	0	15.81	15.82	15.79	16.10	0
		36	18	15.81	15.73	15.75	16.10	0
		36 75	37 0	15.78 15.84	15.74 15.86	15.74 15.83	16.10 16.10	0
				10.04				
			0	15.72	15 80	15 /2	16 10	()
		1	0 36	15.72 15.81	15.80 15.75	15.72 15.69	16.10 16.10	0
		1	0 36 74	15.72 15.81 15.69	15.80 15.75 15.69	15.72 15.69 15.86	16.10	0
	256-QAM	1 1	36	15.81	15.75	15.69		0
	256-QAM	1 1 1	36 74 0 18	15.81 15.69 15.80 15.83	15.75 15.69	15.69 15.86 15.83 15.82	16.10 16.10 16.10 16.10	0 0 0
	256-QAM	1 1 1 36	36 74 0	15.81 15.69 15.80	15.75 15.69 15.70	15.69 15.86 15.83	16.10 16.10 16.10	0 0 0

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				LTE E	Band 25			
BW(Mhz)	Modulation	RB Size	RB Offset		ucted power	(dRm)		
DVV (IVII12)			RB Ollset			<u> </u>	Target	MPR Allowed per
	Frequenc	cy (MHz)		1855	1882.5	1910	Power + Max. Tolerance (dBm)	3GPP(dB)
	Char	nnel		26090	26365	26640	, ,	
		1	0 25	15.76 15.80	15.80	15.85 15.75	16.10 16.10	0
		1	49	15.75	15.70 15.78	15.75	16.10	0
	QPSK	25	0	15.84	15.81	15.77	16.10	0
		25 25	12 25	15.85	15.76 15.84	15.70 15.71	16.10	0
		50	0	15.82 15.79	15.69	15.71	16.10 16.10	0
		1	0	15.73	15.84	15.70	16.10	0
	[1	25	15.79	15.81	15.84	16.10	0
	16-QAM	1 25	49 0	15.71 15.85	15.87 15.76	15.79 15.69	16.10 16.10	0
	10-QAW	25	12	15.74	15.76	15.71	16.10	0
		25	25	15.73	15.71	15.85	16.10	0
10		50	0	15.84	15.71	15.71	16.10	0
"		1 1	0 25	15.79	15.71	15.88 15.86	16.10	0
		<u>1</u> 1	49	15.86 15.77	15.70 15.74	15.86	16.10 16.10	0
	64-QAM	25	0	15.71	15.71	15.84	16.10	0
	[25	12	15.72	15.75	15.88	16.10	0
		25	25	15.79	15.78 15.78	15.74	16.10	0
		50 1	0	15.77 15.79	15.78	15.84 15.80	16.10 16.10	0
		1	25	15.71	15.72	15.74	16.10	0
		1	49	15.79	15.79	15.77	16.10	0
	256-QAM	25	0	15.71	15.82	15.77	16.10	0
		25 25	12 25	15.88 15.85	15.75 15.88	15.76 15.83	16.10 16.10	0
		50	0	15.80	15.73	15.70	16.10	0
	Frequenc	cy (MHz)		1852.5	1882.5	1912.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		26065	26365	26665	Tolerance (dBm)	3GPP(dB)
		1	0	15.76	15.86	15.83	16.10	0
		<u>1</u>	12 24	15.81	15.86	15.83	16.10	0
	QPSK	12	0	15.78 15.83	15.83 15.84	15.78 15.75	16.10 16.10	0
		12	6	15.83	15.72	15.88	16.10	0
	[12	13	15.71	15.88	15.80	16.10	0
		25 1	0	15.74 15.86	15.78 15.73	15.72 15.69	16.10 16.10	0
		1	12	15.86	15.73	15.88	16.10	0
		1	24	15.77	15.79	15.70	16.10	0
	16-QAM	12	0	15.74	15.69	15.69	16.10	0
		12	6	15.73	15.83	15.82	16.10	0
		12 25	13 0	15.79 15.71	15.79 15.83	15.75 15.74	16.10 16.10	0
5		1	0	15.88	15.81	15.83	16.10	0
		1	12	15.76	15.83	15.70	16.10	0
	64 0 44	1 12	24	15.71	15.76	15.79	16.10	0
	64-QAM	12 12	6	15.87 15.87	15.78 15.73	15.80 15.69	16.10 16.10	0
		12	13	15.84	15.88	15.84	16.10	0
		25	0	15.72	15.75	15.71	16.10	0
		11	0	15.80	15.80	15.71	16.10	0
		1	12 24	15.86 15.69	15.74 15.69	15.80 15.77	16.10 16.10	0
	256-QAM	12	0	15.76	15.84	15.77	16.10	0
		12	6	15.74	15.69	15.85	16.10	0
] [12	13	15.77	15.88	15.74	16.10	0
<u> </u>		25	0	15.85	15.81	15.76	16.10	0

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	1							
				LTE E	Band 25			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Tavast	
	Frequenc	cy (MHz)		1851.5	1882.5	1913.5	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		26055	26365	26675		
		1	0	15.81	15.87	15.78	16.10	0
		11	7	15.77	15.77	15.78	16.10	0
	QPSK	1	14	15.79	15.79	15.74	16.10	0
	QP5K	<u>8</u> 8	0 4	15.73 15.74	15.71 15.74	15.83 15.82	16.10 16.10	0
		8	7	15.74	15.74	15.71	16.10	0
		15	0	15.82	15.76	15.83	16.10	0
		1	0	15.84	15.87	15.83	16.10	0
	[1	7	15.81	15.77	15.74	16.10	0
		1	14	15.79	15.74	15.78	16.10	0
	16-QAM	8	0	15.79	15.85	15.72	16.10	0
		8	4	15.75	15.77	15.84	16.10	0
		8 15	7	15.77 15.71	15.82 15.75	15.84 15.81	16.10 16.10	0
3		15	0	15.71	15.75	15.87	16.10	0
		1	7	15.72	15.79	15.79	16.10	0
		1	14	15.83	15.78	15.70	16.10	0
	64-QAM	8	0	15.72	15.69	15.84	16.10	0
		8	4	15.75	15.88	15.86	16.10	0
		8	7	15.79	15.80	15.79	16.10	0
		15	0	15.83	15.79	15.82	16.10	0
		11	0	15.78	15.84	15.71	16.10	0
		1	7	15.85	15.83	15.80	16.10	0
	256-QAM	<u>1</u> 8	14	15.72	15.80	15.83	16.10	0
	256-QAIVI	8	0 4	15.85 15.75	15.76 15.79	15.69 15.85	16.10 16.10	0
		8	7	15.75	15.79	15.87	16.10	0
		15	0	15.88	15.86	15.78	16.10	0
	Frequenc	cy (MHz)		1850.7	1882.5	1914.3	Target	MPR Allowed per
	Char	nnel		26047	26365	26683	Power + Max. Tolerance (dBm)	3GPP(dB)
		1	0	15.69	15.86	15.70	16.10	0
		1	2	15.76	15.74	15.83	16.10	0
		1	5	15.71	15.82	15.71	16.10	0
	QPSK	3	0	15.85	15.84	15.81	16.10	0
		3	3	15.81	15.80	15.88 15.71	16.10 16.10	0
		6	0	15.69 15.83	15.88 15.75	15.71	16.10	0
		1	0	15.76	15.73	15.72	16.10	0
		1	2	15.69	15.84	15.80	16.10	0
		1	5	15.71	15.73	15.76	16.10	0
	16-QAM	3	0	15.73	15.80	15.81	16.10	0
	[3	2	15.75	15.83	15.79	16.10	0
		3	3	15.82	15.86	15.69	16.10	0
1.4		6	0	15.82	15.77	15.75	16.10	0
		1	0	15.81	15.81	15.83	16.10	0
		1	2 5	15.83 15.78	15.86 15.70	15.78 15.69	16.10 16.10	0
	64-QAM	3	0	15.76	15.70	15.74	16.10	0
	J. 30, 1111	3	2	15.76	15.73	15.77	16.10	0
		3	3	15.80	15.77	15.82	16.10	0
		6	0	15.74	15.72	15.78	16.10	0
		1	0	15.83	15.79	15.74	16.10	0
	[1	2	15.82	15.84	15.71	16.10	0
		11	5	15.82	15.86	15.78	16.10	0
	256-QAM	3	0	15.80	15.75	15.74	16.10	0
		3	2	15.83	15.88	15.79	16.10	0
		3	3	15.88	15.77	15.70	16.10	0
1		6	0	15.85	15.86	15.77	16.10	0

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				LTE E	Band 26			
BW(Mhz)	Modulation	RB Size	RB Offset		ucted power	(dRm)		
DVV(IVIIIZ)			RB Oliset			<u> </u>	Target	MPR Allowed per
	Frequenc	y (MHz)		821.5	831.5	841.5	Power + Max. Tolerance (dBm)	3GPP(dB)
	Char	nnel		26765	26865	26965		
		1 1	0 36	21.90 21.69	21.87 21.80	21.85 21.68	22.00 22.00	0
		1	74	21.69	21.82	21.77	22.00	0
	QPSK	36	0	20.73	20.70	20.75	21.00	0-1
		36	18	20.78	20.69	20.72	21.00	0-1
		36 75	37 0	20.73 20.78	20.67	20.71	21.00 21.00	0-1 0-1
		1	0	20.76	20.70	20.73	21.00	0-1
		1	36	20.73	20.70	20.72	21.00	0-1
	l [11	74	20.74	20.85	20.85	21.00	0-1
	16-QAM	36	0 18	19.67	19.68	19.82	20.00	0-2
	l	36 36	37	19.75 19.81	19.71 19.82	19.73 19.73	20.00	0-2 0-2
1 45		75	0	19.83	19.81	19.72	20.00	0-2
15		1	0	19.68	19.74	19.73	20.00	0-2
		1	36	19.75	19.71	19.85	20.00	0-2
	64-QAM	1 00	74	19.83	19.77	19.84	20.00	0-2
	64-QAM	36 36	0 18	18.84 18.84	18.70 18.67	18.79 18.77	19.00 19.00	0-3 0-3
	l 1	36	37	18.78	18.69	18.77	19.00	0-3
		75	0	18.67	18.84	18.85	19.00	0-3
		1	0	16.86	16.74	16.74	17.00	0-5
		1	36	16.80	16.78	16.68	17.00	0-5
	256-QAM	1 00	74	16.72	16.72	16.71	17.00	0-5
	256-QAIVI	36 36	0 18	16.80 16.69	16.73 16.85	16.76 16.69	17.00 17.00	0-5 0-5
		36	37	16.81	16.80	16.80	17.00	0-5
		75	0	16.81	16.82	16.72	17.00	0-5
	Frequenc	y (MHz)		819	831.5	844	Target Power + Max.	MPR Allowed per
	Char	nnel		26740	26865	26990	Tolerance (dBm)	3GPP(dB)
		1	0	21.79	21.74	21.77	22.00	0
	[1	25	21.83	21.75	21.71	22.00	0
	OPOK	1	49	21.68	21.73	21.83	22.00	0
	QPSK	25 25	0 12	20.82	20.83	20.81	21.00 21.00	0-1 0-1
		25	25	20.70	20.70	20.83	21.00	0-1
		50	0	20.74	20.84	20.71	21.00	0-1
		1	0	20.77	20.78	20.67	21.00	0-1
		1	25	20.69	20.76	20.84	21.00	0-1
	16-QAM	1 25	49 0	20.70	20.75 19.85	20.72	21.00	0-1
	10-QAW	25 25	12	19.70 19.75	19.85	19.86 19.78	20.00	0-2 0-2
		25	25	19.70	19.77	19.76	20.00	0-2
10	L	50	0	19.68	19.78	19.85	20.00	0-2
10		1	0	19.74	19.78	19.78	20.00	0-2
		1	25	19.77	19.71	19.75	20.00	0-2
	64-QAM	1 25	49 0	19.80	19.68	19.85	20.00 19.00	0-2
	U4-QAIVI	25 25	12	18.74 18.77	18.78 18.84	18.77 18.78	19.00	0-3 0-3
		25	25	18.80	18.75	18.85	19.00	0-3
		50	0	18.75	18.69	18.73	19.00	0-3
		1	0	16.83	16.73	16.75	17.00	0-5
		1	25	16.78	16.81	16.82	17.00	0-5
	256-QAM	1 25	49 0	16.84 16.85	16.75 16.67	16.73 16.78	17.00 17.00	0-5 0-5
	230-QAIVI	25	12	16.81	16.70	16.76	17.00	0-5
1					16.72	16.68	17.00	0-5
		25	25	16.86	10.72	10.00	17.00	0-3

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LTE Band 26											
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target				
	Frequenc	cy (MHz)		816.5	831.5	846.5	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)			
	Cha	nnel		26715	26865	27015	` ,				
		1	0 12	21.82 21.73	21.75 21.66	21.80 21.70	22.00 22.00	0			
		1	24	21.73	21.70	21.70	22.00	0			
	QPSK	12	0	20.75	20.84	20.78	21.00	0-1			
		12	6	20.79	20.73	20.82	21.00	0-1			
		12 25	13 0	20.80 20.69	20.67	20.85	21.00 21.00	0-1 0-1			
		1	0	20.76	20.78	20.76	21.00	0-1			
		1	12	20.73	20.84	20.84	21.00	0-1			
		1	24	20.72	20.83	20.85	21.00	0-1			
	16-QAM	12	0	19.70	19.75	19.80	20.00	0-2			
		12 12	6 13	19.82 19.84	19.79 19.83	19.80 19.68	20.00	0-2 0-2			
_		25	0	19.86	19.85	19.75	20.00	0-2			
5		1	0	19.81	19.86	19.71	20.00	0-2			
		1	12	19.81	19.71	19.80	20.00	0-2			
	04 0444	1	24	19.86	19.83	19.74	20.00	0-2			
	64-QAM	12 12	0 6	18.81 18.82	18.67 18.81	18.74 18.67	19.00 19.00	0-3 0-3			
		12	13	18.67	18.73	18.78	19.00	0-3			
		25	0	18.84	18.81	18.71	19.00	0-3			
		1	0	16.81	16.76	16.83	17.00	0-5			
		1	12	16.86	16.83	16.81	17.00	0-5			
	256-QAM	1	24	16.78	16.68	16.72	17.00 17.00	0-5			
	256-QAIVI	12 12	0 6	16.67 16.77	16.86 16.69	16.82 16.84	17.00	0-5 0-5			
		12	13	16.73	16.69	16.71	17.00	0-5			
		25	0	16.78	16.68	16.68	17.00	0-5			
	Frequenc	cy (MHz)		815.5	831.5	847.5	Target Power + Max.	MPR Allowed per			
	Cha	nnel		26705	26865	27025	Tolerance (dBm)	3GPP(dB)			
		1	0	21.77	21.83	21.81	22.00	0			
		1	7	21.82	21.67	21.80	22.00	0			
	QPSK	1 8	14 0	21.66 20.74	21.75 20.81	21.76 20.76	22.00 21.00	0 0-1			
	QFSIX	8	4	20.74	20.75	20.76	21.00	0-1			
		8	7	20.83	20.72	20.70	21.00	0-1			
		15	0	20.70	20.80	20.71	21.00	0-1			
		1	0	20.70	20.78	20.82	21.00	0-1			
		1	7 14	20.78 20.79	20.69	20.68	21.00 21.00	0-1 0-1			
	16-QAM	8	0	19.75	19.74	19.77	20.00	0-1			
		8	4	19.77	19.78	19.70	20.00	0-2			
		8	7	19.73	19.71	19.75	20.00	0-2			
3		15	0	19.80	19.85	19.85	20.00	0-2			
		1	7	19.67 19.85	19.78 19.76	19.69 19.72	20.00	0-2 0-2			
		1	14	19.85	19.76	19.72	20.00	0-2			
	64-QAM	8	0	18.85	18.68	18.69	19.00	0-3			
		8	4	18.75	18.70	18.77	19.00	0-3			
		8	7	18.77	18.86	18.73	19.00	0-3			
		15	0	18.76	18.69	18.77	19.00	0-3			
		1	7	16.68 16.69	16.86 16.79	16.84 16.84	17.00 17.00	0-5 0-5			
		1	14	16.81	16.73	16.76	17.00	0-5			
	256-QAM	8	0	16.85	16.81	16.81	17.00	0-5			
		8	4	16.75	16.75	16.78	17.00	0-5			
		8	7	16.78	16.69	16.77	17.00	0-5			
L		15	0	16.68	16.81	16.67	17.00	0-5			

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LTE Band 26								
BW(Mhz) Modulation RB Size RB Offset				Conducted power (dBm)			Tourst	
Frequency (MHz)				814.7	831.5	848.3	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				26697	26865	27033		
1.4	QPSK	1	0	21.69	21.65	21.68	22.00	0
		1	2	21.81	21.82	21.84	22.00	0
		1	5	21.78	21.73	21.75	22.00	0
		3	0	20.78	20.77	20.69	21.00	0-1
		3	2	20.74	20.72	20.82	21.00	0-1
		3	3	20.86	20.84	20.83	21.00	0-1
		6	0	20.67	20.86	20.85	21.00	0-1
	16-QAM	1	0	20.80	20.75	20.81	21.00	0-1
		1	2	20.71	20.67	20.76	21.00	0-1
		1	5	20.81	20.69	20.82	21.00	0-1
		3	0	19.86	19.80	19.79	20.00	0-2
		3	2	19.83	19.70	19.73	20.00	0-2
		3	3	19.85	19.77	19.81	20.00	0-2
		6	0	19.72	19.84	19.67	20.00	0-2
	64-QAM	1	0	19.84	19.84	19.68	20.00	0-2
		1	2	19.75	19.84	19.76	20.00	0-2
		1	5	19.70	19.69	19.76	20.00	0-2
		3	0	18.68	18.76	18.86	19.00	0-3
		3	2	18.84	18.71	18.73	19.00	0-3
		3	3	18.84	18.69	18.73	19.00	0-3
		6	0	18.84	18.78	18.70	19.00	0-3
	256-QAM	1	0	16.76	16.75	16.68	17.00	0-5
		1	2	16.86	16.81	16.71	17.00	0-5
		1	5	16.82	16.83	16.80	17.00	0-5
		3	0	16.79	16.81	16.73	17.00	0-5
		3	2	16.73	16.84	16.75	17.00	0-5
		3	3	16.70	16.67	16.78	17.00	0-5
		6	0	16.80	16.68	16.80	17.00	0-5

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	T			LTE E	and 30			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ıcted power	(dBm)		
	Frequenc	cy (MHz)		2310	2310	2310	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char	nnel		27710	27710	27710	Tolerance (dBm)	
		1	0		16.28		16.50	0
		11	25		16.19		16.50	0
	QPSK	1 25	49 0		16.12 16.15		16.50	0
	QF3N	25 25	12		16.19		16.50 16.50	0
		25	25		16.11		16.50	0
		50	0		16.24		16.50	0
		1	0		16.19		16.50	0
		1	25		16.19		16.50	0
	16-QAM	1 25	49 0		16.23 16.17		16.50 16.50	0
	10-QAW	25	12		16.17		16.50	0
		25	25		16.21		16.50	0
10		50	0		16.18		16.50	0
10		1	0		16.18		16.50	0
		1	25		16.24		16.50	0
		1	49		16.13		16.50	0
	64-QAM	25 25	0 12		16.24 16.20		16.50 16.50	0
		25	25		16.21		16.50	0
		50	0		16.13		16.50	0
		1	0		16.27		16.50	0
		1	25		16.13		16.50	0
	l [1	49		16.17		16.50	0
	256-QAM	25	0		16.20		16.50	0
		25	12		16.12		16.50	0
		25 50	25 0		16.15 16.17		16.50	0
	Frequenc		U	2307.5	2310	2312.5	16.50 Target	
	Char			27685	27710	27735	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Г	1	0	16.28	16.13	16.14	16.50	0
		1	12	16.17	16.17	16.14	16.50	0
		1	24	16.11	16.27	16.21	16.50	0
	QPSK	12	0	16.19	16.23	16.26	16.50	0
	[12	6	16.23	16.22	16.11	16.50	0
		12	13	16.23	16.16	16.16	16.50	0
		25 1	0	16.17	16.22	16.11	16.50	0
		1	12	16.19 16.13	16.29 16.19	16.12 16.24	16.50 16.50	0
		1	24	16.14	16.13	16.24	16.50	0
	16-QAM	12	0	16.13	16.24	16.28	16.50	0
		12	6	16.29	16.21	16.17	16.50	0
		12	13	16.20	16.23	16.27	16.50	0
5		25	0	16.29	16.24	16.17	16.50	0
1		1	12	16.18	16.26	16.26	16.50	0
			12	16.26	16.17	16.23	16.50	0
	64-QAM	1 12	24 0	16.25 16.22	16.21 16.18	16.11 16.23	16.50 16.50	0
	. 3, 111	12	6	16.30	16.24	16.19	16.50	0
		12	13	16.20	16.13	16.30	16.50	0
		25	0	16.27	16.16	16.29	16.50	0
		1	0	16.21	16.23	16.13	16.50	0
		1	12	16.25	16.30	16.19	16.50	0
I	1	11	24	16.30	16.16	16.17	16.50	0
l .	256-QAM					16.26	16.50	0
	256-QAM	12	0	16.27	16.17			
	256-QAM	12	6	16.28	16.22	16.15	16.50	0
	256-QAM							

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc		1	1720	1745	1770	Target Power + Max.	MPR Allowed per
	Char	nnel		132072	132322	132572	Tolerance (dBm)	3GPP(dB)
		1	0	16.54	16.44	16.41	16.70	0
		1 1	50 99	16.21	16.25	16.36 16.39	16.70 16.70	0
	QPSK	50	0	16.21 16.37	16.34 16.38	16.39	16.70	0
		50	25	16.35	16.30	16.36	16.70	0
		50	50	16.34	16.37	16.30	16.70	0
		100 1	0	16.35 16.27	16.39 16.25	16.36 16.39	16.70 16.70	0
		1	50	16.37	16.37	16.37	16.70	0
		1	99	16.22	16.32	16.36	16.70	0
	16-QAM	50	0	16.29	16.36	16.29	16.70	0
		50 50	25	16.22	16.37	16.31	16.70	0
		100	50 0	16.35 16.20	16.21 16.29	16.36 16.25	16.70 16.70	0
20		1	0	16.28	16.38	16.35	16.70	0
	[1	50	16.27	16.21	16.38	16.70	0
		1	99	16.27	16.36	16.20	16.70	0
	64-QAM	50 50	0 25	16.32 16.38	16.21 16.25	16.26 16.30	16.70 16.70	0
		50	50	16.34	16.29	16.32	16.70	0
		100	0	16.32	16.30	16.32	16.70	0
		1	0	16.37	16.24	16.32	16.70	0
		1	50	16.27	16.21	16.38	16.70	0
	256-QAM	1	99	16.20	16.22	16.27	16.70	0
	256-QAIVI	50 50	0 25	16.38 16.37	16.31 16.24	16.27 16.36	16.70 16.70	0
		50	50	16.34	16.29	16.33	16.70	0
		100	0	16.34	16.24	16.28	16.70	0
	Frequenc	cy (MHz)		1717.5	1745	1772.5	Target Power + Max.	MPR Allowed per
	Char	nnel		132047	132322	132597	Tolerance (dBm)	3GPP(dB)
		1	0	16.33	16.34	16.29	16.70	0
		1	36	16.27	16.37	16.35	16.70	0
	QPSK	1 36	74 0	16.23 16.33	16.29 16.32	16.27 16.32	16.70 16.70	0
	QI OIX	36	18	16.24	16.31	16.31	16.70	0
		36	37	16.24	16.37	16.29	16.70	0
		75	0	16.30	16.36	16.22	16.70	0
		1	0	16.29	16.24	16.39	16.70	0
		<u>1</u>	36 74	16.29 16.35	16.32 16.29	16.39 16.37	16.70 16.70	0
	16-QAM	36	0	16.36	16.33	16.32	16.70	0
		36	18	16.38	16.37	16.28	16.70	0
	[36	37	16.32	16.34	16.29	16.70	0
15	 	75	0	16.34	16.31	16.33	16.70	0
		1	0 36	16.23 16.28	16.38 16.32	16.20 16.37	16.70 16.70	0
		1	74	16.28	16.30	16.32	16.70	0
	64-QAM	36	0	16.24	16.22	16.21	16.70	0
		36	18	16.24	16.39	16.38	16.70	0
		36	37	16.35	16.32	16.31	16.70	0
	\vdash	75 1	0	16.27 16.35	16.27 16.23	16.25 16.20	16.70 16.70	0
		1	36	16.37	16.35	16.20	16.70	0
		1	74	16.38	16.36	16.29	16.70	0
	256-QAM	36	0	16.22	16.22	16.36	16.70	0
		36	18	16.21	16.35	16.38	16.70	0
		36 75	37	16.32	16.24	16.20	16.70	0
		75	0	16.24	16.23	16.36	16.70	0

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset		ucted power	(dBm)		
DVV(IVINZ)			RD Offset			<u> </u>	Target	MPR Allowed per
	Frequenc	cy (MHz)		1715	1745	1775	Power + Max. Tolerance (dBm)	3GPP(dB)
	Char	nnel		132022	132322	132622	,	
		1	0	16.31	16.27	16.32	16.70	0
		<u>1</u>	25 49	16.39 16.32	16.29 16.35	16.20 16.30	16.70 16.70	0
	QPSK	25	0	16.21	16.23	16.38	16.70	0
		25	12	16.24	16.37	16.36	16.70	0
		25	25	16.23	16.34	16.26	16.70	0
		50	0	16.24	16.37	16.32	16.70	0
		<u>1</u> 1	0 25	16.23 16.35	16.38 16.32	16.22 16.35	16.70 16.70	0
		1	49	16.24	16.21	16.23	16.70	0
	16-QAM	25	0	16.35	16.29	16.31	16.70	0
		25	12	16.36	16.30	16.22	16.70	0
		25	25	16.20	16.36	16.33	16.70	0
10		50	0	16.25	16.24	16.36	16.70	0
		1	0 25	16.23 16.35	16.29 16.33	16.22 16.34	16.70	0
		1	49	16.23	16.37	16.34	16.70 16.70	0
	64-QAM	25	0	16.28	16.38	16.30	16.70	0
		25	12	16.38	16.25	16.28	16.70	0
		25	25	16.27	16.37	16.38	16.70	0
		50	0	16.33	16.30	16.23	16.70	0
		1	0	16.25	16.26	16.37	16.70	0
		1	25	16.21	16.34	16.37	16.70	0
	256-QAM	1	49	16.24	16.30	16.23	16.70	0
	256-QAIVI	25 25	0 12	16.35 16.31	16.24 16.33	16.28 16.22	16.70 16.70	0
		25	25	16.24	16.23	16.27	16.70	0
		50	0	16.34	16.24	16.30	16.70	0
	Frequenc	cy (MHz)		1712.5	1745	1777.5	Target	MPR Allowed per
	Chai	nnel		131997	132322	132647	Power + Max. Tolerance (dBm)	3GPP(dB)
		1	0	16.27	16.20	16.34	16.70	0
		1	12	16.35	16.27	16.24	16.70	0
		1	24	16.25	16.25	16.20	16.70	0
	QPSK	12	0	16.35	16.20	16.34	16.70	0
		12	6	16.25	16.21	16.39	16.70	0
		12 25	13 0	16.39 16.23	16.25 16.26	16.20 16.26	16.70 16.70	0
		1	0	16.23	16.26	16.26	16.70	0
		1	12	16.20	16.26	16.35	16.70	0
		1	24	16.28	16.35	16.21	16.70	0
	16-QAM	12	0	16.20	16.39	16.20	16.70	0
		12	6	16.32	16.20	16.38	16.70	0
		12	13	16.24	16.24	16.21	16.70	0
5		25	0	16.36 16.24	16.22 16.23	16.24	16.70	0
		1 1	0 12		40.07	16.36 16.28	16.70 16.70	0
		1	24	16.29 16.35	16.37	16.22	16.70	0
	64-QAM	12	0	16.24	16.33	16.38	16.70	0
		12	6	16.32	16.23	16.35	16.70	0
		12	13	16.31	16.34	16.31	16.70	0
		25	0	16.23	16.34	16.35	16.70	0
		11	0	16.26	16.20	16.29	16.70	0
		1	12	16.21	16.33	16.22	16.70	0
	256 0 4 14	1	24	16.32	16.20	16.30	16.70	0
	256-QAM	12 12	0	16.35	16.37	16.22	16.70 16.70	0
		12	6 13	16.26 16.34	16.29 16.26	16.34 16.31	16.70 16.70	0
		25	0	16.31	16.22	16.24	16.70	0
i	l	20	. J	10.51	10.22	10.24	10.70	

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequen	cy (MHz)		1711.5	1745	1778.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Cha	nnel		131987	132322	132657	Tolerance (dBm)	3011 (ub)
		1	0	16.20	16.39	16.27	16.70	0
		1	7	16.38	16.35	16.35	16.70	0
		1	14	16.35	16.28	16.37	16.70	0
	QPSK	8	0	16.38	16.32	16.39	16.70	0
		8	4	16.23	16.27	16.27	16.70	0
		8 15	7	16.21 16.38	16.23 16.26	16.30	16.70 16.70	0
		1	0	16.37	16.29	16.31 16.38	16.70	0
		1	7	16.33	16.29	16.33	16.70	0
		1	14	16.39	16.38	16.39	16.70	0
	16-QAM	8	0	16.32	16.37	16.27	16.70	0
		8	4	16.26	16.37	16.38	16.70	0
		8	7	16.38	16.22	16.26	16.70	0
3		15	0	16.24	16.33	16.38	16.70	0
		1	0	16.28	16.38	16.30	16.70	0
		1	7	16.35	16.27	16.30	16.70	0
	64-QAM	1	14	16.31	16.34	16.35	16.70	0
	64-QAM	<u>8</u> 8	0 4	16.39	16.23	16.30	16.70	0
		8	7	16.37 16.33	16.26 16.31	16.28 16.34	16.70 16.70	0
		15	0	16.37	16.33	16.21	16.70	0
		1	0	16.26	16.20	16.33	16.70	0
		1	7	16.36	16.28	16.28	16.70	0
		1	14	16.36	16.27	16.21	16.70	0
	256-QAM	8	0	16.34	16.25	16.35	16.70	0
		8	4	16.33	16.21	16.27	16.70	0
		8	7	16.33	16.24	16.35	16.70	0
		15	0	16.22	16.31	16.32	16.70	0
	Frequen	cy (MHz)		1710.7	1745	1779.3	Target Power + Max.	MPR Allowed per
	Cha	-		131979	132322	132665	Tolerance (dBm)	3GPP(dB)
		1	0	16.23	16.29	16.37	16.70	0
		1	2	16.22	16.39	16.22	16.70	0
	QPSK	3	5 0	16.22	16.24 16.27	16.26 16.34	16.70 16.70	0
	QF3N	3	2	16.20 16.24	16.27	16.34	16.70	0
		3	3	16.24	16.23	16.20	16.70	0
		6	0	16.32	16.30	16.21	16.70	0
		1	0	16.28	16.22	16.26	16.70	0
		1	2	16.31	16.39	16.36	16.70	0
		1	5	16.30	16.23	16.20	16.70	0
	16-QAM	3	0	16.27	16.39	16.33	16.70	0
		3	2	16.38	16.31	16.37	16.70	0
		3	3	16.37	16.22	16.37	16.70	0
1.4		6	0	16.21	16.34	16.29	16.70	0
		1	0 2	16.20	16.32	16.21	16.70	0
		1	5	16.37	16.39	16.25 16.25	16.70 16.70	0
	64-QAM	3	0	16.24 16.24	16.33 16.27	16.25	16.70 16.70	0
		3	2	16.39	16.32	16.24	16.70	0
		3	3	16.22	16.38	16.37	16.70	0
		6	0	16.20	16.25	16.32	16.70	0
		1	0	16.29	16.29	16.23	16.70	0
		1	2	16.36	16.20	16.29	16.70	0
		1	5	16.27	16.37	16.20	16.70	0
	256-QAM	3	0	16.21	16.29	16.31	16.70	0
		3	2	16.30	16.29	16.26	16.70	0
		3	3	16.30	16.20	16.24	16.70	0
L		6	0	16.28	16.39	16.23	16.70	0

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Tablet mode

Ty5-I TF TDD Band 38 / Band 41 nower table.

				LIEE	Band 38			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Townst	
	Frequenc	cy (MHz)		2580	2595	2610	Target Power + Max. Tolerance (dBm)	MPR Allowed pe 3GPP(dB)
	Cha	nnel		37850	38000	38150	Toloranoo (abiii)	
		1	0	16.58	16.60	16.55	16.70	0
		1	50	16.42	16.52	16.42	16.70	0
		11	99	16.42	16.44	16.48	16.70	0
	QPSK	50	0	16.52	16.39	16.46	16.70	0
		50	25	16.49	16.47	16.42	16.70	0
		50	50	16.47	16.43	16.54	16.70	0
	-	100	0	16.35	16.51	16.47	16.70	0
		1 1	0 50	16.48	16.42	16.37	16.70	0
		1	99	16.42 16.43	16.53 16.39	16.50 16.49	16.70 16.70	0
	16-QAM	50	0	16.37	16.36	16.53	16.70	0
	10-QAW	50	25	16.39	16.43	16.39	16.70	0
		50	50	16.38	16.40	16.45	16.70	0
		100	0	16.53	16.37	16.41	16.70	0
20		1	0	16.53	16.37	16.49	16.70	0
		1	50	16.54	16.41	16.49	16.70	0
		1	99	16.37	16.50	16.46	16.70	0
	64-QAM	50	0	16.52	16.36	16.38	16.70	0
		50	25	16.38	16.37	16.40	16.70	0
		50	50	16.43	16.40	16.41	16.70	0
		100	0	16.47	16.47	16.35	16.70	0
		1	0	16.44	16.47	16.46	16.70	0
		1	50	16.36	16.36	16.49	16.70	0
		1	99	16.48	16.36	16.37	16.70	0
	256-QAM	50	0	16.49	16.46	16.38	16.70	0
		50	25	16.42	16.51	16.51	16.70	0
		50	50	16.50	16.40	16.42	16.70	0
		100	0	16.36	16.47	16.41	16.70	0
	Frequenc	cy (MHz)		2577.5	2595	2612.5	Target Power + Max.	MPR Allowed pe
	Cha	nnel		37825	38000	38175	Tolerance (dBm)	3GPP(dB)
		1	0	16.38	16.50	16.42	16.70	0
		1	36	16.38	16.38	16.43	16.70	0
		1	74	16.39	16.41	16.42	16.70	0
	QPSK	36	0	16.51	16.49	16.36	16.70	0
		36	18	16.48	16.36	16.54	16.70	0
		36	37	16.42	16.36	16.47	16.70	0
		75	0	16.38	16.48	16.35	16.70	0
		1	0	16.43	16.45	16.52	16.70	0
		1	36	16.44	16.36	16.49	16.70	0
	16-QAM	1 36	74 0	16.51 16.54	16.37 16.36	16.52 16.50	16.70 16.70	0
	10-QAIVI	36	18	16.36	16.40	16.44	16.70	0
		36	37	16.51	16.52	16.36	16.70	0
		75	0	16.48	16.42	16.49	16.70	0
15		1	0	16.50	16.42	16.38	16.70	0
		1	36	16.53	16.37	16.41	16.70	0
		1	74	16.44	16.46	16.54	16.70	0
	64-QAM	36	0	16.53	16.45	16.44	16.70	0
		36	18	16.45	16.48	16.43	16.70	0
		36	37	16.43	16.36	16.40	16.70	0
		75	0	16.48	16.41	16.52	16.70	0
		1	0	16.36	16.43	16.42	16.70	0
		1	36	16.40	16.51	16.44	16.70	0
		1	74	16.48	16.40	16.44	16.70	0
	256-QAM	36	0	16.39	16.38	16.54	16.70	0
		36	18	16.46	16.45	16.38	16.70	0
	<u> </u>	36	37	16.50	16.43	16.39	16.70	0

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				LTE E	Band 38			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		2575	2595	2615	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai	nnel		37800	38000	38200	Tolerance (dBm)	0011 (42)
		1	0	16.43	16.39	16.50	16.70	0
		1	25	16.48	16.38	16.43	16.70	0
	QPSK	1 25	49 0	16.42 16.45	16.45 16.46	16.43	16.70	0
	QF3N	25 25	12	16.45	16.47	16.35 16.40	16.70 16.70	0
		25	25	16.38	16.52	16.51	16.70	0
		50	0	16.49	16.39	16.40	16.70	0
		1	0	16.41	16.49	16.45	16.70	0
		1	25	16.44	16.38	16.54	16.70	0
	16-QAM	1 25	49 0	16.52 16.44	16.47 16.52	16.45 16.38	16.70 16.70	0
	10-QAW	25	12	16.51	16.48	16.41	16.70	0
		25	25	16.52	16.43	16.45	16.70	0
10	<u> </u>	50	0	16.38	16.50	16.41	16.70	0
10		1	0	16.45	16.39	16.46	16.70	0
	[1	25	16.38	16.51	16.41	16.70	0
		1	49	16.37	16.42	16.46	16.70	0
	64-QAM	25	0	16.51	16.37	16.49	16.70	0
		25 25	12 25	16.44 16.44	16.46 16.52	16.53 16.43	16.70 16.70	0
		50	0	16.52	16.38	16.48	16.70	0
		1	0	16.53	16.38	16.36	16.70	0
		1	25	16.35	16.53	16.44	16.70	0
		1	49	16.52	16.42	16.51	16.70	0
	256-QAM	25	0	16.35	16.44	16.47	16.70	0
		25	12	16.53	16.39	16.35	16.70	0
		25	25	16.36	16.36	16.45	16.70	0
		50	0	16.45	16.45	16.36	16.70	0
	Frequenc			2572.5	2595	2617.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai		1 0	37775	38000	38225	Tolerance (dBm)	, ,
		1 1	0 12	16.37	16.42	16.36	16.70	0
		1	24	16.44 16.48	16.47 16.52	16.41 16.50	16.70 16.70	0
	QPSK	12	0	16.38	16.51	16.36	16.70	0
	" "	12	6	16.48	16.52	16.52	16.70	0
		12	13	16.41	16.46	16.49	16.70	0
		25	0	16.41	16.53	16.36	16.70	0
		1	0	16.46	16.43	16.53	16.70	0
		<u>1</u>	12	16.42	16.51	16.38 16.51	16.70	0
	16-QAM	1 12	24 0	16.36 16.52	16.44 16.38	16.51	16.70 16.70	0
	10-QAIVI	12	6	16.52	16.53	16.44	16.70	0
		12	13	16.36	16.35	16.51	16.70	0
_]	25	0	16.48	16.54	16.51	16.70	0
5		1	0	16.39	16.50	16.35	16.70	0
	[1	12	16.49	16.50	16.37	16.70	0
	,, ,	1	24	16.46	16.42	16.38	16.70	0
	64-QAM	12	0	16.48	16.43	16.35	16.70	0
		12 12	6 13	16.35	16.51	16.38	16.70 16.70	0
		25	0	16.38 16.45	16.46 16.36	16.42 16.38	16.70	0
		1	0	16.43	16.42	16.46	16.70	0
		1	12	16.45	16.38	16.45	16.70	0
		1	24	16.53	16.42	16.40	16.70	0
	256-QAM	12	0	16.53	16.51	16.52	16.70	0
	[12	6	16.39	16.38	16.47	16.70	0
1		12	13	16.49	16.35	16.50	16.70	0
	,	25	0	16.42	16.51	16.53	16.70	0

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BW(Mhz)	Modulation	DD 0:								
		RB Size	RB Offset			Conducted	power (dBm)			
	Frequenc	y (MHz)		2506	2549.5	2593	2636.5	2680	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		39750	40185	40620	41055	41490	, ,	
		1	0	17.11	17.16	17.21	17.20	17.19	17.30	0
	ļ	1	50	17.00	17.08	17.06	16.94	16.90	17.30	0
	QPSK	1 50	99	17.09 17.06	17.07 16.91	17.05 17.06	16.96 17.07	16.95 16.95	17.30 17.30	0
	QF3K	50	25	17.02	16.95	17.00	17.01	16.91	17.30	0
	ŀ	50	50	16.97	16.93	16.95	16.95	16.92	17.30	0
	l	100	0	16.98	16.90	17.05	16.97	16.98	17.30	0
		1	0	16.93	17.02	16.93	16.94	16.91	17.30	0
	ļ	1	50	16.96	16.95	16.94	17.03	17.07	17.30	0
	16-QAM	1 50	99 0	16.91 17.05	16.94 17.04	16.90 16.90	17.03 17.02	17.02 16.99	17.30 17.30	0
	16-QAIVI	50	25	16.91	16.90	16.90	17.02	17.05	17.30	0
	ŀ	50	50	16.91	17.07	16.99	17.05	17.03	17.30	0
20		100	0	16.97	16.95	17.00	16.98	17.09	17.30	0
20		1	0	16.90	17.01	16.97	17.02	16.93	17.30	0
	[1	50	17.07	17.06	16.93	16.98	16.94	17.30	0
		1	99	17.01	16.92	16.92	16.99	16.94	17.30	0
	64-QAM	50 50	0 25	16.93 17.06	16.99 17.01	16.92 16.96	16.99 17.03	17.01 17.00	17.30 17.30	0
	ŀ	50	50	17.03	16.96	16.90	16.93	17.05	17.30	0
	ŀ	100	0	17.00	16.96	17.00	17.03	17.02	17.30	0
ľ		1	0	16.92	17.03	17.08	17.05	17.00	17.30	0
		1	50	16.91	16.98	16.90	16.90	16.96	17.30	0
		1	99	17.00	16.94	16.95	16.92	16.92	17.30	0
	256-QAM	50	0	17.08	17.08	17.08	17.01	17.06	17.30	0
	ŀ	50 50	25 50	17.04 16.90	17.03 16.91	17.00 17.06	17.08 17.06	17.05 16.97	17.30 17.30	0
	ŀ	100	0	17.00	16.96	17.06	17.04	16.99	17.30	0
	Frequenc			2503.5	2548.3	2593	2637.8	2682.5	Target	MPR Allowed per
	Char	nnel		39725	40173	40620	41068	41515	Power + Max. Tolerance (dBm)	3GPP(dB)
		1	0	17.03	16.90	17.05	16.94	16.99	17.30	0
	l l	1	36	17.04	16.98	17.08	17.07	16.95	17.30	0
	QPSK	1 36	74 0	16.95 16.90	16.97	16.96 16.94	17.01	17.05 17.04	17.30	0
	UPSK	36	18	16.90	17.01 16.92	17.09	16.99 17.04	17.04	17.30 17.30	0
	ŀ	36	37	17.02	17.04	17.00	16.93	16.97	17.30	0
	l	75	0	17.01	16.95	17.01	17.09	17.03	17.30	0
Ī		1	0	17.08	16.95	17.03	17.06	17.08	17.30	0
	[1	36	16.94	17.00	16.98	16.94	16.97	17.30	0
	16-QAM	1	74	16.96	17.05	17.03	16.99	17.02	17.30	0
	10-QAM	36 36	0 18	16.98 16.92	16.98 17.03	16.90 16.97	16.96 17.09	16.98 16.92	17.30 17.30	0
	ŀ	36	37	16.92	16.91	17.04	17.05	16.96	17.30	0
45	ŀ	75	0	17.03	17.06	16.94	16.98	17.07	17.30	0
15		1	0	17.02	17.02	16.99	17.07	16.90	17.30	0
	[1	36	17.07	16.91	17.04	16.93	16.97	17.30	0
		1	74	16.96	17.08	16.99	17.04	17.04	17.30	0
	64-QAM	36 36	0 18	17.03 17.07	16.96 16.95	16.91 17.01	17.07 17.08	17.03 17.01	17.30 17.30	0
	}	36	37	17.07	17.06	16.99	16.96	16.91	17.30	0
	ŀ	75	0	17.02	17.00	17.01	17.01	17.09	17.30	0
ľ		1	0	17.02	16.94	17.08	17.04	17.09	17.30	0
	į	1	36	17.06	17.04	16.95	17.05	17.04	17.30	0
	. [1	74	16.98	16.99	16.96	17.09	16.98	17.30	0
	256-QAM	36	0	17.03	17.09	16.95	17.09	16.94	17.30	0
		36 36	18 37	16.93 16.90	16.95 17.05	16.90 17.04	17.01 16.90	17.07 17.09	17.30 17.30	0

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						LTE Band	41			
BW(Mhz)	Modulation	RB Size	RB Offset			Conducted	power (dBm)			
	Frequen	cy (MHz)		2501	2547	2593	2639	2685	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		39700	40160	40620	41080	41540	, ,	
		1	0	16.90	17.05	17.06	16.98	16.98	17.30	0
		1	25	16.97	16.96	16.95	17.08	17.02	17.30	0
	ODOK	1	49	17.02	17.00	17.02	17.08	17.08	17.30	0
	QPSK	25 25	0 12	16.99 17.08	16.93 17.01	16.95 17.06	16.96 17.09	16.97 17.01	17.30 17.30	0
		25	25	16.98	17.04	17.03	16.96	16.94	17.30	0
		50	0	17.00	17.01	17.04	17.00	16.95	17.30	0
		1	0	17.06	16.98	16.97	16.99	16.92	17.30	0
		1	25	16.90	16.97	17.08	17.09	17.02	17.30	0
		1	49	17.03	16.91	16.95	16.94	17.04	17.30	0
	16-QAM	25	0	17.06	16.95	16.91	17.09	17.04	17.30	0
		25	12	16.97	17.09	17.09	17.05	16.93	17.30	0
		25	25	16.97	17.03	17.04	16.93	16.98	17.30	0
10		50 1	0	17.00 16.93	16.99 16.98	16.92 16.97	17.08 16.97	17.03 16.92	17.30 17.30	0
		1	25	17.00	16.98	16.90	16.91	16.92	17.30	0
		1	49	17.08	16.92	17.04	16.99	16.96	17.30	0
	64-QAM	25	0	16.97	16.92	16.93	17.06	17.07	17.30	0
		25	12	16.94	17.00	16.97	17.03	17.02	17.30	0
		25	25	16.95	17.02	16.95	17.02	17.06	17.30	0
		50	0	17.07	16.95	17.05	16.94	16.98	17.30	0
		1	0	17.08	17.00	17.03	16.91	16.97	17.30	0
		1	25	16.95	17.03	17.00	16.91	16.96	17.30	0
		1	49	16.99	16.90	16.92	17.06	16.96	17.30	0
	256-QAM	25	0	17.06	16.97	17.05	16.91	17.04	17.30	0
		25 25	12 25	17.06 16.98	16.93 16.94	17.02 16.93	16.92 16.96	16.93 16.97	17.30 17.30	0
		50	0	17.03	16.98	17.05	17.06	17.02	17.30	0
	Frequen			2498.5	2547.8	2593	2640.3	2687.5	Target	MPR Allowed per
	Cha	nnel		39675	40148	40620	41093	41565	Power + Max. Tolerance (dBm)	3GPP(dB)
		1	0	16.90	16.96	16.94	17.02	17.06	17.30	0
		1	12	16.99	17.07	17.05	17.04	16.90	17.30	0
		1	24	17.06	17.00	17.05	17.03	17.08	17.30	0
	QPSK	12	0	17.09	16.96	17.02	17.04	17.04	17.30	0
		12 12	6 13	16.96 16.95	16.99 17.02	17.03 17.09	16.96 16.94	16.90 17.08	17.30 17.30	0
		12 25	13	17.03	17.02	17.09	16.94	17.08	17.30	0
		1	0	17.03	17.02	16.91	17.02	16.98	17.30	0
		1	12	16.91	16.90	16.90	16.93	17.02	17.30	0
		1	24	16.99	17.04	17.01	16.93	16.91	17.30	0
	16-QAM	12	0	17.02	17.08	16.91	16.93	17.09	17.30	0
		12	6	17.07	16.97	17.07	16.93	17.00	17.30	0
		12	13	17.00	17.09	17.05	17.09	16.90	17.30	0
5		25	0	16.91	17.00	17.04	16.95	16.95	17.30	0
		1	0 12	16.97 17.06	16.98 16.94	16.94 16.93	17.04	17.02 17.02	17.30 17.30	0
	1	1	12 24	17.06	16.94	16.93	17.01 16.99	17.02	17.30	0
			. 44		17.04	16.97	17.03	17.02	17.30	0
	64-QAM	12	0	16.94						
	64-QAM	12	0 6	16.94 16.96	16.92	17.03	17.04	16.94	17.30	0
	64-QAM				16.92 17.05	17.03 16.95	17.04 17.00	16.94 16.91	17.30 17.30	0
	64-QAM	12	6	16.96						
	64-QAM	12	6	16.96 16.97	17.05	16.95	17.00	16.91	17.30	0
	64-QAM	12 12 12 25 1	6 13 0 0	16.96 16.97 17.03 16.95 17.08	17.05 16.98 17.01 17.06	16.95 17.05 17.09 16.96	17.00 17.02 16.98 17.08	16.91 16.98 16.96 16.97	17.30 17.30 17.30 17.30	0 0 0
		12 12 12 25 1 1	6 13 0 0 12 24	16.96 16.97 17.03 16.95 17.08 16.93	17.05 16.98 17.01 17.06 17.06	16.95 17.05 17.09 16.96 16.96	17.00 17.02 16.98 17.08 16.99	16.91 16.98 16.96 16.97 16.91	17.30 17.30 17.30 17.30 17.30	0 0 0 0
	64-QAM 256-QAM	12 12 25 1 1 1 1	6 13 0 0 12 24 0	16.96 16.97 17.03 16.95 17.08 16.93 16.91	17.05 16.98 17.01 17.06 17.06 17.08	16.95 17.05 17.09 16.96 16.96 17.06	17.00 17.02 16.98 17.08 16.99 17.04	16.91 16.98 16.96 16.97 16.91 16.94	17.30 17.30 17.30 17.30 17.30 17.30	0 0 0 0 0
		12 12 12 25 1 1	6 13 0 0 12 24	16.96 16.97 17.03 16.95 17.08 16.93	17.05 16.98 17.01 17.06 17.06	16.95 17.05 17.09 16.96 16.96	17.00 17.02 16.98 17.08 16.99	16.91 16.98 16.96 16.97 16.91	17.30 17.30 17.30 17.30 17.30	0 0 0 0

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					LTI	E Band 41 (F	HPUE)			
BW(Mhz)	Modulation	RB Size	RB Offset			Conducted	power (dBm)			
	Frequen	cy (MHz)		2506	2549.5	2593	2636.5	2680	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		39750	40185	40620	41055	41490	Tolcrance (dbin)	
		1	0	19.23	19.24	19.29	19.30	19.28	19.40	0
		1	50	19.17	19.15	19.16	19.05	19.11	19.40	0
	00011	1 = 0	99	19.17	19.17	19.07	19.07	19.15	19.40	0
	QPSK	50 50	0 25	19.06 19.13	19.11 19.10	19.07 19.19	19.10 19.07	19.13 19.07	19.40 19.40	0
		50	50	19.15	19.10	19.19	19.07	19.04	19.40	0
		100	0	19.15	19.14	19.06	19.19	19.04	19.40	0
		1	0	19.12	19.22	19.03	19.07	19.08	19.40	0
		1	50	19.19	19.22	19.03	19.21	19.15	19.40	0
		1	99	19.04	19.19	19.11	19.03	19.19	19.40	0
	16-QAM	50	0	19.09	19.11	19.03	19.16	19.14	19.40	0
		50	25	19.08	19.17	19.03	19.03	19.11	19.40	0
		50	50	19.14	19.19	19.22	19.13	19.13	19.40	0
20	\vdash	100	0	19.13 19.13	19.11 19.19	19.05 19.10	19.22 19.16	19.13 19.05	19.40 19.40	0
		1	50	19.13	19.19	19.10	19.16	19.05 19.18	19.40	0
		1	99	19.08	19.15	19.10	19.07	19.12	19.40	0
	64-QAM	50	0	19.22	19.09	19.13	19.09	19.08	19.40	0
		50	25	19.12	19.19	19.21	19.10	19.14	19.40	0
		50	50	19.07	19.15	19.14	19.14	19.15	19.40	0
		100	0	19.05	19.13	19.04	19.13	19.18	19.40	0
		1	0	19.18	19.16	19.08	19.06	19.09	19.40	0
		1	50	19.07	19.10	19.22	19.08	19.18	19.40	0
	050 0444	1	99	19.17	19.03	19.06	19.19	19.06	19.40	0
	256-QAM	50 50	0 25	19.12 19.04	19.03 19.03	19.06 19.14	19.08 19.05	19.09 19.07	19.40 19.40	0
		50	50	19.04	19.03	19.14	19.16	19.13	19.40	0
		100	0	19.05	19.10	19.22	19.15	19.15	19.40	0
	Frequen			2503.5	2548.3	2593	2637.8	2682.5	Target	MPR Allowed per
	Cha	nnel		39725	40173	40620	41068	41515	Power + Max. Tolerance (dBm)	3GPP(dB)
		1	0	19.18	19.11	19.19	19.15	19.16	19.40	0
		1	36	19.20	19.16	19.18	19.15	19.15	19.40	0
		1	74	19.05	19.09	19.12	19.12	19.09	19.40	0
	QPSK	36 36	0 18	19.16 19.17	19.13 19.05	19.04 19.07	19.19 19.06	19.03	19.40 19.40	0
		36	37	19.17	19.05	19.07	19.06	19.01 19.09	19.40	0
		75	0	19.14	19.09	19.19	19.07	19.06	19.40	0
		1	0	19.12	19.19	19.17	19.13	19.00	19.40	0
		1	36	19.11	19.06	19.13	19.00	19.02	19.40	0
		1	74	19.01	19.09	19.07	19.14	19.10	19.40	0
	16-QAM	36	0	19.00	19.07	19.18	19.18	19.19	19.40	0
		36	18	19.17	19.16	19.17	19.16	19.08	19.40	0
		36 75	37 0	19.07 19.10	19.16 19.17	19.08 19.15	19.04 19.10	19.08 19.15	19.40 19.40	0
15		1	0	19.10	19.17	19.15	19.00	19.15	19.40	0
		1	36	19.12	19.01	19.10	19.00	19.02	19.40	0
		1	74	19.19	19.00	19.13	19.11	19.05	19.40	0
	64-QAM	36	0	19.10	19.11	19.06	19.07	19.11	19.40	0
		36	18	19.13	19.03	19.18	19.06	19.17	19.40	0
		36	37	19.05	19.06	19.16	19.13	19.08	19.40	0
		75	0	19.00	19.09	19.19	19.01	19.02	19.40	0
		1	0	19.05	19.12	19.05	19.04	19.09	19.40	0
		1	36	19.11	19.18	19.10	19.18	19.16	19.40	0
	256-QAM	1 36	74 0	19.08	19.02 19.00	19.10 19.06	19.02 19.10	19.17 19.11	19.40 19.40	0
	230-QAIVI	36	18	19.02 19.03	19.00	19.06	19.10	19.11	19.40	0
		5						10.10		
		36	37	19.13	19.06	19.07	19.19	19.17	19.40	0

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					LT	E Band 41 (F	HPUE)			
BW(Mhz)	Modulation	RB Size	RB Offset			Conducted	power (dBm)			
	Frequen	cy (MHz)		2501	2547	2593	2639	2685	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		39700	40160	40620	41080	41540	Tolerance (ubin)	
		1	0	19.10	19.21	19.05	19.21	19.05	19.40	0
		1	25	19.03	19.21	19.12	19.16	19.20	19.40	0
	00011	1	49	19.11	19.10	19.05	19.22	19.18	19.40	0
	QPSK	25 25	0 12	19.08 19.09	19.14 19.15	19.10 19.06	19.13 19.16	19.16 19.18	19.40 19.40	0
		25	25	19.09	19.15	19.06	19.18	19.10	19.40	0
		50	0	19.14	19.14	19.04	19.00	19.04	19.40	0
		1	0	19.09	19.08	19.05	19.14	19.02	19.40	0
		1	25	19.05	19.14	19.09	19.11	19.18	19.40	0
		1	49	19.01	19.14	19.15	19.01	19.13	19.40	0
	16-QAM	25	0	19.12	19.15	19.18	19.08	19.15	19.40	0
		25	12	19.01	19.01	19.01	19.07	19.01	19.40	0
		25	25	19.18	19.15	19.05	19.04	19.00	19.40	0
10		50	0	19.17	19.06	19.12	19.14	19.02	19.40	0
		1	0 25	19.04	19.10	19.18	19.11	19.00	19.40	0
		1	49	19.16 19.05	19.16 19.07	19.05 19.18	19.05 19.00	19.16 19.10	19.40 19.40	0
	64-QAM	25	0	19.05	19.07	19.18	19.03	19.06	19.40	0
	OT QAIN	25	12	19.10	19.07	19.11	19.01	19.04	19.40	0
		25	25	19.14	19.06	19.07	19.11	19.16	19.40	0
		50	0	19.15	19.00	19.08	19.18	19.13	19.40	0
		1	0	19.01	19.16	19.08	19.17	19.05	19.40	0
		1	25	19.05	19.17	19.12	19.02	19.16	19.40	0
		1	49	19.00	19.04	19.03	19.00	19.01	19.40	0
	256-QAM	25	0	19.05	19.11	19.07	19.10	19.04	19.40	0
		25	12	19.09	19.16	19.07	19.10	19.15	19.40	0
		25	25	19.08	19.03	19.13	19.06	19.12	19.40	0
	Frequen	50 cv (MHz)	0	19.11 2498.5	19.02 2547.8	19.04 2593	19.15 2640.3	19.04 2687.5	19.40 Target	0
	Cha			39675	40148	40620	41093	41565	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
		1	0	19.17	19.16	19.07	19.19	19.17	19.40	0
		1	12	19.17	19.16	19.07	19.19	19.17	19.40	0
		1	24	19.16	19.09	19.21	19.17	19.05	19.40	0
	QPSK	12	0	19.17	19.19	19.05	19.10	19.08	19.40	0
		12	6	19.06	19.02	19.01	19.02	19.05	19.40	0
		12	13	19.06	19.04	19.05	19.04	19.10	19.40	0
		25	0	19.14	19.15	19.19	19.14	19.01	19.40	0
		1	0	19.14	19.11	19.16	19.07	19.09	19.40	0
		1	12	19.19	19.13	19.02	19.07	19.05	19.40	0
	40.000	1	24	19.01	19.15	19.07	19.01	19.07	19.40	0
	16-QAM	12	0	19.04	19.15	19.13	19.09	19.17	19.40	0
		12 12	6 13	19.15 19.03	19.19 19.02	19.03 19.08	19.11 19.10	19.09 19.18	19.40 19.40	0
		25	0	19.03	19.02	19.08	19.10	19.18	19.40	0
5		1	0	19.06	19.04	19.08	19.17	19.13	19.40	0
		1	12	19.11	19.17	19.01	19.16	19.03	19.40	0
		1	24	19.12	19.09	19.02	19.12	19.10	19.40	Ö
	64-QAM	12	0	19.01	19.15	19.15	19.08	19.07	19.40	0
		12	6	19.03	19.08	19.11	19.04	19.08	19.40	0
		12	13	19.15	19.01	19.19	19.12	19.06	19.40	0
		25	0	19.08	19.02	19.08	19.03	19.17	19.40	0
	1	1	0	19.16	19.13	19.15	19.14	19.09	19.40	0
			12	19.02	19.01	19.02	19.07	19.05	19.40	0
		1								
	256 0 44	1	24	19.17	19.11	19.05	19.13	19.16	19.40	0
	256-QAM	1 12	24 0	19.17 19.15	19.11 19.10	19.12	19.11	19.07	19.40	0
	256-QAM	1	24	19.17	19.11					

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Tablet mode

Tx5-5G NR n2 / n5 / n12 / n66 power table:

1x5-5G NR n2 / n5 / n12 / n66 power table:													
5G NR n2													
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target						
	Frequenc	cy (MHz)		1860	1880	1900	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)					
	Char	nnel		372000	376000	380000	Tolorance (abin)						
		1	1	12.23	12.20	12.18	12.30	0					
		1	53	12.12	12.06	12.08	12.30	0					
		1	104	12.14	12.16	12.01	12.30	0					
	Pi/2 BPSK	50	0	12.17	12.07	12.03	12.30	0					
	[50	28	12.02	12.09	12.06	12.30	0					
	[50	56	12.02	12.02	12.07	12.30	0					
		100	0	12.07	12.13	12.10	12.30	0					
		1	1	12.07	11.99	12.15	12.30	0					
20		1	53	12.16	12.08	12.07	12.30	0					
		1	104	12.03	12.11	12.09	12.30	0					
	QPSK	50	0	12.12	12.09	12.01	12.30	0					
		50	28	12.10	12.14	12.02	12.30	0					
	ľ	50	56	12.17	12.04	12.14	12.30	0					
	Ī	100	0	12.14	12.13	12.16	12.30	0					
	16-QAM	1	1	12.02	12.09	12.06	12.30	0					
	64QAM	1	1	12.10	12.03	12.05	12.30	0					
	256-QAM	1	1	12.00	12.09	12.07	12.30	0					
	Frequenc	cy (MHz)		1857.5	1880	1902.5	Target Power + Max.	MPR Allowed per					
	Char	nnel		371500	376000	380500	Tolerance (dBm)	3GPP(dB)					
15	Pi/2 BPSK	1	1	12.01	12.04	12.17	12.30	0					
	Frequenc	cy (MHz)		1855	1880	1905	Target Power + Max.	MPR Allowed per					
	Channel				376000	381000	Tolerance (dBm)	3GPP(dB)					
10	Pi/2 BPSK	1	1	12.03	12.09	12.06	12.30	0					
	Frequency (MHz)				1880	1907.5	Target Power + Max.	MPR Allowed per					
	Channel			370500	376000	381500	Tolerance (dBm)	3GPP(dB)					
5	Pi/2 BPSK	1	1	12.17	12.10	12.06	12.30	0					

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5G NR n5														
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target							
	Frequenc	cy (MHz)		834	836.5	839	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)						
	Cha	nnel		166800	167300	167800	Tolerance (dbiii)							
		1	1	19.76	19.62	19.71	19.90	0						
		1	53	19.53	19.56	19.46	19.90	0						
		1	104	19.56	19.53	19.54	19.90	0						
	Pi/2 BPSK	50	0	19.59	19.55	19.42	19.90	0						
		50	28	19.41	19.48	19.40	19.90	0						
		50	56	19.49	19.58	19.43	19.90	0						
			0	19.10	18.93	19.11	19.90	0						
		1	1	19.48	19.56	19.49	19.90	0						
20		1	53	19.47	19.41	19.53	19.90	0						
		1	104	19.54	19.52	19.60	19.90	0						
	QPSK	50	0	19.48	19.49	19.47	19.90	0						
		50	28	19.41	19.56	19.54	19.90	0						
		50	56	19.49	19.50	19.53	19.90	0						
		100	0	19.45	19.52	19.49	19.90	0						
	16-QAM	1	1	19.48	19.47	19.57	19.90	0						
	64QAM	1	1	19.43	19.54	19.57	19.90	0						
	256-QAM	1	1	19.47	19.57	19.43	19.90	0						
	Frequenc	cy (MHz)		831.5	836.5	841.5	Target Power + Max.	MPR Allowed per						
	Cha	nnel		166300	167300	168300	Tolerance (dBm)	3GPP(dB)						
15	Pi/2 BPSK	1	1	19.47	19.59	19.49	19.90	0						
	Frequenc	cy (MHz)		829	836.5	844	Target Power + Max.	MPR Allowed per						
	Cha	nnel		166300	167300	168800	Tolerance (dBm)	3GPP(dB)						
10	10 Pi/2 BPSK 1 1				19.60	19.54	19.90	0						
	Frequenc	cy (MHz)		826.5	836.5	846.5	Target Power + Max.	MPR Allowed per						
	Channel			165300	167300	169300	Tolerance (dBm)	3GPP(dB)						
5	Pi/2 BPSK	1	1	19.48	19.48	19.56	19.90	0						

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				5G N	JR n12				
								1	
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target	MPR Allowed per 3GPP(dB)	
	Frequenc	cy (MHz)		706.5	707.5	708.5	Power + Max. Tolerance (dBm)		
	Char	nnel		141300	141500	141700	- Tolerance (dbiii)		
		1	1	17.65	17.58	17.67	17.70	0	
		1	40	17.43	17.47	17.48	17.70	0	
		1	77	17.38	17.48	17.40	17.70	0	
	Pi/2 BPSK	36	0	17.47	17.38	17.40	17.70	0	
		36	22	17.43	17.39	17.47	17.70	0	
		36	43	17.55	17.52	17.41	17.70	0	
		75	0	17.41	17.51	17.39	17.70	0	
	15	1	1	17.54	17.49	17.48	17.70	0	
15		1	40	17.37	17.53	17.52	17.70	0	
		1	77	17.41	17.36	17.52	17.70	0	
	QPSK	36	0	17.55	17.38	17.47	17.70	0	
		36	22	17.49	17.47	17.40	17.70	0	
		36	43	17.42	17.47	17.49	17.70	0	
		75	0	17.51	17.54	17.47	17.70	0	
	16-QAM	1	1	17.47	17.49	17.41	17.70	0	
	64QAM	1	1	17.55	17.45	17.36	17.70	0	
	256-QAM	1	1	17.39	17.45	17.47	17.70	0	
	Frequenc	cy (MHz)		704	707.5	711	Target Power + Max.	MPR Allowed per	
	Char	nnel		140800	141500	142200	Tolerance (dBm)	3GPP(dB)	
10	Pi/2 BPSK	1	1	17.47	17.49	17.41	17.70	0	
	Frequenc	cy (MHz)		701.5	707.5	713.5	Target Power + Max.	MPR Allowed per	
	Char	nnel		140300	141500	142200	Tolerance (dBm)	3GPP(dB)	
5	Pi/2 BPSK	1	1	17.51	17.54	17.47	17.70	0	

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				5G N	IR n66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target	
	Frequenc	cy (MHz)		1720	1745	1770	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Chai	nnel		344000	349000	354000	Toloranoc (abin)	
		1	1	13.66	13.60	13.55	13.70	0
		1	53	13.40	13.44	13.45	13.70	0
		1	104	13.35	13.45	13.37	13.70	0
	Pi/2 BPSK	50	0	13.44	13.35	13.31	13.70	0
		50	28	13.40	13.36	13.44	13.70	0
		50	56	13.52	13.49	13.38	13.70	0
		100	0	13.38	13.48	13.36	13.70	0
		1	1	13.51	13.46	13.45	13.70	0
20		1	53	13.34	13.50	13.49	13.70	0
	QPSK	1	104	13.38	13.33	13.49	13.70	0
		50	0	13.52	13.35	13.44	13.70	0
		50	28	13.46	13.44	13.37	13.70	0
		50	56	13.39	13.42	13.46	13.70	0
		100	0	13.48	13.51	13.42	13.70	0
	16-QAM	1	1	13.44	13.46	13.38	13.70	0
	64QAM	1	1	13.52	13.41	13.33	13.70	0
	256-QAM	1	1	13.36	13.40	13.44	13.70	0
	Frequenc	cy (MHz)		1717.5	1745	1772.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		343500	349000	354500	Tolerance (dBm)	3GPP(dB)
15	Pi/2 BPSK	1	1	13.52	13.42	13.33	13.70	0
	Frequenc	cy (MHz)		1715	1745	1775	Target Power + Max.	MPR Allowed per
	Chai	nnel		343000	349000	355000	Tolerance (dBm)	3GPP(dB)
10	Pi/2 BPSK	1	1	13.44	13.46	13.38	13.70	0
	Frequenc	cy (MHz)		1712.5	1745	1777.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		342500	349000	355500	Tolerance (dBm)	3GPP(dB)
5	Pi/2 BPSK	1	1	13.39	13.44	13.46	13.70	0

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Notebook mode

Tx8-LTF FDD Band 2 / Band 7 / Band 66 power table:

				LTE	Band 2			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
<u> </u>	Frequenc	cy (MHz)		1860	1880	1900	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Cha	nnel		18700	18900	19100	Tolerance (dBm)	001 T (dD)
		1	0	23.92	23.89	23.98	24.00	0
		1	50	23.49	23.82	23.68	24.00	0
	0.001	1	99	23.82	23.84	23.91	24.00	0
	QPSK	50	0	22.93	22.95	22.92	23.00	0-1
		50 50	25 50	22.76 22.91	22.74 22.78	22.86 22.84	23.00 23.00	0-1 0-1
		100	0	22.84	22.71	22.82	23.00	0-1
		1	0	22.77	22.79	22.79	23.00	0-1
		1	50	22.76	22.79	22.90	23.00	0-1
		1	99	22.88	22.82	22.78	23.00	0-1
	16-QAM	50	0	21.84	21.90	21.93	22.00	0-2
		50	25	21.79	21.85	21.91	22.00	0-2
		50	50	21.78	21.80	21.76	22.00	0-2
20		100	0	21.81	21.77	21.70	22.00	0-2
		<u>1</u>	0 50	21.82	21.78 21.76	21.74	22.00	0-2 0-2
		1	99	21.72 21.88	21.76	21.79 21.78	22.00 22.00	0-2
	64-QAM	50	0	20.93	20.89	20.92	21.00	0-3
	0 1 Q/ tivi	50	25	20.82	20.77	20.86	21.00	0-3
		50	50	20.80	20.85	20.76	21.00	0-3
		100	0	20.89	20.91	20.84	21.00	0-3
		1	0	18.91	18.89	18.76	19.00	0-5
		1	50	18.83	18.86	18.91	19.00	0-5
		1	99	18.86	18.87	18.76	19.00	0-5
	256-QAM	50	0	18.78	18.80	18.81	19.00	0-5
		50	25	18.95	18.85	18.80	19.00	0-5
		50	50	18.87	18.93	18.93	19.00	0-5
	ļ	100	0	18.90	18.88	18.91	19.00	0-5
	Frequenc	cy (MHz)		1857.5	1880	1902.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		18675	18900	19125	Tolerance (dBm)	3GPP(dB)
		1	0	23.81	23.93	23.84	24.00	0
		1	36	23.93	23.79	23.79	24.00	0
		1	74	23.89	23.78	23.86	24.00	0
	QPSK	36	0	22.90	22.91	22.89	23.00	0-1
		36 36	18 37	22.90 22.79	22.77 22.84	22.81 22.84	23.00 23.00	0-1 0-1
		75	0	22.79	22.84	22.80	23.00	0-1
		1	0	22.95	22.86	22.77	23.00	0-1
		1	36	22.88	22.80	22.94	23.00	0-1
		1	74	22.77	22.91	22.92	23.00	0-1
	16-QAM	36	0	21.90	21.86	21.78	22.00	0-2
		36	18	21.76	21.86	21.78	22.00	0-2
		36	37	21.89	21.89	21.76	22.00	0-2
15		75	0	21.80	21.87	21.94	22.00	0-2
		1	0	21.88	21.91	21.93	22.00	0-2
		1	36	21.80	21.95	21.95	22.00	0-2
	64 0 4 4	1 26	74	21.91	21.77	21.87	22.00	0-2
	64-QAM	36	0 1Ω	20.88	20.88	20.91	21.00	0-3
		36 36	18 37	20.86 20.94	20.85	20.88 20.80	21.00 21.00	0-3 0-3
		75	0	20.89	20.78	20.81	21.00	0-3
		1	0	18.83	18.88	18.83	19.00	0-5
		1	36	18.90	18.89	18.87	19.00	0-5
		1	74	18.95	18.78	18.76	19.00	0-5
	256-QAM	36	0	18.79	18.89	18.83	19.00	0-5
		36	18	18.92	18.95	18.92	19.00	0-5
		36	37	18.80	18.85	18.81	19.00	0-5
		75	0	18.80	18.93	18.89	19.00	0-5

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				LTE	Band 2			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		1855	1880	1905	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		18650	18900	19150	Tolerance (ubili)	
		1	0	23.83	23.88	23.80	24.00	0
		1	25	23.81	23.78	23.92	24.00	0
	ODOK	1	49	23.84	23.77	23.87	24.00	0
	QPSK	25 25	0 12	22.76 22.87	22.83 22.90	22.80 22.94	23.00	0-1 0-1
		25	25	22.81	22.94	22.94	23.00 23.00	0-1
		50	0	22.95	22.79	22.77	23.00	0-1
		1	0	22.86	22.79	22.91	23.00	0-1
		1	25	22.87	22.82	22.89	23.00	0-1
		1	49	22.91	22.79	22.86	23.00	0-1
	16-QAM	25	0	21.78	21.91	21.79	22.00	0-2
		25	12	21.94	21.86	21.80	22.00	0-2
		25	25	21.86	21.81	21.77	22.00	0-2
10		50	0	21.76	21.88	21.81	22.00	0-2
'0		1	0	21.76	21.95	21.94	22.00	0-2
		11	25	21.88	21.76	21.95	22.00	0-2
		1	49	21.89	21.95	21.93	22.00	0-2
	64-QAM	25	0	20.86	20.91	20.92	21.00	0-3
		25	12	20.85	20.80	20.92	21.00	0-3
		25	25	20.87	20.95	20.83	21.00	0-3
		50 1	0	20.82 18.91	20.84 18.90	20.92 18.77	21.00 19.00	0-3 0-5
		1	25	18.85	18.81	18.81	19.00	0-5
		1	49	18.87	18.77	18.77	19.00	0-5
	256-QAM	25	0	18.93	18.87	18.86	19.00	0-5
	200 0,	25	12	18.80	18.85	18.79	19.00	0-5
		25	25	18.86	18.95	18.94	19.00	0-5
		50	0	18.93	18.77	18.88	19.00	0-5
	Frequenc	cy (MHz)		1852.5	1880	1907.5	Target Power + Max.	MPR Allowed per
	Cha	nnel		18625	18900	19175	Tolerance (dBm)	3GPP(dB)
		1	0	23.93	23.77	23.87	24.00	0
		1	12	23.81	23.85	23.84	24.00	0
		1	24	23.76	23.94	23.95	24.00	0
	QPSK	12	0	22.92	22.91	22.87	23.00	0-1
		12	6	22.86	22.84	22.77	23.00	0-1
		12	13	22.91	22.86	22.80	23.00	0-1
		25	0	22.88	22.89	22.81	23.00	0-1
		<u>1</u> 1	12	22.94 22.81	22.95 22.91	22.81 22.87	23.00 23.00	0-1 0-1
		1	24	22.77	22.91	22.86	23.00	0-1
	16-QAM	12	0	21.90	21.89	21.79	22.00	0-1
	. 5 30, 1111	12	6	21.87	21.89	21.73	22.00	0-2
		12	13	21.95	21.89	21.91	22.00	0-2
_ ا		25	0	21.95	21.89	21.93	22.00	0-2
5		1	0	21.80	21.87	21.77	22.00	0-2
		1	12	21.78	21.83	21.79	22.00	0-2
		1	24	21.77	21.80	21.81	22.00	0-2
	64-QAM	12	0	20.88	20.86	20.85	21.00	0-3
		12	6	20.82	20.91	20.88	21.00	0-3
		12	13	20.92	20.76	20.80	21.00	0-3
		25	0	20.83	20.84	20.76	21.00	0-3
		1	0	18.85	18.84	18.80	19.00	0-5
		1 1	12	18.76	18.94	18.94	19.00	0-5
	256-QAM	12	24	18.78	18.81	18.93	19.00	0-5
	200-QAIVI	12	0	18.86	18.76	18.80	19.00	0-5 0-5
		12 12	6 13	18.91 18.77	18.86 18.89	18.95 18.88	19.00 19.00	0-5 0-5
		14	13	10.77				
		25	0	18.88	18.86	18.83	19.00	0-5

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				LTE I	Band 7			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
, ,	Frequenc	cy (MHz)		2510	2535	2560	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char	nnel		20850	21100	21350	Tolerance (dBm)	3GI I (ub)
		1	0	23.91	22.97	23.98	24.00	0
		1 1	50 99	23.63 22.73	22.86 22.92	22.75 23.90	24.00 24.00	0
	QPSK	50	0	22.73	22.92	22.84	23.00	0-1
		50	25	22.84	22.81	22.77	23.00	0-1
		50	50	22.92	22.93	22.95	23.00	0-1
		100 1	0	22.91 22.82	22.76 22.90	22.72 22.95	23.00 23.00	0-1 0-1
		1	50	22.95	22.79	22.89	23.00	0-1
		1	99	22.84	22.87	22.79	23.00	0-1
	16-QAM	50	0	21.92	21.82	21.78	22.00	0-2
		50 50	25 50	21.87 21.94	21.88	21.95	22.00	0-2 0-2
		100	50 0	21.94	21.82 21.89	21.83 21.78	22.00 22.00	0-2
20		1	0	21.86	21.92	21.86	22.00	0-2
		1	50	21.87	21.78	21.92	22.00	0-2
		1	99	21.89	21.77	21.86	22.00	0-2
	64-QAM	50 50	0 25	20.95 20.76	20.86 20.82	20.84 20.87	21.00 21.00	0-3 0-3
		50	50	20.76	20.85	20.80	21.00	0-3
		100	0	20.86	20.87	20.91	21.00	0-3
		1	0	18.78	18.88	18.80	19.00	0-5
		1	50	18.76	18.85	18.79	19.00	0-5
	256-QAM	1 50	99	18.92	18.77 18.88	18.76	19.00	0-5 0-5
	230-QAIVI	50	25	18.93 18.88	18.86	18.82 18.93	19.00 19.00	0-5
		50	50	18.82	18.87	18.84	19.00	0-5
		100	0	18.80	18.92	18.90	19.00	0-5
	Frequenc	cy (MHz)		2507.5	2535	2562.5	Target Power + Max.	MPR Allowed per
	Char	nnel		20825	21100	21375	Tolerance (dBm)	3GPP(dB)
		1	0	23.95	23.77	23.81	24.00	0
		1	36 74	23.90	23.82	23.77	24.00	0
	QPSK	1 36	0	23.77 22.90	23.79 22.88	23.82 22.83	24.00 23.00	0-1
		36	18	22.77	22.79	22.84	23.00	0-1
		36	37	22.89	22.95	22.77	23.00	0-1
		75	0	22.88	22.92	22.89	23.00	0-1
		1 1	0 36	22.95 22.92	22.77 22.78	22.77 22.80	23.00 23.00	0-1 0-1
		1	74	22.76	22.78	22.95	23.00	0-1
	16-QAM	36	0	21.91	21.78	21.95	22.00	0-2
		36	18	21.82	21.76	21.79	22.00	0-2
		36	37	21.89	21.84	21.79	22.00	0-2
15		75 1	0	21.91 21.91	21.80 21.86	21.88 21.82	22.00 22.00	0-2 0-2
		1	36	21.91	21.92	21.02	22.00	0-2
		1	74	21.95	21.80	21.90	22.00	0-2
	64-QAM	36	0	20.78	20.93	20.80	21.00	0-3
		36	18	20.89	20.80	20.82	21.00	0-3
		36 75	37 0	20.86 20.95	20.81	20.83 20.85	21.00 21.00	0-3 0-3
		1	0	18.83	18.88	18.83	19.00	0-3
		1	36	18.79	18.88	18.90	19.00	0-5
		1	74	18.80	18.78	18.94	19.00	0-5
	256-QAM	36	0	18.90	18.81	18.82	19.00	0-5
		36	18	18.89	18.85	18.90	19.00	0-5
		36 75	37 0	18.95 18.92	18.83 18.88	18.81 18.93	19.00	0-5 0-5
i		75	U	18.92	18.88	10.93	19.00	U - O

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				LTE	Band 7			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Tourst	
	Frequen	cy (MHz)		2505	2535	2565	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		20800	21100	21400	Tolerance (ubin)	
		1	0	23.79	23.79	23.93	24.00	0
		1	25	23.91	23.81	23.85	24.00	0
	QPSK	1	49	23.89	23.89	23.86	24.00	0
	QPSK	25 25	0 12	22.88 22.93	22.85 22.84	22.88 22.89	23.00 23.00	0-1 0-1
		25	25	22.87	22.82	22.83	23.00	0-1
		50	0	22.94	22.82	22.77	23.00	0-1
		1	0	22.88	22.83	22.80	23.00	0-1
		1	25	22.89	22.84	22.91	23.00	0-1
		1	49	22.81	22.94	22.87	23.00	0-1
	16-QAM	25	0	21.94	21.79	21.83	22.00	0-2
		25	12	21.85	21.93	21.85	22.00	0-2
		25	25	21.82	21.87	21.83	22.00	0-2
10		50	0	21.94	21.88	21.86	22.00	0-2
		1	0	21.92	21.95	21.88	22.00	0-2
		1	25	21.85	21.80	21.84	22.00	0-2
	64-QAM	1 25	49 0	21.78 20.89	21.94 20.95	21.86 20.82	22.00 21.00	0-2 0-3
	04-QAW	25	12	20.88	20.95	20.82	21.00	0-3
		25	25	20.86	20.82	20.87	21.00	0-3
		50	0	20.92	20.94	20.95	21.00	0-3
		1	0	18.89	18.94	18.84	19.00	0-5
		1	25	18.83	18.77	18.85	19.00	0-5
		1	49	18.77	18.93	18.83	19.00	0-5
	256-QAM	25	0	18.85	18.87	18.81	19.00	0-5
		25	12	18.89	18.93	18.84	19.00	0-5
		25	25	18.90	18.87	18.86	19.00	0-5
		50	0	18.87	18.91	18.94	19.00	0-5
	Frequen	cy (MHz)		2502.5	2535	2567.5	Target Power + Max.	MPR Allowed per
	Cha	nnel		20775	21100	21425	Tolerance (dBm)	3GPP(dB)
		1	0	23.77	23.90	23.86	24.00	0
		1	12	23.87	23.81	23.95	24.00	0
		1	24	23.88	23.91	23.81	24.00	0
	QPSK	12	0	22.81	22.83	22.81	23.00	0-1
		12	6	22.88	22.82	22.82	23.00	0-1
		12	13	22.88	22.92	22.86	23.00	0-1
		25 1	0	22.82 22.77	22.78 22.78	22.90 22.89	23.00 23.00	0-1 0-1
		1	12	22.84	22.76	22.89	23.00	0-1
		1	24	22.92	22.84	22.84	23.00	0-1
	16-QAM	12	0	21.78	21.78	21.82	22.00	0-2
		12	6	21.78	21.80	21.89	22.00	0-2
		12	13	21.81	21.95	21.90	22.00	0-2
5		25	0	21.95	21.92	21.95	22.00	0-2
"		1	0	21.89	21.86	21.80	22.00	0-2
		1	12	21.93	21.76	21.85	22.00	0-2
		1	24	21.93	21.91	21.91	22.00	0-2
	64-QAM	12	0	20.94	20.83	20.95	21.00	0-3
		12	6	20.83	20.83	20.92	21.00	0-3
		12	13	20.93	20.89	20.93	21.00	0-3
		25	0	20.78	20.89	20.77	21.00	0-3
		1	0	18.78	18.87	18.81	19.00	0-5
		1	12	18.93	18.77	18.86	19.00	0-5
	256-QAM	1 12	24 0	18.76 18.95	18.87 18.80	18.94 18.88	19.00 19.00	0-5 0-5
	200-QAIVI	12	6	18.95	18.80	18.88	19.00	0-5
		12	13	18.94	18.88	18.78	19.00	0-5
		25	0	18.77	18.95	18.91	19.00	0-5
		_0	,		. 0.00			

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc			1720	1745	1770	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Cha	nnel		132072	132322	132572	Tolerance (dBm)	0011 (42)
		1	0	23.96	23.99	23.94	24.00	0
		1 1	50 99	23.57 23.95	23.91 23.84	23.89 23.86	24.00 24.00	0
	QPSK	50	0	22.86	22.87	22.89	23.00	0-1
		50	25	22.85	22.79	22.92	23.00	0-1
		50 100	50 0	22.96 22.78	22.94 22.91	22.93 22.87	23.00 23.00	0-1 0-1
		1	0	22.76	22.91	22.86	23.00	0-1
		1	50	22.83	22.78	22.81	23.00	0-1
		1	99	22.85	22.85	22.89	23.00	0-1
	16-QAM	50	0	21.84	21.83	21.81	22.00	0-2
		50 50	25 50	21.89 21.88	21.82 21.94	21.91 21.79	22.00 22.00	0-2 0-2
		100	0	21.79	21.94	21.79	22.00	0-2
20		1	0	21.84	21.77	21.78	22.00	0-2
		1	50	21.88	21.82	21.78	22.00	0-2
		1 50	99	21.87	21.86	21.94	22.00	0-2
	64-QAM	50 50	0 25	20.87	20.83 20.80	20.81	21.00 21.00	0-3 0-3
		50	50	20.79	20.95	20.77	21.00	0-3
		100	0	20.82	20.90	20.83	21.00	0-3
		1	0	18.90	18.95	18.88	19.00	0-5
		1	50	18.89	18.78	18.83	19.00	0-5
	256-QAM	1 50	99	18.96	18.81	18.81 18.96	19.00 19.00	0-5
	256-QAIVI	50	25	18.77 18.90	18.92 18.89	18.92	19.00	0-5 0-5
		50	50	18.96	18.84	18.89	19.00	0-5
		100	0	18.96	18.85	18.81	19.00	0-5
	Frequenc	cy (MHz)		1717.5	1745	1772.5	Target Power + Max.	MPR Allowed per
	Cha	nnel		132047	132322	132597	Tolerance (dBm)	3GPP(dB)
		1	0	23.78	23.85	23.83	24.00	0
		1	36	23.93	23.93	23.90	24.00	0
	QPSK	36	74 0	23.90 22.79	23.87 22.85	23.90 22.80	24.00 23.00	0 0-1
	α. σ. τ	36	18	22.86	22.91	22.82	23.00	0-1
		36	37	22.84	22.86	22.94	23.00	0-1
		75	0	22.81	22.79	22.86	23.00	0-1
		<u>1</u> 1	0 36	22.96 22.94	22.88 22.93	22.86 22.96	23.00 23.00	0-1 0-1
		1	74	22.94	22.93	22.89	23.00	0-1
	16-QAM	36	0	21.82	21.87	21.93	22.00	0-2
		36	18	21.92	21.79	21.83	22.00	0-2
		36	37	21.95	21.92	21.79	22.00	0-2
15		75 1	0	21.93	21.81	21.94 21.93	22.00	0-2 0-2
		1	36	21.77 21.93	21.88 21.87	21.93	22.00 22.00	0-2
		1	74	21.92	21.91	21.83	22.00	0-2
	64-QAM	36	0	20.80	20.85	20.95	21.00	0-3
		36	18	20.85	20.82	20.77	21.00	0-3
		36	37	20.85	20.83	20.80	21.00	0-3
		75 1	0	20.77 18.88	20.86 18.80	20.80 18.92	21.00 19.00	0-3 0-5
		1	36	18.82	18.79	18.86	19.00	0-5
		1	74	18.82	18.83	18.88	19.00	0-5
	256-QAM	36	0	18.84	18.78	18.92	19.00	0-5
		36	18	18.90	18.84	18.86	19.00	0-5
		36 75	37	18.82	18.87	18.86	19.00	0-5 0-5
		75	0	18.85	18.79	18.91	19.00	0-5

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
, ,	Frequenc	cy (MHz)	ļ	1715	1745	1775	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Cha	nnel		132022	132322	132622	Tolerance (dBm)	0011 (42)
		1	0	23.80	23.86	23.84	24.00	0
		1	25 49	23.94	23.83 23.92	23.77 23.84	24.00 24.00	0
	QPSK	25	0	22.85	22.84	22.89	23.00	0-1
		25	12	22.94	22.80	22.95	23.00	0-1
		25	25 0	22.79 22.90	22.94 22.83	22.80 22.85	23.00	0-1 0-1
		50 1	0	22.90	22.83	22.85	23.00 23.00	0-1
		1	25	22.77	22.89	22.85	23.00	0-1
		1	49	22.89	22.88	22.77	23.00	0-1
	16-QAM	25	0	21.77	21.88	21.91	22.00	0-2
		25 25	12 25	21.96 21.86	21.80 21.81	21.96 21.94	22.00 22.00	0-2 0-2
		50	0	21.88	21.89	21.94	22.00	0-2
10		1	0	21.87	21.87	21.86	22.00	0-2
		1	25	21.80	21.79	21.81	22.00	0-2
	l l	1	49	21.82	21.92	21.87	22.00	0-2
	64-QAM	25	0 12	20.83	20.92	20.77	21.00	0-3
		25 25	25	20.90 20.77	20.87	20.82 20.77	21.00 21.00	0-3 0-3
		50	0	20.83	20.78	20.77	21.00	0-3
		1	0	18.85	18.96	18.83	19.00	0-5
		1	25	18.77	18.84	18.85	19.00	0-5
	l	1	49	18.79	18.80	18.94	19.00	0-5
	256-QAM	25 25	0 12	18.89 18.79	18.81 18.80	18.83 18.84	19.00 19.00	0-5 0-5
		25 25	25	18.79	18.81	18.90	19.00	0-5
		50	0	18.80	18.94	18.88	19.00	0-5
	Frequenc	cy (MHz)		1712.5	1745	1777.5	Target Power + Max.	MPR Allowed per
	Cha	nnel		131997	132322	132647	Tolerance (dBm)	3GPP(dB)
		1	0	23.89	23.78	23.81	24.00	0
		1	12	23.91	23.90	23.89	24.00	0
	QPSK	1 12	24	23.95	23.77	23.78	24.00	0
	QF3N	12	0 6	22.91 22.83	22.92 22.93	22.89 22.82	23.00 23.00	0-1 0-1
		12	13	22.90	22.91	22.79	23.00	0-1
		25	0	22.94	22.93	22.96	23.00	0-1
		1	0	22.82	22.91	22.96	23.00	0-1
		<u>1</u>	12 24	22.79	22.80	22.80	23.00	0-1
	16-QAM	1 12	0	22.88 21.89	22.85 21.93	22.92 21.92	23.00 22.00	0-1 0-2
	10 00 1111	12	6	21.83	21.79	21.83	22.00	0-2
		12	13	21.82	21.83	21.92	22.00	0-2
5		25	0	21.86	21.84	21.80	22.00	0-2
		1	0	21.83	21.84	21.94	22.00	0-2
		<u>1</u> 1	12 24	21.85 21.77	21.93 21.94	21.93 21.86	22.00 22.00	0-2 0-2
	64-QAM	12	0	20.89	20.85	20.87	21.00	0-3
		12	6	20.96	20.79	20.96	21.00	0-3
		12	13	20.95	20.86	20.78	21.00	0-3
		25	0	20.88	20.85	20.88	21.00	0-3
		1	0	18.80	18.87	18.90	19.00	0-5
		1	12 24	18.85 18.78	18.86 18.77	18.95 18.92	19.00 19.00	0-5 0-5
	256-QAM	12	0	18.78	18.86	18.81	19.00	0-5
		12	6	18.84	18.82	18.81	19.00	0-5
		12	13	18.92	18.90	18.81	19.00	0-5
		25	0	18.77	18.83	18.92	19.00	0-5

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				LTE E	Band 66			
D\A/(\Alb-\)	Marabalasian	DD 0:	DD 0#			(dDm)		
BW(Mhz)	Modulation	RB Size	RB Offset	Condi	ucted power	(aBm)	Target	MDD Alleured asse
	Frequen	cy (MHz)		1711.5	1745	1778.5	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		131987	132322	132657	, ,	
		1	7	23.95	23.92	23.84	24.00	0
		1	14	23.86 23.89	23.77 23.88	23.92 23.79	24.00 24.00	0
	QPSK	8	0	22.86	22.78	22.87	23.00	0-1
		8	4	22.93	22.85	22.90	23.00	0-1
		8	7	22.94	22.96	22.96	23.00	0-1
		15	0	22.96	22.79	22.84	23.00	0-1
		1	7	22.84 22.89	22.94 22.84	22.90 22.90	23.00 23.00	0-1 0-1
		1	14	22.92	22.96	22.92	23.00	0-1
	16-QAM	8	0	21.80	21.94	21.87	22.00	0-2
		8	4	21.86	21.95	21.79	22.00	0-2
		8	7	21.90	21.83	21.81	22.00	0-2
3		15	0	21.79	21.85	21.83	22.00	0-2
		1	0	21.88	21.96	21.80	22.00	0-2
		1	7 14	21.96 21.87	21.95 21.91	21.96 21.89	22.00 22.00	0-2 0-2
	64-QAM	8	0	20.93	20.84	20.91	21.00	0-2
	0 . 0	8	4	20.92	20.80	20.89	21.00	0-3
		8	7	20.81	20.85	20.80	21.00	0-3
		15	0	20.96	20.92	20.95	21.00	0-3
		1	0	18.85	18.78	18.80	19.00	0-5
		1	7	18.94	18.88	18.81	19.00	0-5
		1	14	18.85	18.84	18.87	19.00	0-5
	256-QAM	8	0	18.86	18.92	18.88	19.00	0-5
		8 8	7	18.88 18.94	18.88 18.80	18.96 18.77	19.00 19.00	0-5 0-5
		15	0	18.85	18.81	18.91	19.00	0-5
	Frequen	_	ŭ	1710.7	1745	1779.3	Target	MPR Allowed per
	Cha	nnel		131979	132322	132665	Power + Max. Tolerance (dBm)	3GPP(dB)
		1	0	23.94	23.86	23.81	24.00	0
		1	2	23.91	23.95	23.79	24.00	0
		1	5	23.90	23.77	23.77	24.00	0
	QPSK	3	0	22.96	22.81	22.94	23.00	0-1
		3	2	22.83	22.91	22.96	23.00	0-1
		3	3	22.87	22.77	22.87	23.00	0-1
		6	0	22.85	22.83	22.93	23.00	0-1
		1	0 2	22.92 22.93	22.90 22.92	22.79 22.90	23.00 23.00	0-1 0-1
		1	5	22.95	22.88	22.79	23.00	0-1
	16-QAM	3	0	21.87	21.96	21.96	22.00	0-2
		3	2	21.87	21.81	21.80	22.00	0-2
		3	3	21.86	21.81	21.89	22.00	0-2
1.4		6	0	21.80	21.86	21.79	22.00	0-2
		1	0	21.80	21.87	21.95	22.00	0-2
		1	2	21.82	21.93	21.96	22.00	0-2
	64-QAM	3	5 0	21.93 20.85	21.92	21.83 20.96	22.00 21.00	0-2 0-3
	U4-WAIVI	3	2	20.85	20.80	20.80	21.00	0-3
		3	3	20.94	20.77	20.80	21.00	0-3
		6	0	20.82	20.88	20.93	21.00	0-3
		1	0	18.94	18.84	18.94	19.00	0-5
		1	2	18.96	18.80	18.86	19.00	0-5
	l	1	5	18.77	18.95	18.79	19.00	0-5
	256-QAM	3	0	18.94	18.81	18.92	19.00	0-5
		3	2	18.86	18.82	18.81	19.00	0-5
		3	3	18.91	18.80	18.91	19.00	0-5
ļ		6	0	18.85	18.91	18.82	19.00	0-5

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Notebook mode

Tx8-LTE TDD Band 42 / Band 48 power table:

		<u>J Juli</u>			Band 42	wer ta	<u> </u>	
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)	l	3560	3575	3590	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Cha	nnel		43190	43340	43490	Tolerance (dBm)	,
		1	0	23.75	23.79	23.69	24.00	0
		1	50	23.65	23.62	23.63	24.00	0
	QPSK	1 50	99	23.71	23.61	23.60	24.00	0
	QPSK	50 50	0 25	22.55 22.68	22.67 22.73	22.66 22.71	23.00 23.00	0-1 0-1
		50	50	22.64	22.65	22.58	23.00	0-1
		100	0	22.57	22.62	22.59	23.00	0-1
		1	0	22.67	22.71	22.64	23.00	0-1
		1	50	22.68	22.63	22.61	23.00	0-1
		1	99	22.62	22.57	22.59	23.00	0-1
	16-QAM	50	0	21.65	21.64	21.54	22.00	0-2
		50	25	21.60	21.65	21.66	22.00	0-2
		50	50	21.67	21.69 21.66	21.73	22.00 22.00	0-2 0-2
20	\vdash	100	0	21.66 21.73	21.62	21.55 21.73	22.00	0-2
		1	50	21.73	21.58	21.73	22.00	0-2
		1	99	21.62	21.62	21.60	22.00	0-2
	64-QAM	50	0	20.69	20.56	20.57	21.00	0-3
		50	25	20.67	20.64	20.66	21.00	0-3
		50	50	20.61	20.67	20.72	21.00	0-3
		100	0	20.56	20.58	20.63	21.00	0-3
		1	0	18.63	18.73	18.68	19.00	0-5
		1	50	18.70	18.72	18.63	19.00	0-5
	256-QAM	1 50	99	18.65	18.63	18.73	19.00	0-5
	256-QAIVI	50 50	0 25	18.60 18.65	18.61 18.71	18.65 18.63	19.00 19.00	0-5 0-5
		50	50	18.62	18.70	18.59	19.00	0-5
		100	0	18.68	18.61	18.59	19.00	0-5
	Frequenc		•	3407.5	3453.8	3592.5	Target	MPR Allowed per
	Cha	nnel		41665	42128	43515	Power + Max. Tolerance (dBm)	3GPP(dB)
		1	0	23.62	23.63	23.54	24.00	0
		1	36	23.65	23.65	23.65	24.00	0
		1	74	23.65	23.58	23.70	24.00	0
	QPSK	36	0	22.68	22.58	22.64	23.00	0-1
		36	18	22.68	22.70	22.55	23.00	0-1
		36	37	22.63	22.72	22.66	23.00	0-1
		75	0	22.60	22.72	22.72	23.00	0-1
		1	0	22.58	22.64	22.72 22.69	23.00	0-1
		1	36 74	22.69 22.66	22.56 22.55	22.69	23.00 23.00	0-1 0-1
	16-QAM	36	0	22.66	22.55	22.56	23.00	0-1
	10 Q/NW	36	18	21.69	21.69	21.73	22.00	0-2
		36	37	21.54	21.71	21.60	22.00	0-2
45		75	0	21.54	21.56	21.63	22.00	0-2
15		1	0	21.71	21.58	21.72	22.00	0-2
		1	36	21.59	21.55	21.57	22.00	0-2
		1	74	21.58	21.67	21.71	22.00	0-2
	64-QAM	36	0	20.64	20.64	20.67	21.00	0-3
		36	18	20.64	20.55	20.66	21.00	0-3
		36	37	20.64	20.67	20.56	21.00	0-3
	\vdash	75	0	20.58	20.67	20.62	21.00	0-3
		1	0 36	18.64 18.72	18.60 18.69	18.65 18.70	19.00 19.00	0-5 0-5
					18.71	18.66	19.00	0-5
		1	//					
	256-QAM	1 36	74	18.62 18.64				
	256-QAM	1 36 36	74 0 18	18.64 18.70	18.64	18.73 18.71	19.00 19.00	0-5
	256-QAM	36	0	18.64		18.73	19.00	

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				LTE E	Band 42			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc			3405	3452.5	3595	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai	nnel		41640	42115	43540	Tolerance (dBm)	
		1	0	23.59	23.67	23.56	24.00	0
		1	25 49	23.59 23.63	23.55 23.59	23.73 23.69	24.00 24.00	0
	QPSK	25	0	22.60	22.73	22.58	23.00	0-1
		25	12	22.60	22.64	22.66	23.00	0-1
		25	25 0	22.72 22.60	22.71 22.73	22.67 22.63	23.00	0-1 0-1
		50 1	0	22.73	22.73	22.55	23.00 23.00	0-1
		1	25	22.60	22.57	22.69	23.00	0-1
		1	49	22.56	22.70	22.71	23.00	0-1
	16-QAM	25	0	21.62	21.57	21.54	22.00	0-2
		25 25	12 25	21.61 21.68	21.65 21.59	21.64 21.73	22.00 22.00	0-2 0-2
1 40		50	0	21.67	21.59	21.73	22.00	0-2
10		1	0	21.56	21.69	21.64	22.00	0-2
		1	25	21.62	21.72	21.59	22.00	0-2
	04.0444	1	49	21.71	21.73	21.64	22.00	0-2
	64-QAM	25 25	0 12	20.62	20.64 20.68	20.56 20.59	21.00 21.00	0-3 0-3
		25	25	20.68	20.61	20.69	21.00	0-3
		50	0	20.63	20.55	20.72	21.00	0-3
		1	0	18.65	18.70	18.55	19.00	0-5
		1	25	18.70	18.56	18.65	19.00	0-5
	256-QAM	1 25	49 0	18.70 18.54	18.67	18.62	19.00 19.00	0-5
	256-QAIVI	25	12	18.68	18.62 18.72	18.57 18.56	19.00	0-5 0-5
		25	25	18.58	18.71	18.67	19.00	0-5
		50	0	18.57	18.66	18.73	19.00	0-5
	Frequenc	cy (MHz)		3402.5	3451.3	3597.5	Target Power + Max.	MPR Allowed per
	Char			41615	42103	43565	Tolerance (dBm)	3GPP(dB)
		1	0	23.73	23.61	23.72	24.00	0
		1	12	23.57	23.59	23.71	24.00	0
	QPSK	12	24 0	23.71 22.58	23.73 22.65	23.65 22.63	24.00 23.00	0 0-1
		12	6	22.67	22.55	22.73	23.00	0-1
		12	13	22.68	22.71	22.67	23.00	0-1
		25	0	22.68	22.68	22.54	23.00	0-1
		<u>1</u>	0 12	22.61	22.69	22.63 22.67	23.00	0-1 0-1
		1 1	12 24	22.66 22.62	22.72 22.55	22.67	23.00	0-1 0-1
	16-QAM	12	0	21.61	21.69	21.57	22.00	0-2
		12	6	21.60	21.62	21.55	22.00	0-2
	[12	13	21.65	21.62	21.62	22.00	0-2
5		25	0	21.61	21.62	21.70	22.00	0-2
		1 1	0 12	21.57 21.64	21.72 21.56	21.57 21.73	22.00 22.00	0-2 0-2
		1	24	21.73	21.62	21.73	22.00	0-2
	64-QAM	12	0	20.59	20.72	20.63	21.00	0-3
	[12	6	20.65	20.54	20.70	21.00	0-3
		12	13	20.65	20.64	20.70	21.00	0-3
		25 1	0	20.72 18.72	20.61 18.58	20.64 18.70	21.00 19.00	0-3 0-5
		1	12	18.56	18.73	18.71	19.00	0-5
		1	24	18.63	18.55	18.60	19.00	0-5
	256-QAM	12	0	18.67	18.61	18.62	19.00	0-5
		12	6	18.54	18.72	18.59	19.00	0-5
		12	13	18.58	18.69	18.64	19.00	0-5 0-5
		25	0	18.69	18.66	18.73	19.00	0-5

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					LTE Band 4	8			
BW(Mhz)	Modulation	RB Size	RB Offset		Conducted p	oower (dBm)			
	Frequen	cy (MHz)		3560	3603.3	3646.7	3690	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		55340	55773	56207	56640	Toloranoo (abiii)	
		1	0	21.53	21.58	21.51	21.45	22.00	0
		1	50	21.46	21.47	21.44	21.32	22.00	0
		1	99	21.39	21.43	21.46	21.43	22.00	0
	QPSK	50	0	20.35	20.47	20.48	20.37	21.00	0-1
		50	25	20.42	20.41	20.50	20.39	21.00	0-1
İ		50	50	20.56	20.55	20.53	20.45	21.00	0-1
		100	0	20.40	20.36	20.38	20.46	21.00	0-1
		1	0	20.42	20.42	20.45	20.50	21.00	0-1
		1	50	20.52	20.40	20.48	20.43	21.00	0-1
	16-QAM	1 50	99	20.39	20.43	20.47	20.56	21.00	0-1
	16-QAIVI	50	0	19.49	19.42	19.39	19.55	20.00	0-2
		50 50	25 50	19.37 19.44	19.42 19.40	19.52 19.40	19.48 19.39	20.00	0-2 0-2
		100	0	19.44	19.40	19.40	19.54	20.00	0-2
20		1	0	19.46	19.54	19.54	19.55	20.00	0-2
		1	50	19.46	19.50	19.40	19.41	20.00	0-2
		1	99	19.42	19.54	19.40	19.42	20.00	0-2
	64-QAM	50	0	18.43	18.49	18.52	18.54	19.00	0-3
	0. 0	50	25	18.46	18.46	18.54	18.52	19.00	0-3
		50	50	18.40	18.56	18.55	18.37	19.00	0-3
		100	0	18.37	18.42	18.38	18.52	19.00	0-3
	256-QAM	1	0	16.37	16.46	16.50	16.37	17.00	0-5
		1	50	16.56	16.42	16.37	16.50	17.00	0-5
		1	99	16.38	16.39	16.38	16.41	17.00	0-5
		50	0	16.47	16.52	16.42	16.39	17.00	0-5
		50	25	16.53	16.50	16.52	16.45	17.00	0-5
		50	50	16.46	16.47	16.53	16.52	17.00	0-5
		100	0	16.46	16.51	16.49	16.54	17.00	0-5
	Frequen	cy (MHz)		3557.5	3602.5	3647.5	3692.5	Target Power + Max.	MPR Allowed per
	Cha	nnel		55315	55765	56215	56665	Tolerance (dBm)	3GPP(dB)
		1	0	21.45	21.37	21.54	21.56	22.00	0
		1	36	21.50	21.41	21.41	21.38	22.00	0
		1	74	21.56	21.37	21.56	21.37	22.00	0
	QPSK	36	0	20.56	20.37	20.44	20.50	21.00	0-1
		36	18	20.44	20.49	20.44	20.40	21.00	0-1
		36	37	20.47	20.39	20.41	20.54	21.00	0-1
		75	0	20.45	20.42	20.42	20.55	21.00	0-1
		1	0	20.40	20.54	20.47	20.52	21.00	0-1
		1	36	20.54	20.45	20.52	20.56	21.00	0-1
	16-QAM	1	74	20.55	20.38	20.55	20.52	21.00	0-1
	To-QAM	36	0	19.55	19.53	19.37	19.50	20.00	0-2
		36	18	19.47	19.44	19.56	19.41	20.00	0-2
		36 75	37 0	19.54 19.56	19.46 19.54	19.44	19.55 19.45	20.00	0-2
					1454	19.53	19.45	20.00	0-2
15						10.42	10.40	20.00	0.2
15		1	0	19.55	19.38	19.43	19.49	20.00	0-2
15		1 1	0 36	19.55 19.51	19.38 19.45	19.41	19.51	20.00	0-2
15	64-OAM	1 1 1	0 36 74	19.55 19.51 19.40	19.38 19.45 19.47	19.41 19.54	19.51 19.44	20.00 20.00	0-2 0-2
15	64-QAM	1 1 1 36	0 36 74 0	19.55 19.51 19.40 18.51	19.38 19.45 19.47 18.43	19.41 19.54 18.47	19.51 19.44 18.52	20.00 20.00 19.00	0-2 0-2 0-3
15	64-QAM	1 1 1 36 36	0 36 74 0 18	19.55 19.51 19.40 18.51 18.40	19.38 19.45 19.47 18.43 18.46	19.41 19.54 18.47 18.38	19.51 19.44 18.52 18.46	20.00 20.00 19.00 19.00	0-2 0-2 0-3 0-3
15	64-QAM	1 1 1 36 36 36	0 36 74 0 18 37	19.55 19.51 19.40 18.51 18.40 18.50	19.38 19.45 19.47 18.43 18.46 18.43	19.41 19.54 18.47 18.38 18.40	19.51 19.44 18.52 18.46 18.56	20.00 20.00 19.00 19.00 19.00	0-2 0-2 0-3 0-3 0-3
15	64-QAM	1 1 1 36 36 36 36 75	0 36 74 0 18 37	19.55 19.51 19.40 18.51 18.40 18.50 18.50	19.38 19.45 19.47 18.43 18.46 18.43 18.50	19.41 19.54 18.47 18.38 18.40 18.49	19.51 19.44 18.52 18.46 18.56 18.47	20.00 20.00 19.00 19.00 19.00 19.00	0-2 0-2 0-3 0-3 0-3 0-3
15	64-QAM	1 1 1 36 36 36 75	0 36 74 0 18 37 0	19.55 19.51 19.40 18.51 18.40 18.50 18.50 16.41	19.38 19.45 19.47 18.43 18.46 18.43 18.50 16.38	19.41 19.54 18.47 18.38 18.40 18.49 16.54	19.51 19.44 18.52 18.46 18.56 18.47 16.49	20.00 20.00 19.00 19.00 19.00 19.00 17.00	0-2 0-2 0-3 0-3 0-3 0-3 0-3
15	64-QAM	1 1 36 36 36 75 1	0 36 74 0 18 37 0 0	19.55 19.51 19.40 18.51 18.40 18.50 18.50 16.41 16.53	19.38 19.45 19.47 18.43 18.46 18.43 18.50 16.38	19.41 19.54 18.47 18.38 18.40 18.49 16.54 16.40	19.51 19.44 18.52 18.46 18.56 18.47 16.49	20.00 20.00 19.00 19.00 19.00 19.00 17.00	0-2 0-2 0-3 0-3 0-3 0-3 0-3 0-5 0-5
15		1 1 36 36 36 75 1 1	0 36 74 0 18 37 0 0 36 74	19.55 19.51 19.40 18.51 18.40 18.50 18.50 16.41 16.53 16.47	19.38 19.45 19.47 18.43 18.46 18.43 18.50 16.38 16.52 16.45	19.41 19.54 18.47 18.38 18.40 18.49 16.54 16.40	19.51 19.44 18.52 18.46 18.56 18.47 16.49 16.50 16.47	20.00 20.00 19.00 19.00 19.00 19.00 17.00 17.00	0-2 0-2 0-3 0-3 0-3 0-3 0-3 0-5 0-5
15	64-QAM 256-QAM	1 1 36 36 36 75 1	0 36 74 0 18 37 0 0 0 36 74	19.55 19.51 19.40 18.51 18.40 18.50 18.50 16.41 16.53 16.47 16.52	19.38 19.45 19.47 18.43 18.46 18.50 16.52 16.52 16.53	19.41 19.54 18.47 18.38 18.40 18.49 16.54 16.40 16.42	19.51 19.44 18.52 18.46 18.56 18.47 16.49 16.50 16.47	20.00 20.00 19.00 19.00 19.00 19.00 17.00 17.00 17.00	0-2 0-2 0-3 0-3 0-3 0-3 0-5 0-5 0-5
15		1 1 36 36 36 75 1 1 1 36	0 36 74 0 18 37 0 0 36 74	19.55 19.51 19.40 18.51 18.40 18.50 18.50 16.41 16.53 16.47	19.38 19.45 19.47 18.43 18.46 18.43 18.50 16.38 16.52 16.45	19.41 19.54 18.47 18.38 18.40 18.49 16.54 16.40	19.51 19.44 18.52 18.46 18.56 18.47 16.49 16.50 16.47	20.00 20.00 19.00 19.00 19.00 19.00 17.00 17.00	0-2 0-2 0-3 0-3 0-3 0-3 0-3 0-5 0-5

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BW(Mhz) N	Modulation	RB Size							
		5.20	RB Offset		Conducted p	oower (dBm)			
	Frequenc	cy (MHz)		3555	3601.7	3648.3	3695	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		55290	55757	56223	56690	Tolerance (dbill)	
1		1	0	21.45	21.39	21.54	21.39	22.00	0
1	ļ.	1	25	21.55	21.44	21.55	21.46	22.00	0
	QPSK	1	49	21.49	21.41	21.54	21.42	22.00	0
	QP3K	25 25	0 12	20.56	20.40 20.54	20.41	20.41 20.38	21.00 21.00	0-1 0-1
	F	25	25	20.55	20.43	20.53	20.53	21.00	0-1
	F	50	0	20.52	20.47	20.38	20.38	21.00	0-1
		1	0	20.51	20.40	20.42	20.40	21.00	0-1
1		1	25	20.52	20.40	20.41	20.43	21.00	0-1
1		1	49	20.54	20.44	20.42	20.50	21.00	0-1
1	16-QAM	25	0	19.45	19.52	19.37	19.52	20.00	0-2
	ŀ	25	12	19.45	19.45	19.50	19.50	20.00	0-2
	ŀ	25 50	25 0	19.45 19.46	19.39 19.45	19.37 19.45	19.56 19.56	20.00	0-2 0-2
10		1	0	19.46	19.45	19.45	19.50	20.00	0-2
	ŀ	1	25	19.40	19.45	19.54	19.49	20.00	0-2
1	F	1	49	19.44	19.44	19.43	19.55	20.00	0-2
1	64-QAM	25	0	18.38	18.51	18.51	18.49	19.00	0-3
1		25	12	18.48	18.55	18.54	18.52	19.00	0-3
1		25	25	18.53	18.41	18.42	18.54	19.00	0-3
l ⊢		50	0	18.53	18.41	18.52	18.55	19.00	0-3
1	-	1	0	16.47	16.45	16.53	16.56	17.00	
		1 1	25 49	16.37	16.42 16.46	16.40	16.53 16.44	17.00	
1.	256-QAM	25	0	16.39 16.50	16.48	16.46 16.53	16.44	17.00 17.00	0-3 0-3 0-3 0-3 0-5 0-5 0-5 0-5 0-5 0-5 0-5 0-5 0-5 0-5
1 1	230-QAIVI	25	12	16.55	16.38	16.38	16.46	17.00	
1	F	25	25	16.46	16.42	16.37	16.51	17.00	
1		50	0	16.49	16.51	16.51	16.56	17.00	
	Frequenc	y (MHz)		3552.5	3600.8	3649.2	3697.5	Target Power + Max.	
	Char	nnel		55265	55748	56232	56715	Tolerance (dBm)	3GPP(dB)
1	Ļ	1	0	21.38	21.37	21.46	21.49	22.00	0
1		1	12	21.39	21.40	21.37	21.40	22.00	0
1	QPSK	1 12	24 0	21.54	21.45	21.53	21.52	22.00	0
1	QF3N	12	6	20.49	20.47 20.53	20.47	20.46 20.40	21.00 21.00	0-1 0-1
1	ŀ	12	13	20.54	20.42	20.50	20.53	21.00	0-1
1	F	25	0	20.43	20.50	20.56	20.50	21.00	0-1
		1	0	20.54	20.53	20.45	20.46	21.00	0-1
		1	12	20.52	20.53	20.46	20.38	21.00	0-1
	[11	24	20.53	20.41	20.44	20.48	21.00	0-1
	16-QAM	12	0	19.52	19.37	19.53	19.43	20.00	0-2
	ŀ	12	6	19.41	19.48	19.54	19.42	20.00	0-2
	ŀ	12 25	13 0	19.39 19.52	19.49 19.54	19.50 19.49	19.46 19.52	20.00	0-2 0-2
5		1	0	19.32	19.34	19.49	19.32	20.00	0-2
	ŀ	1	12	19.45	19.54	19.39	19.38	20.00	0-2
	ŀ	1	24	19.42	19.47	19.56	19.50	20.00	0-2
	64-QAM	12	0	18.37	18.44	18.47	18.45	19.00	0-3
	Į.	12	6	18.42	18.40	18.37	18.41	19.00	0-3
	Ļ	12	13	18.40	18.46	18.42	18.42	19.00	0-3
-		25	0	18.53	18.45	18.43	18.46	19.00	0-3
	ŀ	1 1	0	16.48	16.44	16.43	16.53	17.00	0-5
	ŀ	1	12 24	16.37 16.52	16.39 16.46	16.43 16.54	16.49 16.55	17.00 17.00	0-5 0-5
	256-QAM	12	0	16.44	16.46	16.44	16.55	17.00	0-5
[12	6	16.37	16.42	16.38	16.50	17.00	0-5
	ŀ	12	13	16.42	16.49	16.51	16.46	17.00	0-5
	-	25	0	16.37	16.55	16.49	16.45	17.00	0-5

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Notebook mode

Tx8-5G NR n2 / n7 / n41 / n66 power table:

	NK IIZ/		. 7о с		NR n2			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target	
	Frequenc	cy (MHz)		1860	1880	1900	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		372000	376000	380000	Tolerance (dbin)	
		1	1	23.18	23.04	23.05	24.00	0
		1	53	22.99	22.87	22.92	24.00	0
		1	104	22.89	22.94	22.91	24.00	0
	Pi/2 BPSK	50	0	22.85	22.97	22.89	24.00	0
		50	28	22.99	22.88	22.97	24.00	0
		50	56	23.02	22.98	23.03	24.00	0
		100	0	22.40	22.51	22.46	23.50	0-0.5
		1	1	23.03	23.02	23.00	24.00	0
20	20	1	53	22.90	22.96	22.93	24.00	0
		1	104	22.87	22.93	22.88	24.00	0
	QPSK	50	0	23.03	22.85	22.94	24.00	0
		50	28	23.00	23.00	22.96	24.00	0
		50	56	22.85	22.99	23.02	24.00	0
		100	0	21.93	21.95	21.92	23.00	0-1
	16-QAM	1	1	21.96	21.93	21.93	23.00	0-1
	64QAM	1	1	20.45	20.38	20.45	21.50	0-2.5
	256-QAM	1	1	18.53	18.43	18.38	19.50	0-4.5
	Frequenc	cy (MHz)		1857.5	1880	1902.5	Target Power + Max.	MPR Allowed per
	Char	nnel		371500	376000	380500	Tolerance (dBm)	3GPP(dB)
15	Pi/2 BPSK	1	1	22.93	23.00	22.92	24.00	0
	Frequenc	cy (MHz)		1855	1880	1905	Target Power + Max.	MPR Allowed per
	Char	nnel		371000	376000	381000	Tolerance (dBm)	3GPP(dB)
10	Pi/2 BPSK	1	1	22.87	22.92	22.95	24.00	0
	Frequenc	cy (MHz)		1852.5	1880	1907.5	Target Power + Max.	MPR Allowed per
	Channel				376000	381500	Tolerance (dBm)	3GPP(dB)
5	Pi/2 BPSK	1	1	22.89	22.91	22.97	24.00	0

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	5G NR n7											
				30 1	NIX III							
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ıcted power	(dBm)	Target					
	Frequenc	cy (MHz)		2510	2535	2560	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)				
	Chai	nnel		502000	507000	512000	Tolerance (ubin)					
		1	1	23.53	23.48	23.52	24.00	0				
		1	53	23.46	23.43	23.40	24.00	0				
		1	104	23.43	23.26	23.06	24.00	0				
	Pi/2 BPSK	50	0	23.46	23.51	23.50	24.00	0				
		50	28	23.39	23.41	23.49	24.00	0				
		50	56	23.43	23.50	23.48	24.00	0				
		100	0	22.99	22.87	22.95	23.50	0-0.5				
	20	1	1	23.37	23.47	23.45	24.00	0				
20		1	53	23.46	23.40	23.49	24.00	0				
		1	104	23.39	23.33	23.44	24.00	0				
	QPSK	50	0	23.43	23.37	23.36	24.00	0				
		50	28	23.49	23.38	23.37	24.00	0				
		50	56	23.33	23.42	23.47	24.00	0				
		100	0	22.33	22.47	22.46	23.00	0-1				
	16-QAM	1	1	22.43	22.33	22.36	23.00	0-1				
	64QAM	1	1	21.02	20.97	20.88	21.50	0-2.5				
	256-QAM	1	1	18.93	19.00	18.85	19.50	0-4.5				
	Frequenc	cy (MHz)		2507.5	2535	2562.5	Target Power + Max.	MPR Allowed per				
	Chai	nnel		501500	507000	512500	Tolerance (dBm)	3GPP(dB)				
15	Pi/2 BPSK	1	1	23.33	23.52	23.34	24.00	0				
	Frequenc	cy (MHz)		2505	2535	2565	Target Power + Max.	MPR Allowed per				
	Chai	nnel		501000	507000	513000	Tolerance (dBm)	3GPP(dB)				
10	Pi/2 BPSK	1	1	23.33	23.40	23.35	24.00	0				
	Frequenc	cy (MHz)		2502.5	2535	2567.5	Target Power + Max.	MPR Allowed per				
	Channel			500500	507000	513500	Tolerance (dBm)	3GPP(dB)				
5	Pi/2 BPSK	1	1	23.41	23.38	23.44	24.00	0				

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				5G N	IR n41			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Tourst	
	Frequenc	cy (MHz)		2546.01	2592.99	2640	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		509202	518598	528000	Tolerance (abin)	
		1	1	23.98	23.35	23.20	24.00	0
		1	137	23.29	23.18	22.78	24.00	0
		1	271	23.30	23.29	23.18	24.00	0
	Pi/2 BPSK	135	0	23.31	23.33	23.24	24.00	0
		135	69	23.14	23.30	23.13	24.00	0
		135	138	23.16	23.17	23.15	24.00	0
		270	0	22.78	22.82	22.73	23.50	0-0.5
4.5		1	1	23.23	23.23	23.17	24.00	0
15		1	137	23.33	23.29	23.29	24.00	0
	QPSK	1 125	271	23.18 23.26	23.19	23.14	24.00	0
	QPSK	135 135	0 69	23.26	23.33 23.25	23.27 23.18	24.00 24.00	0
		135	138	23.24	23.25	23.16	24.00	0
	 	270	0	22.24	22.28	22.24	23.00	0-1
	16-QAM	1	1	22.23	22.22	22.24	23.00 23.00 21.50	0-1
	64QAM	<u>-</u> 1	1	20.70	20.66	20.74		0-2.5
	256-QAM	1	1	18.64	18.67	18.76	19.50	0-4.5
	Frequenc	cy (MHz)		2541	2592.99	2644.98	Target	MPR Allowed per
	Char	nnel		508200	518598	528996	Power + Max. Tolerance (dBm)	3GPP(dB)
90	Pi/2 BPSK	1	1	23.29	23.22	23.25	24.00	0
	Frequenc	cy (MHz)		2536.02	2592.99	2649.99	Target Power + Max.	MPR Allowed per
	Char	nnel		507204	518598	529998	Tolerance (dBm)	3GPP(dB)
80	Pi/2 BPSK	11	1	23.27	23.19	23.26	24.00	0
	Frequenc	cy (MHz)		2526	2592.99	2659.98	Target Power + Max.	Target Power + Max.
	Char			505200	518598	531996	Tolerance (dBm)	Tolerance (dBm)
60	Pi/2 BPSK	1	1	23.26	23.18	23.16	24.00	0
	Frequenc	cy (MHz)		2521.02	2592.99	2664.99	Target Power + Max.	MPR Allowed per
	Char			504204	518598	532998	Tolerance (dBm)	3GPP(dB)
50	Pi/2 BPSK	1	1	23.24	23.22	23.15	24.00	0
	Frequenc	cy (MHz)		2516.01	2592.99	2670	Target Power + Max.	Target Power + Max.
	Char			503202	518598	534000	Tolerance (dBm)	Tolerance (dBm)
40	Pi/2 BPSK	1	1	23.28	23.22	23.15	24.00	0
	Frequency (MHz)				2592.99	2679.99	Target Power + Max.	MPR Allowed per
	Char			501204	518598	535998	Tolerance (dBm)	3GPP(dB)
20	Pi/2 BPSK	1	1	23.22	23.14	23.14	24.00	0

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				5G NR n	41(HPUE)			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Torget	
	Frequenc	y (MHz)		2546.01	2592.99	2640	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		509202	518598	528000	Tolerance (dbill)	
		1	1	25.61	25.59	25.85	27.00	0
		1	137	25.44	25.49	25.50	27.00	0
		1	271	25.43	25.45	25.48	27.00	0
	Pi/2 BPSK	135	0	25.49	25.46	25.43	27.00	0
	l .	135	69	25.48	25.54	25.40	27.00	0
	 	135	138	25.54	25.49	25.58	27.00	0
		270	0	24.93	25.02	24.92	26.50	0-0.5
4.5		1	1	25.47	25.48	25.56	27.00	0
15		1	137	25.51	25.44	25.44	27.00	0
	QPSK	1	271	25.57 25.56	25.45	25.55	27.00	0
	QPSK	135 135	0 69	25.56	25.40 25.50	25.54 25.41	27.00 27.00	0
	 	135	138	25.40	25.50	25.40	27.00	0
		270	0	24.54	24.48	24.49	26.00	0-1
	16-QAM	1	1	24.53	24.49	24.50	26.00	0-1
	64QAM	1	1	22.90	23.08	22.96	24.50	0-2.5
	256-QAM	1	1	20.95	21.01	21.06	22.50	0-4.5
	Frequenc	y (MHz)					Target	MPR Allowed per
	Char	nnel					Power + Max. Tolerance (dBm)	3GPP(dB)
90	Pi/2 BPSK	1	1	25.42	25.52	25.49	27.00	0
	Frequenc						Target Power + Max.	MPR Allowed per 3GPP(dB)
200	Char			05.40	05.44	05.40	Tolerance (dBm)	
80	Pi/2 BPSK	1	1	25.46	25.44	25.48	27.00	0
	Frequenc	y (MHz)					Target Power + Max.	Target Power + Max.
	Char					27.10	Tolerance (dBm)	Tolerance (dBm)
60	Pi/2 BPSK	1	1	25.55	25.39	25.49	27.00	0
	Frequenc	y (MHz)					Target Power + Max.	MPR Allowed per
	Char						Tolerance (dBm)	3GPP(dB)
50	Pi/2 BPSK	11	1	25.57	25.39	25.45	27.00	0
	Frequenc						Target Power + Max.	Target Power + Max.
	Char			25.54			Tolerance (dBm)	Tolerance (dBm)
40	40 Pi/2 BPSK 1 1				25.46	25.58	27.00	0
	Frequenc	y (MHz)					Target Power + Max.	MPR Allowed per
	Char						Tolerance (dBm)	3GPP(dB)
20	Pi/2 BPSK	1	1	25.45	25.50	25.44	27.00	0

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	FO AIDCC										
				5G N	IR n66						
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target				
	Frequenc	cy (MHz)		1720	1745	1770	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)			
	Chai	nnel		344000	349000	354000	Toloranoo (abiii)				
		1	1	23.85	23.34	23.91	24.00	0			
		1	53	23.74	23.79	23.77	24.00	0			
		1	104	23.66	23.82	23.73	24.00	0			
	Pi/2 BPSK	50	0	23.68	23.76	23.78	24.00	0			
		50	28	23.73	23.81	23.72	24.00	0			
		50	56	23.65	23.71	23.66	24.00	0			
		100	0	23.23	23.19	23.33	23.50	0-0.5			
		1	1	23.66	23.67	23.82	24.00	0			
20	20	1	53	23.80	23.76	23.68	24.00	0			
		1	104	23.66	23.80	23.70	24.00	0			
	QPSK	50	0	23.82	23.68	23.70	24.00	0			
		50	28	23.80	23.84	23.68	24.00	0			
		50	56	23.65	23.70	23.83	24.00	0			
		100	0	22.66	22.70	22.78	23.00	0-1			
	16-QAM	1	1	22.84	22.77	22.81	23.00	0-1			
	64QAM	1	1	21.32	21.28	21.24	21.50	0-2.5			
	256-QAM	1	1	19.19	19.21	19.32	19.50	0-4.5			
	Frequenc	cy (MHz)		1717.5	1745	1772.5	Target Power + Max.	MPR Allowed per			
	Chai	nnel		343500	349000	354500	Tolerance (dBm)	3GPP(dB)			
15	Pi/2 BPSK	1	1	23.79	23.71	23.69	24.00	0			
	Frequenc	cy (MHz)		1715	1745	1775	Target Power + Max.	MPR Allowed per			
	Chai	nnel		343000	349000	355000	Tolerance (dBm)	3GPP(dB)			
10	Pi/2 BPSK	1	1	23.67	23.68	23.81	24.00	0			
	Frequency (MHz)				1745	1777.5	Target Power + Max.	MPR Allowed per			
	Channel			342500	349000	355500	Tolerance (dBm)	3GPP(dB)			
5	Pi/2 BPSK	1	1	23.67	23.77	23.76	24.00	0			

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Tablet mode

Tx8-LTE FDD Band 2 / Band 7 / Band 66 power table:

I AO L		Bail	<u> </u>		Band 2	<u>u 00 p</u>	ower tab	
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		1860	1880	1900	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char	nnel		18700	18900	19100	Tolerance (dBm)	
		1	0	16.27	16.29	16.22	16.40	0
		1	50	16.14	16.02	16.03	16.40	
	QPSK	1 50	99	16.09 16.03	16.05 16.19	16.09 16.11	16.40 16.40	
	QI OIX	50	25	16.15	16.08	16.06	16.40	
		50	50	16.03	16.16	16.17	16.40	0
		100	0	16.01	16.03	16.08	16.40	0
		1	0	16.18	16.14	16.19	16.40	0
		1	50	16.17	16.01	16.03	16.40	
	16-QAM	1	99	16.02	16.13	16.14	16.40	
	16-QAM	50	0 25	16.02	16.04	16.10	16.40	
		50 50	50 50	16.03 16.02	16.08 16.02	16.12 16.15	16.40 16.40	
		100	0	16.02	16.02	16.19	16.40	
20		1	0	16.07	16.17	16.19	16.40	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		1	50	16.12	16.11	16.12	16.40	
		1	99	16.17	16.17	16.06	16.40	0
	64-QAM	50	0	16.13	16.11	16.09	16.40	0
		50	25	16.12	16.19	16.01	16.40	
		50	50	16.18	16.20	16.18	16.40	
		100	0	16.06	16.12	16.14	16.40	
		<u>1</u> 1	0 50	16.17	16.11	16.07	16.40	
	l l	1	99	16.05 16.09	16.04 16.11	16.02 16.06	16.40 16.40	0 0 0 0
	256-QAM	50	0	16.09	16.06	16.00	16.40	
	200 0,	50	25	16.01	16.11	16.09	16.40	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	l 1	50	50	16.12	16.01	16.14	16.40	
		100	0	16.04	16.05	16.03	16.40	0
	Frequenc	cy (MHz)		1857.5	1880	1902.5	Target Power + Max.	MPR Allowed per
	Chai	nnel		18675	18900	19125	Tolerance (dBm)	3GPP(dB)
		1	0	16.04	16.06	16.14	16.40	0
	[1	36	16.01	16.20	16.12	16.40	0
		1	74	16.05	16.09	16.16	16.40	0
	QPSK	36	0	16.19	16.14	16.18	16.40	
		36	18	16.09	16.03	16.06	16.40	
		36 75	37 0	16.03 16.14	16.01 16.13	16.06 16.04	16.40 16.40	
		1	0	16.14	16.13	16.04	16.40	
		1	36	16.18	16.11	16.20	16.40	0
		1	74	16.17	16.17	16.18	16.40	0
	16-QAM	36	0	16.13	16.08	16.11	16.40	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		36	18	16.05	16.11	16.05	16.40	
	[36	37	16.01	16.04	16.16	16.40	
15	 	75	0	16.12	16.16	16.19	16.40	
		1	0	16.04	16.08	16.15	16.40	
		1 1	36	16.20	16.02	16.05	16.40	
	64-QAM	1 36	74 0	16.01 16.18	16.04 16.06	16.14 16.19	16.40 16.40	
	OT-Q/NIVI	36	18	16.18	16.03	16.19	16.40	
		36	37	16.04	16.05	16.10	16.40	
		75	0	16.13	16.13	16.17	16.40	
		1	0	16.10	16.07	16.04	16.40	
		1	36	16.11	16.12	16.08	16.40	0
		1	74	16.07	16.01	16.03	16.40	0
	256-QAM	36	0	16.17	16.06	16.13	16.40	
		36	18	16.01	16.17	16.18	16.40	
		36	37	16.12	16.07	16.14	16.40	
		75	0	16.20	16.04	16.08	16.40	0

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				LTE	Band 2			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		1855	1880	1905	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char	nnel		18650	18900	19150	Tolerance (dBm)	
		1	0 25	16.15 16.20	16.05 16.09	16.08 16.20	16.40 16.40	0
		1	49	16.07	16.18	16.09	16.40	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	QPSK	25	0	16.05	16.12	16.13	16.40	
		25	12	16.12	16.11	16.13	16.40	
		25 50	25 0	16.19 16.19	16.04 16.01	16.20 16.07	16.40 16.40	
		1	0	16.02	16.19	16.11	16.40	
		1	25	16.14	16.12	16.05	16.40	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	40.004	1	49	16.02	16.16	16.11	16.40	
	16-QAM	25 25	0 12	16.16 16.15	16.06 16.20	16.05 16.06	16.40 16.40	
		25	25	16.14	16.20	16.12	16.40	
10		50	0	16.20	16.02	16.14	16.40	0
10		11	0	16.08	16.19	16.03	16.40	
		1 1	25 49	16.18 16.14	16.04 16.09	16.14 16.12	16.40 16.40	
	64-QAM	25	0	16.14	16.09	16.12	16.40	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		25	12	16.07	16.13	16.11	16.40	
		25	25	16.10	16.14	16.04	16.40	
		50	0	16.16	16.09	16.07	16.40	
		1 1	0 25	16.04 16.20	16.13 16.11	16.07 16.06	16.40 16.40	0 0 0
		1	49	16.11	16.07	16.11	16.40	
	256-QAM	25	0	16.07	16.08	16.05	16.40	
		25	12	16.17	16.07	16.06	16.40	0
		25	25	16.08	16.18	16.15	16.40	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Frequenc	50 v (MHz)	0	16.01 1852.5	16.07 1880	16.11 1907.5	16.40 Target	
	Char	• • •		18625	18900	19175	Power + Max. Tolerance (dBm)	
	1	1	0	16.04	16.11	16.04	16.40	0
		1	12	16.09	16.12	16.05	16.40	
		1	24	16.20	16.12	16.16	16.40	0
	QPSK	12	0	16.18	16.10	16.03	16.40	
		12 12	6 13	16.08 16.10	16.15 16.06	16.10 16.16	16.40 16.40	
		25	0	16.14	16.10	16.10	16.40	
		1	0	16.04	16.15	16.13	16.40	
		1	12	16.08	16.01	16.12	16.40	
		1	24	16.18	16.15	16.11	16.40	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	16-QAM	12 12	6	16.20 16.16	16.15 16.09	16.03 16.17	16.40 16.40	
		12	13	16.16	16.09	16.17	16.40	
_		25	0	16.19	16.19	16.19	16.40	
5		1	0	16.18	16.06	16.09	16.40	0
		1	12	16.18	16.09	16.11	16.40	
	64-QAM	1 12	24 0	16.14 16.03	16.02 16.07	16.16 16.18	16.40 16.40	
	07-Q/NVI	12	6	16.03	16.07	16.17	16.40	
		12	13	16.18	16.18	16.08	16.40	
		25	0	16.16	16.08	16.13	16.40	
		1	0	16.03	16.20	16.01	16.40	
		1	12 24	16.12 16.09	16.08 16.06	16.10 16.02	16.40 16.40	
	256-QAM	12	0	16.09	16.06	16.02	16.40	
		12	6	16.13	16.14	16.06	16.40	
		12	13	16.18	16.02	16.07	16.40	
		25	0	16.05	16.01	16.12	16.40	0

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				LTE I	Band 7			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	icted power	(dBm)	- .	
	Frequen	cy (MHz)		2510	2535	2560	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		20850	21100	21350	Tolerance (ubin)	
		1	0	11.45	11.52	11.41	11.60	0
		1	50	11.29	11.30	11.23	11.60	3GPP(dB)
	QPSK	1 50	99	11.37 11.26	11.28 11.23	11.29 11.22	11.60 11.60	
	QF SIX	50	25	11.25	11.36	11.30	11.60	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		50	50	11.30	11.24	11.21	11.60	
		100	0	11.27	11.37	11.22	11.60	
		1	0	11.24	11.34	11.39	11.60	0
		1	50	11.39	11.22	11.28	11.60	0
		1	99	11.32	11.33	11.31	11.60	0
	16-QAM	50	0	11.36	11.30	11.24	11.60	0
		50	25	11.27	11.30	11.21	11.60	
		50	50	11.30	11.28	11.27	11.60	
20		100	0	11.39	11.38	11.39	11.60	
		1	0	11.26	11.21	11.29	11.60	
		1	50	11.30 11.27	11.21 11.36	11.32	11.60	
	64-QAM	1 50	99	11.27	11.36	11.26 11.27	11.60 11.60	
	04-QAIVI	50	25	11.30	11.32	11.27	11.60	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		50	50	11.31	11.34	11.27	11.60	
		100	0	11.30	11.29	11.22	11.60	
		1	0	11.39	11.31	11.33	11.60	
		1	50	11.23	11.27	11.26	11.60	0
		1	99	11.35	11.37	11.24	11.60	0
	256-QAM	50	0	11.38	11.38	11.24	11.60	0
		50	25	11.35	11.35	11.24	11.60	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		50	50	11.33	11.39	11.40	11.60	
		100	0	11.32	11.36	11.35	11.60	0
	Frequen	cy (MHz)		2507.5	2535	2562.5	Target Power + Max.	
	Cha	nnel		20825	21100	21375	Tolerance (dBm)	3GPP(dB)
		1	0	11.27	11.23	11.29	11.60	
		1	36	11.38	11.26	11.40	11.60	
		1	74	11.28	11.22	11.22	11.60	
	QPSK	36	0	11.24	11.28	11.22	11.60	
		36	18	11.23	11.37	11.30	11.60	
		36 75	37 0	11.38 11.37	11.34 11.33	11.38 11.32	11.60 11.60	
		1	0	11.21	11.33	11.37	11.60	
		1	36	11.32	11.24	11.24	11.60	
		1	74	11.23	11.34	11.27	11.60	
	16-QAM	36	0	11.36	11.39	11.37	11.60	
		36	18	11.26	11.31	11.30	11.60	0
1		36	37	11.22	11.30	11.23	11.60	
I .								
15		75	0	11.40	11.30	11.38	11.60	
15		1	0	11.36	11.40	11.36	11.60	0
15		1 1	0 36	11.36 11.26	11.40 11.23	11.36 11.31	11.60 11.60	0
15	64 0 0 0 0	1 1 1	0 36 74	11.36 11.26 11.22	11.40 11.23 11.30	11.36 11.31 11.30	11.60 11.60 11.60	0 0 0
15	64-QAM	1 1 1 36	0 36 74 0	11.36 11.26 11.22 11.31	11.40 11.23 11.30 11.25	11.36 11.31 11.30 11.24	11.60 11.60 11.60 11.60	0 0 0
15	64-QAM	1 1 1 36 36	0 36 74 0 18	11.36 11.26 11.22 11.31 11.24	11.40 11.23 11.30 11.25 11.27	11.36 11.31 11.30 11.24 11.34	11.60 11.60 11.60 11.60 11.60	0 0 0 0
15	64-QAM	1 1 1 36 36 36	0 36 74 0 18 37	11.36 11.26 11.22 11.31 11.24 11.34	11.40 11.23 11.30 11.25 11.27 11.30	11.36 11.31 11.30 11.24 11.34 11.24	11.60 11.60 11.60 11.60 11.60 11.60	0 0 0 0 0
15	64-QAM	1 1 1 36 36 36 36 75	0 36 74 0 18 37	11.36 11.26 11.22 11.31 11.24 11.34 11.26	11.40 11.23 11.30 11.25 11.27 11.30 11.31	11.36 11.31 11.30 11.24 11.34 11.24 11.29	11.60 11.60 11.60 11.60 11.60 11.60 11.60	0 0 0 0 0 0
15	64-QAM	1 1 1 36 36 36	0 36 74 0 18 37	11.36 11.26 11.22 11.31 11.24 11.34	11.40 11.23 11.30 11.25 11.27 11.30	11.36 11.31 11.30 11.24 11.34 11.24	11.60 11.60 11.60 11.60 11.60 11.60 11.60	0 0 0 0 0 0 0
15	64-QAM	1 1 1 36 36 36 75	0 36 74 0 18 37 0	11.36 11.26 11.22 11.31 11.24 11.34 11.26 11.39	11.40 11.23 11.30 11.25 11.27 11.30 11.31 11.26	11.36 11.31 11.30 11.24 11.34 11.24 11.29 11.21	11.60 11.60 11.60 11.60 11.60 11.60 11.60	0 0 0 0 0 0 0 0
15	64-QAM 256-QAM	1 1 1 36 36 36 75 1	0 36 74 0 18 37 0 0	11.36 11.26 11.22 11.31 11.24 11.34 11.26 11.39 11.25	11.40 11.23 11.30 11.25 11.27 11.30 11.31 11.26 11.38	11.36 11.31 11.30 11.24 11.34 11.24 11.29 11.21 11.37	11.60 11.60 11.60 11.60 11.60 11.60 11.60 11.60	0 0 0 0 0 0 0 0
15		1 1 1 36 36 36 75 1 1	0 36 74 0 18 37 0 0 0 36 74	11.36 11.26 11.22 11.31 11.24 11.34 11.26 11.39 11.25	11.40 11.23 11.30 11.25 11.27 11.30 11.31 11.26 11.38 11.40	11.36 11.31 11.30 11.24 11.34 11.24 11.29 11.21 11.37 11.25	11.60 11.60 11.60 11.60 11.60 11.60 11.60 11.60 11.60 11.60	0 0 0 0 0 0 0 0 0 0
15		1 1 36 36 36 75 1 1 1 36	0 36 74 0 18 37 0 0 36 74	11.36 11.26 11.22 11.31 11.24 11.34 11.26 11.39 11.25 11.22	11.40 11.23 11.30 11.25 11.27 11.30 11.31 11.26 11.38 11.40 11.38	11.36 11.31 11.30 11.24 11.34 11.24 11.29 11.21 11.37 11.25 11.27	11.60 11.60 11.60 11.60 11.60 11.60 11.60 11.60 11.60 11.60 11.60	0 0 0 0 0 0 0 0 0 0

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				LTE I	Band 7			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	.	
	Frequenc	cy (MHz)		2505	2535	2565	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Cha	nnel		20800	21100	21400	Tolerance (ubin)	
		1	0	11.30	11.21	11.26	11.60	0
		1	25	11.37	11.35	11.38	11.60	3GPP(dB)
	QPSK	1 25	49 0	11.32 11.26	11.28 11.21	11.25 11.38	11.60 11.60	
	QFSK	25	12	11.31	11.30	11.38	11.60	3GPP(dB) 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0
		25	25	11.39	11.35	11.21	11.60	
		50	0	11.39	11.36	11.22	11.60	
		1	0	11.23	11.27	11.37	11.60	0
		1	25	11.37	11.40	11.21	11.60	0
		1	49	11.21	11.33	11.26	11.60	
	16-QAM	25	0	11.27	11.33	11.38	11.60	
		25	12	11.24	11.39	11.31	11.60	
		25	25	11.22	11.38	11.39	11.60	
10	<u> </u>	50	0	11.38	11.21	11.35	11.60	
		1	0 25	11.37 11.28	11.22 11.27	11.27 11.40	11.60 11.60	
		1	49	11.23	11.33	11.40	11.60	
	64-QAM	25	0	11.34	11.23	11.33	11.60	
		25	12	11.29	11.30	11.39	11.60	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	64-QAM	25	25	11.28	11.38	11.29	11.60	
		50	0	11.40	11.31	11.40	11.60	0
		1	0	11.22	11.27	11.39	11.60	0
		1	25	11.39	11.26	11.22	11.60	
		1	49	11.38	11.22	11.40	11.60	
	256-QAM	25	0	11.26	11.21	11.36	11.60	
		25 25	12 25	11.32 11.26	11.21 11.23	11.26 11.30	11.60	
		50	0	11.20	11.23	11.33	11.60 11.60	0 0 0 0 0 0 0 MPR Allowed per
	Frequenc			2502.5	2535	2567.5	Target	
	Cha	nnel		20775	21100	21425	Power + Max. Tolerance (dBm)	
		1	0	11.23	11.35	11.21	11.60	0
		1	12	11.35	11.30	11.38	11.60	0
		1	24	11.33	11.38	11.22	11.60	0
	QPSK	12	0	11.23	11.34	11.30	11.60	0
		12	6	11.36	11.23	11.26	11.60	
		12	13	11.21	11.33	11.23	11.60	
		25	0	11.22	11.31	11.27	11.60	
		1	0 12	11.36 11.33	11.39 11.34	11.32 11.21	11.60 11.60	
		1	24	11.37	11.34	11.30	11.60	
	16-QAM	12	0	11.37	11.25	11.29	11.60	
		12	6	11.38	11.30	11.26	11.60	
		12	13	11.25	11.24	11.27	11.60	
5		25	0	11.25	11.32	11.21	11.60	
3		1	0	11.36	11.27	11.21	11.60	
		1	12	11.35	11.32	11.25	11.60	
	,, ,	11	24	11.23	11.27	11.28	11.60	
	64-QAM	12	0	11.33	11.24	11.24	11.60	
		12	6	11.37	11.28	11.35	11.60	
		12 25	13 0	11.27 11.22	11.40 11.39	11.37 11.33	11.60 11.60	
		25 1	0	11.33	11.39	11.33	11.60	
		1	12	11.24	11.25	11.24	11.60	
		1	24	11.25	11.25	11.37	11.60	
	256-QAM	12	0	11.36	11.37	11.24	11.60	
	256-QAM							
		12	6	11.36	11.33	11.35	11.60	0
		12 12	6 13	11.36	11.35	11.35	11.60	0

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		1720	1745	1770	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai	nnel		132072	132322	132572	Tolerance (dBm)	(, ,
		1	0 50	18.82 18.78	18.90 18.68	18.80 18.76	19.00 19.00	0
		1	99	18.66	18.62	18.69	19.00	0
	QPSK	50	0	18.75	18.74	18.70	19.00	0
		50	25	18.68	18.69	18.61	19.00	
		50 100	50 0	18.68 18.70	18.63 18.73	18.65 18.77	19.00 19.00	
		1	0	18.63	18.61	18.65	19.00	0
		1	50	18.73	18.71	18.74	19.00	0
	40.004	1	99	18.72	18.65	18.65	19.00	
	16-QAM	50 50	0 25	18.76 18.63	18.72 18.60	18.76 18.72	19.00 19.00	
]	50	50	18.62	18.74	18.72	19.00	0
20		100	0	18.62	18.75	18.65	19.00	0
		1	0	18.62	18.71	18.65	19.00	0
		<u>1</u>	50 99	18.61 18.72	18.77 18.73	18.75 18.60	19.00 19.00	
	64-QAM	50	0	18.62	18.69	18.64	19.00	3GPP(dB) 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		50	25	18.67	18.78	18.79	19.00	
		50	50	18.69	18.61	18.75	19.00	
		100	0	18.75	18.62	18.73	19.00	
		1	0 50	18.75	18.64	18.71 18.74	19.00 19.00	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		1 1	99	18.78 18.65	18.68 18.77	18.65	19.00	
	256-QAM	50	0	18.74	18.64	18.76	19.00	
		50	25	18.72	18.63	18.78	19.00	0
		50	50	18.78	18.61	18.63	19.00	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Frequenc	100	0	18.71 1717.5	18.68 1745	18.62 1772.5	19.00 Target	0
	Chai	• • •		132047	132322	132597	Power + Max. Tolerance (dBm)	
	1	1			18.78		, ,	0
		1	0 36	18.71 18.61	18.76	18.68 18.65	19.00 19.00	
		1	74	18.66	18.75	18.66	19.00	
	QPSK	36	0	18.77	18.71	18.73	19.00	0
		36	18	18.77	18.66	18.71	19.00	
		36 75	37 0	18.69 18.60	18.71 18.70	18.61 18.68	19.00 19.00	
		1	0	18.78	18.70	18.68	19.00	
		1	36	18.60	18.63	18.60	19.00	
		1	74	18.61	18.71	18.69	19.00	
	16-QAM	36	0	18.77	18.75	18.72	19.00	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		36	18	18.62	18.74	18.70	19.00	
		36 75	37 0	18.75 18.62	18.68 18.64	18.66 18.66	19.00 19.00	
15		1	0	18.78	18.64	18.63	19.00	
		1	36	18.75	18.67	18.72	19.00	0
	[1	74	18.77	18.67	18.72	19.00	
	64-QAM	36	0	18.61	18.64	18.77	19.00	
		36 36	18 37	18.68 18.68	18.73 18.76	18.64 18.76	19.00 19.00	
		75	0	18.67	18.73	18.77	19.00	
		1	0	18.68	18.62	18.77	19.00	
		1	36	18.72	18.77	18.65	19.00	
	256 0444	1	74	18.65	18.65	18.72	19.00	
l	256-QAM	36	0	18.72	18.77 18.76	18.79 18.77	19.00 19.00	
I								
		36 36	18 37	18.68 18.75	18.77	18.62	19.00	

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		1715	1745	1775	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai	nnel		132022	132322	132622	Tolerance (dBm)	(, ,
		1	0 25	18.63 18.79	18.60 18.69	18.76 18.78	19.00 19.00	0
		1	49	18.71	18.70	18.68	19.00	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	QPSK	25	0	18.65	18.75	18.60	19.00	0
		25	12	18.79	18.63	18.74	19.00	
		25 50	25 0	18.66 18.75	18.66 18.73	18.75 18.67	19.00 19.00	
		1	0	18.60	18.62	18.62	19.00	
		1	25	18.61	18.64	18.70	19.00	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		1	49	18.68	18.62	18.65	19.00	
	16-QAM	25 25	0 12	18.75 18.62	18.61 18.70	18.63 18.61	19.00 19.00	
		25	25	18.74	18.76	18.66	19.00	
10		50	0	18.77	18.63	18.72	19.00	
10		1	0	18.68	18.79	18.72	19.00	
		1 1	25	18.64	18.76	18.74	19.00	
	64-QAM	1 25	49	18.74 18.75	18.71 18.62	18.66 18.65	19.00 19.00	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	0. 4	25	12	18.77	18.77	18.64	19.00	
		25	25	18.68	18.71	18.64	19.00	0
		50	0	18.62	18.61	18.70	19.00	
		1	0	18.66	18.72	18.69	19.00 19.00	0
		1 1	25 49	18.72 18.66	18.74 18.70	18.72 18.79	19.00	
	256-QAM	25	0	18.68	18.72	18.64	19.00	
		25	12	18.62	18.73	18.70	19.00	0
		25	25	18.78	18.74	18.76	19.00	3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Frequenc	50	0	18.64 1712.5	18.67 1745	18.63	19.00	0
	Chai	• • •		131997	132322	1777.5	Target Power + Max. Tolerance (dBm)	
	T I						, ,	2
		1 1	0 12	18.69 18.78	18.66 18.67	18.74 18.66	19.00 19.00	
		1	24	18.70	18.71	18.77	19.00	
	QPSK	12	0	18.64	18.72	18.61	19.00	
		12	6	18.75	18.74	18.73	19.00	
		12	13	18.66	18.76	18.60	19.00	
	\vdash	25 1	0	18.76 18.69	18.75 18.76	18.67 18.63	19.00 19.00	
		1	12	18.72	18.76	18.61	19.00	
		1	24	18.61	18.62	18.72	19.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	16-QAM	12	0	18.75	18.78	18.71	19.00	
		12	6	18.76 18.61	18.71	18.72	19.00	
		12 25	13 0	18.63	18.76 18.63	18.75 18.76	19.00 19.00	
5		1	0	18.76	18.67	18.62	19.00	
		1	12	18.71	18.73	18.77	19.00	
	[[1	24	18.60	18.66	18.67	19.00	
	64-QAM	12 12	0	18.67	18.62	18.60	19.00	
		12	6 13	18.71 18.76	18.69 18.66	18.79 18.78	19.00 19.00	
		25	0	18.79	18.68	18.60	19.00	
		1	0	18.74	18.70	18.69	19.00	
		1	12	18.63	18.74	18.61	19.00	
	256-QAM	1 12	24 0	18.63	18.60 18.76	18.78 18.74	19.00 19.00	
	200-QAIVI	12	6	18.77 18.66	18.66	18.75	19.00	
		12	13	18.65	18.74	18.68	19.00	
1		25	0	18.68	18.73	18.61	19.00	0

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				LTE E	Band 66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)	ļ	1711.5	1745	1778.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Cha	nnel		131987	132322	132657	Tolerance (dBm)	, ,
		1	0 7	18.69 18.76	18.72 18.76	18.77 18.62	19.00 19.00	0
		1	14	18.76	18.62	18.73	19.00	0
	QPSK	8	0	18.74	18.77	18.71	19.00	0
		8	4	18.62	18.71	18.60	19.00	0
		8 15	7	18.71 18.61	18.69 18.67	18.60 18.73	19.00 19.00	0
		1	0	18.69	18.78	18.78	19.00	0
		1	7	18.77	18.69	18.74	19.00	0
		1	14	18.63	18.76	18.73	19.00	0
	16-QAM	8	0 4	18.78	18.79 18.75	18.60	19.00	0
		<u>8</u> 8	7	18.60 18.69	18.79	18.61 18.79	19.00 19.00	0
3		15	0	18.73	18.72	18.79	19.00	0
		1	0	18.70	18.73	18.66	19.00	0
		1	7	18.62	18.60	18.71	19.00	0
	64-QAM	<u>1</u> 8	14 0	18.62 18.71	18.73 18.65	18.62 18.76	19.00 19.00	0
	0 1 00 1111	8	4	18.66	18.62	18.72	19.00	0
		8	7	18.64	18.62	18.72	19.00	0
		15	0	18.71	18.61	18.70	19.00	0
		1	0	18.79	18.68	18.62	19.00	0
		1 1	7 14	18.67 18.62	18.78 18.75	18.68 18.72	19.00 19.00	0
	256-QAM	8	0	18.73	18.61	18.63	19.00	0
		8	4	18.76	18.75	18.76	19.00	0
		8	7	18.69	18.73	18.62	19.00	0
		15	0	18.62	18.71	18.69	19.00	0
	Frequenc	cy (MHz)		1710.7	1745	1779.3	Target Power + Max.	MPR Allowed per
	Cha			131979	132322	132665	Tolerance (dBm)	3GPP(dB)
		1	0	18.73	18.72	18.60	19.00	0
		1 1	<u>2</u> 5	18.67 18.70	18.70 18.70	18.69 18.65	19.00 19.00	0
	QPSK	3	0	18.74	18.75	18.71	19.00	0
		3	2	18.74	18.67	18.74	19.00	0
		3	3	18.67	18.73	18.72	19.00	0
		6	0	18.73	18.72	18.66	19.00	0
		<u>1</u>	0 2	18.77 18.65	18.72 18.60	18.70 18.73	19.00 19.00	0
		1	5	18.63	18.73	18.61	19.00	0
	16-QAM	3	0	18.72	18.62	18.63	19.00	0
		3	2	18.76	18.68	18.76	19.00	0
		3	3	18.64	18.64	18.70	19.00	0
1.4		<u>6</u> 1	0	18.68 18.75	18.61 18.65	18.65 18.65	19.00 19.00	0
		1	2	18.60	18.60	18.70	19.00	0
		1	5	18.78	18.64	18.62	19.00	0
	64-QAM	3	0	18.65	18.79	18.69	19.00	0
		3	2	18.67	18.76	18.68	19.00	0
		6	3	18.60 18.74	18.75 18.77	18.74 18.78	19.00 19.00	0
		1	0	18.63	18.61	18.76	19.00	0
		1	2	18.73	18.70	18.70	19.00	0
		1	5	18.63	18.72	18.76	19.00	0
	256-QAM	3	0	18.68	18.64	18.73	19.00	0
		3	2	18.79	18.69	18.62	19.00	0
		6	3 0	18.67 18.78	18.68 18.74	18.72 18.72	19.00 19.00	0
		υ		10.70	10.74	10.72	19.00	

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Tablet mode

Tx8-LTE TDD Band 42 / Band 48 power table:

I XO-L	IEID	D Ball	u 42 /		40 PO Band 42	wer ta	DIE.	
BW(Mhz)	Modulation	RB Size	RB Offset	<u> </u>	ucted power	(dRm)		
BVV(IVIIIZ)	Frequence		KB Oliset	3560	3575	3590	Target Power + Max.	MPR Allowed per
	Cha	* ` '		43190	43340	43490	Tolerance (dBm)	3GPP(dB)
		1	0	17.34	17.30	17.41	17.50	0
		1	50	17.23	17.16	17.21	17.50	0
		1	99	17.17	17.21	17.27	17.50	0
	QPSK	50	0	17.13	17.15	17.25	17.50	0
		50	25 50	17.23 17.28	17.26 17.20	17.21 17.19	17.50 17.50	0
		50 100	0	17.26	17.20	17.19	17.50	0
		1	0	17.28	17.18	17.16	17.50	0
		1	50	17.18	17.27	17.14	17.50	0
	16-QAM	1	99	17.18	17.13	17.11	17.50	0
		50	0	17.24	17.22	17.20	17.50	0
		50	25	17.18	17.17	17.10	17.50	0
		50 100	50 0	17.12 17.21	17.12 17.24	17.25 17.23	17.50 17.50	0
20		1	0	17.15	17.24	17.10	17.50	0
		1	50	17.24	17.13	17.23	17.50	0
		1	99	17.16	17.23	17.18	17.50	0
	64-QAM	50	0	17.10	17.10	17.18	17.50	0
		50	25	17.13	17.16	17.24	17.50	0
		50 100	50 0	17.29 17.20	17.26 17.14	17.29 17.11	17.50 17.50	0
		1	0	17.12	17.14	17.11	17.50	0
		1	50	17.11	17.16	17.11	17.50	0
		1	99	17.18	17.22	17.21	17.50	0
	256-QAM	50	0	17.18	17.14	17.12	17.50	0
		50	25	17.18	17.20	17.16	17.50	0
		50	50	17.26	17.13	17.24	17.50	0
		100	0	17.23	17.25	17.16	17.50	0
	Frequen	cy (MHz)		3407.5	3453.8	3592.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Cha			41665	42128	43515	Tolerance (dBm)	
		1	0	17.21	17.24	17.10	17.50	0
		1	36 74	17.19	17.20 17.22	17.20 17.27	17.50	0
	QPSK	36	0	17.16 17.11	17.22	17.27	17.50 17.50	0
	Qi Oit	36	18	17.13	17.23	17.18	17.50	0
		36	37	17.22	17.20	17.23	17.50	0
		75	0	17.28	17.18	17.20	17.50	0
		1	0	17.22	17.27	17.11	17.50	0
		1	36	17.25	17.13	17.21	17.50	0
	16-QAM	1 36	74 0	17.24 17.11	17.27 17.25	17.16 17.29	17.50 17.50	0
	10-QAW	36	18	17.11	17.23	17.29	17.50	0
		36	37	17.10	17.13	17.17	17.50	0
15		75	0	17.29	17.19	17.27	17.50	0
15		1	0	17.23	17.14	17.12	17.50	0
		1	36	17.10	17.13	17.16	17.50	0
		1 20	74	17.16	17.11	17.28	17.50	0
	64-QAM	36	0	17.22	17.17	17.10	17.50	0
		36 36	18 37	17.22 17.17	17.15 17.23	17.22 17.23	17.50 17.50	0
		75	0	17.17	17.23	17.23	17.50	0
		1	0	17.14	17.19	17.10	17.50	0
		1	36	17.11	17.18	17.27	17.50	0
		1	74	17.16	17.13	17.21	17.50	0
	256-QAM	36	0	17.19	17.12	17.28	17.50	0
		36	18	17.10	17.10	17.28	17.50	0
		36	37	17.22	17.15	17.21	17.50	0
		75	0	17.21	17.26	17.23	17.50	0

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				LTE E	Band 42			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)		
	Frequenc	cy (MHz)		3405	3452.5	3595	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char	nnel		41640	42115	43540	Tolerance (dBm)	
		1	0 25	17.22 17.18	17.17 17.27	17.12 17.21	17.50 17.50	0
		1	49	17.16	17.27	17.21	17.50	0
	QPSK	25	0	17.26	17.27	17.17	17.50	0
		25	12	17.22	17.26	17.19	17.50	0
		25 50	25 0	17.17 17.12	17.17 17.25	17.17 17.14	17.50 17.50	0
		1	0	17.12	17.22	17.14	17.50	0
		1	25	17.18	17.17	17.13	17.50	0
		11	49	17.20	17.16	17.22	17.50	0
	16-QAM	25 25	0 12	17.12 17.25	17.19 17.17	17.22 17.20	17.50 17.50	0
		25 25	25	17.25	17.17	17.20	17.50	0
10		50	0	17.23	17.27	17.19	17.50	0
'0		1	0	17.29	17.18	17.19	17.50	0
		1 1	25	17.25	17.23	17.17 17.29	17.50	0
	64-QAM	1 25	49	17.11 17.24	17.22 17.22	17.29	17.50 17.50	0
	0. 4	25	12	17.21	17.15	17.14	17.50	0
		25	25	17.19	17.19	17.17	17.50	0
		50	0	17.10	17.12	17.19	17.50	0
		1	0	17.20	17.26	17.25 17.23	17.50	0
		1 1	25 49	17.26 17.11	17.27 17.14	17.23	17.50 17.50	0
	256-QAM	25	0	17.15	17.17	17.24	17.50	0
		25	12	17.17	17.25	17.18	17.50	0
		25	25	17.18	17.12	17.18	17.50	0
		50	0	17.21	17.14	17.27	17.50	0
	Frequenc	, ,		3402.5	3451.3	3597.5	Target Power + Max.	MPR Allowed per 3GPP(dB)
	Chai			41615	42103	43565	Tolerance (dBm)	` '
		<u>1</u> 1	0 12	17.10 17.10	17.26 17.14	17.10 17.15	17.50 17.50	0
		1	24	17.10	17.14	17.13	17.50	0
	QPSK	12	0	17.26	17.29	17.11	17.50	0
	[12	6	17.17	17.21	17.27	17.50	0
		12	13	17.24	17.27	17.17	17.50	0
		25 1	0	17.15 17.27	17.28 17.24	17.15 17.11	17.50 17.50	0
		1	12	17.10	17.17	17.11	17.50	0
		1	24	17.13	17.29	17.24	17.50	0
	16-QAM	12	0	17.10	17.12	17.25	17.50	0
		12	6	17.23	17.24	17.17	17.50	0
		12 25	13 0	17.13 17.12	17.15 17.25	17.18 17.14	17.50 17.50	0
5		1	0	17.12	17.15	17.14	17.50	0
		1	12	17.26	17.13	17.25	17.50	0
	[[1	24	17.26	17.13	17.29	17.50	0
	64-QAM	12 12	0	17.29	17.21	17.10 17.15	17.50 17.50	0
		12	6 13	17.13 17.21	17.13 17.20	17.15	17.50	0
		25	0	17.12	17.11	17.22	17.50	0
		1	0	17.13	17.12	17.13	17.50	0
		1	12	17.23	17.23	17.16	17.50	0
	256-QAM	1 12	24 0	17.14 17.24	17.24 17.11	17.13 17.23	17.50 17.50	0
	200-QAIVI	12	6	17.24	17.11	17.23	17.50	0
		12	13	17.25	17.10	17.29	17.50	0
i	ı İ	25	0	17.10	17.28	17.16	17.50	0

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					LTE Band 4	8			
BW(Mhz)	Modulation	RB Size	RB Offset		Conducted	oower (dBm)			
	Frequen	cy (MHz)		3560	3603.3	3646.7	3690	Power + Max.	MPR Allowed per 3GPP(dB)
	Cha	nnel		55340	55773	56207	56640	Tolerance (dBm)	
		1	0	17.66	17.52	17.47	17.50	17.70	0
		1	50 99	17.46 17.31	17.45 17.44	17.28 17.41	17.29 17.39	17.70 17.70	0
	QPSK	50	0	17.40	17.36	17.28	17.32	17.70	0
		50	25	17.31	17.30	17.28	17.44	17.70	0
		50	50	17.30	17.31	17.35	17.40	17.70	0
		100	0	17.34	17.28	17.40	17.35	17.70	0
		1	0 50	17.46 17.42	17.32 17.36	17.30 17.31	17.46 17.44	17.70 17.70	0
		1	99	17.42	17.30	17.35	17.44	17.70	0
	16-QAM	50	0	17.36	17.39	17.45	17.29	17.70	0
		50	25	17.43	17.31	17.28	17.32	17.70	0
		50	50	17.44	17.34	17.30	17.28	17.70	0
20		100	0	17.37	17.43	17.35	17.30	17.70	0
		1	0	17.33	17.27	17.41	17.45	17.70	0
		1	50 99	17.37 17.44	17.31 17.45	17.38 17.40	17.44 17.33	17.70 17.70	0
	64-QAM	50	0	17.30	17.43	17.44	17.38	17.70	0
		50	25	17.33	17.29	17.34	17.38	17.70	0
		50	50	17.44	17.27	17.36	17.38	17.70	0
		100	0	17.41	17.34	17.36	17.42	17.70	0
		1	0	17.39	17.43	17.39	17.36	17.70	0
		1	50	17.41	17.28	17.34	17.41	17.70	0
	256-QAM	1 50	99	17.32	17.41	17.46	17.38	17.70	0
		50 50	0 25	17.41 17.38	17.28 17.30	17.34 17.30	17.44 17.40	17.70 17.70	0
		50	50	17.30	17.35	17.38	17.40	17.70	0
		100	0	17.28	17.41	17.27	17.43	17.70	0
	Frequen	cy (MHz)		3557.5	3602.5	3647.5	3692.5	Target Power + Max.	MPR Allowed per
	Cha	nnel		55315	55765	56215	56665	Tolerance (dBm)	3GPP(dB)
		1	0	17.33	17.27	17.28	17.29	17.70	0
		1	36	17.34	17.38	17.28	17.30	17.70	0
	0.0014	1	74	17.34	17.32	17.38	17.32	17.70	0
	QPSK	36 36	0 18	17.32 17.35	17.41 17.43	17.32 17.32	17.31 17.36	17.70 17.70	0
		36	37	17.40	17.43	17.32	17.30	17.70	0
		75	0	17.41	17.33	17.43	17.42	17.70	0
		1	0	17.34	17.45	17.38	17.32	17.70	0
		1	36	17.44	17.39	17.46	17.45	17.70	0
		1	74	17.31	17.36	17.42	17.44	17.70	0
	16-QAM	36	0	17.45	17.41	17.40	17.34	17.70	0
		36	18	17.40	17.37	17.36	17.32	17.70	0
		36 75	37 0	17.43 17.38	17.40 17.27	17.43 17.31	17.39 17.34	17.70 17.70	0
15		1	0	17.30	17.41	17.31	17.34	17.70	0
		1	36	17.43	17.28	17.35	17.34	17.70	0
		1	74	17.37	17.43	17.27	17.37	17.70	0
	64-QAM	36	0	17.35	17.34	17.31	17.38	17.70	0
		36	18	17.29	17.36	17.43	17.37	17.70	0
		36	37	17.38	17.45	17.34	17.46	17.70	0
	<u> </u>	75	0	17.38	17.43	17.28	17.30	17.70	0
		1 1	0 36	17.28 17.30	17.45 17.32	17.41 17.39	17.29 17.40	17.70 17.70	0
		1	74	17.30	17.32	17.39	17.40	17.70	0
	256-QAM	36	0	17.45	17.37	17.36	17.35	17.70	0
	256-QAM					17.31	17.41	17.70	0
		36	18	17.33	17.33	17.31	17.71	17.70	
		36 36	18 37	17.33 17.35	17.33	17.33	17.33	17.70	0

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					LTE Band 4	8			
BW(Mhz)	Modulation	RB Size	RB Offset		Conducted	oower (dBm)			
	Frequen	cy (MHz)		3555	3601.7	3648.3	3695	Power + Max.	MPR Allowed per 3GPP(dB)
	Cha	nnel		55290	55757	56223	56690	Tolerance (dBm)	
		1	0	17.44	17.46	17.46	17.42	17.70	0
		1	25 49	17.39 17.45	17.29 17.33	17.44 17.40	17.36 17.41	17.70 17.70	0
	QPSK	25	0	17.42	17.29	17.30	17.27	17.70	0
		25	12	17.36	17.27	17.29	17.40	17.70	0
		25	25	17.34	17.39	17.41	17.35	17.70	0
		50	0	17.35 17.44	17.41	17.46	17.37	17.70 17.70	0
		1	25	17.44	17.38 17.44	17.37 17.41	17.44 17.30	17.70	0
		1	49	17.31	17.34	17.37	17.45	17.70	0
	16-QAM	25	0	17.32	17.38	17.36	17.35	17.70	0
		25	12	17.45	17.41	17.46	17.33	17.70	0
		25	25	17.36	17.38	17.31	17.36	17.70	0
10	——	50 1	0	17.34	17.29	17.31	17.29	17.70	0
		1	25	17.34 17.27	17.38 17.36	17.35 17.28	17.37 17.41	17.70 17.70	0
		1	49	17.41	17.46	17.27	17.41	17.70	0
	64-QAM	25	0	17.30	17.33	17.35	17.28	17.70	0
		25	12	17.33	17.39	17.36	17.29	17.70	0
		25	25	17.42	17.44	17.30	17.30	17.70	0
	-	50	0	17.32	17.41	17.37	17.44	17.70	0
		1	0 25	17.32 17.32	17.44 17.46	17.32 17.40	17.45 17.45	17.70 17.70	0
	256-QAM	1	49	17.45	17.46	17.40	17.43	17.70	0
		25	0	17.41	17.33	17.36	17.40	17.70	0
		25	12	17.45	17.30	17.36	17.46	17.70	0
		25	25	17.44	17.30	17.28	17.37	17.70	0
		50	0	17.40	17.45	17.41	17.32	17.70	0
	Frequen	* ` '		3552.5 55265	3600.8 55748	3649.2 56232	3697.5 56715	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	- Ona							` ′	
		1	0 12	17.28 17.32	17.39 17.33	17.32 17.43	17.39 17.38	17.70 17.70	0
		1	24	17.32	17.37	17.43	17.33	17.70	0
	QPSK	12	0	17.43	17.35	17.40	17.28	17.70	0
		12	6	17.34	17.33	17.30	17.43	17.70	0
		12	13	17.27	17.46	17.29	17.39	17.70	0
		25	0	17.43	17.39	17.41	17.33	17.70	0
		1	0 12	17.41 17.40	17.31 17.37	17.28 17.41	17.35 17.38	17.70 17.70	0
		1	24	17.40	17.46	17.41	17.30	17.70	0
	16-QAM	12	0	17.28	17.42	17.43	17.29	17.70	0
		12	6	17.44	17.38	17.46	17.30	17.70	0
		12	13	17.29	17.46	17.28	17.46	17.70	0
5		25	0	17.45	17.27	17.40	17.39	17.70	0
-		1	0	17.44	17.37	17.34	17.44	17.70	0
		1 1	12 24	17.34 17.41	17.39 17.32	17.46 17.38	17.45 17.41	17.70 17.70	0
	64-QAM	12	0	17.39	17.43	17.39	17.41	17.70	0
		12	6	17.38	17.27	17.35	17.39	17.70	0
		12	13	17.32	17.36	17.41	17.33	17.70	0
		25	0	17.31	17.33	17.39	17.44	17.70	0
		1	0	17.28	17.41	17.38	17.27	17.70	0
		1	12 24	17.43 17.34	17.34 17.36	17.37 17.33	17.36 17.27	17.70 17.70	0
	256-QAM	12	0	17.34	17.36	17.33	17.40	17.70	0
		12	6	17.32	17.34	17.45	17.40	17.70	0
	1								
		12	13	17.39	17.45	17.31	17.39	17.70	0

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Tablet mode

Tx8-5G NR n2 / n7 / n41 / n66 power table:

IXOUU	1411 112 /	117 / 117	1 / noo p					
				5G I	NR n2			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target	
	Frequenc	cy (MHz)		1860	1880	1900	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		372000	376000	380000	Tolorance (abin)	
		1	1	17.73	17.69	17.70	18.00	0
		1	53	17.54	17.55	17.53	18.00	0
		1	104	17.67	17.60	17.59	18.00	0
	Pi/2 BPSK	50	0	17.54	17.66	17.63	18.00	0
	[50	28	17.62	17.64	17.53	18.00	0
	[50	56	17.48	17.51	17.65	18.00	0
	[100	0	17.62	17.53	17.55	18.00	0
		1	1	17.55	17.61	17.48	18.00	0
20	[1	53	17.50	17.57	17.60	18.00	0
		1	104	17.61	17.65	17.50	18.00	0
	QPSK	50	0	17.60	17.64	17.67	18.00	0
		50	28	17.66	17.65	17.66	18.00	0
		50	56	17.59	17.54	17.54	18.00	0
		100	0	17.63	17.58	17.49	18.00	0
	16-QAM	1	1	17.64	17.63	17.59	18.00	0
	64QAM	1	1	17.53	17.56	17.50	18.00	0
	256-QAM	1	1	17.64	17.48	17.58	18.00	0
	Frequenc	cy (MHz)		1857.5	1880	1902.5	Target Power + Max.	MPR Allowed per
	Char	nnel		371500	376000	380500	Tolerance (dBm)	3GPP(dB)
15	Pi/2 BPSK	1	1	17.50	17.64	17.66	18.00	0
	Frequenc	cy (MHz)		1855	1880	1905	Target Power + Max.	MPR Allowed per
	Channel				376000	381000	Tolerance (dBm)	3GPP(dB)
10	10 Pi/2 BPSK 1 1				17.58	17.63	18.00	0
	Frequency (MHz)				1880	1907.5	Target Power + Max.	MPR Allowed per
	Char	nnel		370500	376000	381500	Tolerance (dBm)	3GPP(dB)
5	Pi/2 BPSK	1	1	17.50	17.62	17.56	18.00	0

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				5G I	VR n7					
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target			
	Frequenc	cy (MHz)		2510	2535	2560	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)		
	Chai	nnel		502000	507000	512000	Toloranco (abiii)			
		1	1	11.67	11.59	11.68	11.80	0		
	[1	53	11.50	11.38	11.40	11.80	0		
	[1	104	11.43	11.39	11.55	11.80	0		
	Pi/2 BPSK		0	11.52	11.55	11.48	11.80	0		
			28	11.42	11.50	11.51	11.80	0		
		50	56	11.47	11.57	11.43	11.80	0		
		100	0	11.40	11.39	11.42	11.80	0		
		1	1	11.54	11.51	11.42	11.80	0		
20		1	53	11.55	11.48	11.38	11.80	0		
		1	104	11.42	11.39	11.53	11.80	0		
	QPSK	50	0	11.44	11.49	11.49	11.80	0		
				50	28	11.54	11.51	11.51	11.80	0
		50	56	11.54	11.43	11.57	11.80	0		
		100	0	11.41	11.49	11.44	11.80	0		
	16-QAM	1	1	11.41	11.50	11.38	11.80	0		
	64QAM	1	1	11.46	11.48	11.56	11.80	0		
	256-QAM	1	1	11.43	11.45	11.55	11.80	0		
	Frequenc	cy (MHz)		2507.5	2535	2562.5	Target Power + Max.	MPR Allowed per		
	Chai	nnel		501500	507000	512500	Tolerance (dBm)	3GPP(dB)		
15	Pi/2 BPSK	1	1	11.51	11.43	11.55	11.80	0		
	15 Pi/2 BPSK 1 Frequency (MHz)			2505	2535	2565	Target Power + Max.	MPR Allowed per		
	Chai	nnel		501000	507000	513000	Tolerance (dBm)	3GPP(dB)		
10	Pi/2 BPSK	1	1	11.39	11.53	11.47	11.80	0		
	Frequency (MHz)			2502.5	2535	2567.5	Target Power + Max.	MPR Allowed per		
	Chai	nnel		500500	507000	513500	Tolerance (dBm)	3GPP(dB)		
5	Pi/2 BPSK	1	1	11.46	11.43	11.41	11.80	0		

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				5G N	IR n41			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Tourst	
	Frequenc	cy (MHz)		2546.01	2592.99	2640	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		509202	518598	528000	Toloranoc (abin)	
		1	1	12.35	12.38	12.30	12.50	0
		1	137	12.18	12.13	12.29	12.50	0
		1	271	12.14	12.24	12.15	12.50	0
	Pi/2 BPSK	135	0	12.17	12.10	12.24	12.50	0
		135	69	12.21	12.29	12.17	12.50	0
		135	138	12.10	12.19	12.26	12.50	0
		270	0	12.14	12.12	12.17	12.50	0
		1	1	12.23	12.11	12.24	12.50	0
15		1	137	12.24	12.16	12.27	12.50	0
	ODOK	1	271	12.27	12.20	12.18	12.50	0
	QPSK	135	0 69	12.23	12.22	12.10	12.50	0
		135		12.17 12.28	12.25	12.10	12.50 12.50	0
		135 270	138 0	12.28	12.23 12.16	12.19 12.22	12.50	0
	16-QAM	1	1	12.29	12.16	12.22	12.50	0
	64QAM	1	1	12.13	12.14	12.21	12.50	0
	256-QAM	1	1	12.21	12.13	12.18	12.50	0
	Frequenc	cy (MHz)		2541	2592.99	2644.98	Target	MPR Allowed per
	Char	nnel		508200	518598	528996	Power + Max. Tolerance (dBm)	3GPP(dB)
90	Pi/2 BPSK	1	1	12.11	12.12	12.16	12.50	0
	Frequenc	cy (MHz)		2536.02	2592.99	2649.99	Target Power + Max.	MPR Allowed per
	Char	nnel		507204	518598	529998	Tolerance (dBm)	3GPP(dB)
80	Pi/2 BPSK	1	1	12.19	12.13	12.25	12.50	0
	Frequenc	cy (MHz)		2526	2592.99	2659.98	Target Power + Max.	Target Power + Max.
	Char	nnel		505200	518598	531996	Tolerance (dBm)	Tolerance (dBm)
60	Pi/2 BPSK	1	1	12.10	12.23	12.20	12.50	0
	Frequenc	cy (MHz)		2521.02	2592.99	2664.99	Target Power + Max.	MPR Allowed per
	Char			504204	518598	532998	Tolerance (dBm)	3GPP(dB)
50	Pi/2 BPSK	1	1	12.13	12.26	12.13	12.50	0
	Frequenc	cy (MHz)		2516.01	2592.99	2670	Target Power + Max.	Target Power + Max.
	Char			503202	518598	534000	Tolerance (dBm)	Tolerance (dBm)
40	Pi/2 BPSK	11	1	12.19	12.24	12.17	12.50	0
	Frequenc	cy (MHz)		2506.02	2592.99	2679.99	Target Power + Max.	MPR Allowed per
	Char			501204	518598	535998	Tolerance (dBm)	3GPP(dB)
20	Pi/2 BPSK	1	1	12.29	12.15	12.28	12.50	0

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				5G NR n	41(HPUE)			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Torget	
	Frequenc	y (MHz)		2546.01	2592.99	2640	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		509202	518598	528000	Tolerance (dbin)	
		1	1	14.72	14.62	14.66	14.90	0
		1	137	14.49	14.46	14.40	14.90	0
		1	271	14.59	14.47	14.46	14.90	0
	Pi/2 BPSK	135	0	14.41	14.47	14.57	14.90	0
		135	69	14.49	14.48	14.56	14.90	0
		135	138	14.51	14.42	14.49	14.90	0
		270	0	14.07	13.94	13.97	14.40	0-0.5
45		1	1	14.47	14.49	14.57	14.90	0
15		1 1	137 271	14.40	14.58	14.50	14.90	0
	QPSK	1 135	0	14.50 14.47	14.58 14.54	14.40 14.40	14.90 14.90	0
	QF3K	135	69	14.47	14.54	14.43	14.90	0
	 	135	138	14.40	14.44	14.43	14.90	0
		270	0	13.54	13.48	13.43	13.90	0-1
	16-QAM	1	1	13.45	13.58	13.59	13.90	0-1
	64QAM	1	1	12.03	12.02	12.02	12.40	0-2.5
	256-QAM	1	1	9.91	9.96	9.91	10.40	0-4.5
	Frequenc	cy (MHz)					Target	MPR Allowed per
	Char	nnel					Power + Max. Tolerance (dBm)	3GPP(dB)
90	Pi/2 BPSK	1	1	14.58	14.41	14.48	14.90	0
	Frequenc	cy (MHz)					Target Power + Max.	MPR Allowed per 3GPP(dB)
	Char						Tolerance (dBm)	
80	Pi/2 BPSK	1	1	14.41	14.57	14.44	14.90	0
	Frequenc	y (MHz)					Target Power + Max.	Target Power + Max.
	Char						Tolerance (dBm)	Tolerance (dBm)
60	Pi/2 BPSK	11	1	14.40	14.42	14.57	14.90	0
	Frequenc	cy (MHz)					Target Power + Max.	MPR Allowed per
	Char						Tolerance (dBm)	3GPP(dB)
50	Pi/2 BPSK	11	1	14.56	14.48	14.59	14.90	0
	Frequenc						Target Power + Max.	Target Power + Max.
40	Char			4454	44.50	44.47	Tolerance (dBm)	Tolerance (dBm)
40	Pi/2 BPSK	1	1	14.51	14.56	14.47	14.90	0
	Frequenc	cy (MHz)					Target Power + Max.	MPR Allowed per
	Char						Tolerance (dBm)	3GPP(dB)
20	Pi/2 BPSK	1	1	14.52	14.41	14.54	14.90	0

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				5G N	IR n66			
BW(Mhz)	Modulation	RB Size	RB Offset	Condu	ucted power	(dBm)	Target	
	Frequenc	cy (MHz)		1720 1745 17		1770	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
	Char	nnel		344000	349000	354000	Toloranoo (abiii)	
		1	1	13.66	13.68	13.62	13.80	0
		1	53	13.45	13.49	13.59	13.80	0
		1	104	13.53	13.45	13.47	13.80	0
	Pi/2 BPSK		0	13.53	13.57	13.53	13.80	0
			28	13.45	13.41	13.42	13.80	0
		50	56	13.57	13.45	13.57	13.80	0
		100	0	13.47	13.46	13.59	13.80	0
		1	1	13.44	13.44	13.53	13.80	0
20		1	53	13.52	13.54	13.43	13.80	0
		1	104	13.55	13.42	13.54	13.80	0
	QPSK	50	0	13.54	13.45	13.45	13.80	0
		50	28	13.50	13.41	13.40	13.80	0
		50	56	13.54	13.53	13.48	13.80	0
		100	0	13.44	13.46	13.46	13.80	0
	16-QAM	1	1	13.54	13.57	13.43	13.80	0
	64QAM	1	1	13.49	13.51	13.52	13.80	0
	256-QAM	1	1	13.55	13.52	13.45	13.80	0
	Frequenc	cy (MHz)		1717.5	1745	1772.5	Target Power + Max.	MPR Allowed per
	Char	nnel		343500	349000	354500	Tolerance (dBm)	3GPP(dB)
15	Pi/2 BPSK	1	1	13.58	13.52	13.47	13.80	0
	Frequency (MHz)			1715	1745	1775	Target Power + Max.	MPR Allowed per
	Channel				349000	355000	Tolerance (dBm)	3GPP(dB)
10	Pi/2 BPSK	1	13.42	13.59	13.58	13.80	0	
	Frequency (MHz)			1712.5	1745	1777.5	Target Power + Max.	MPR Allowed per
	Char	nnel		342500	349000	355500	Tolerance (dBm)	3GPP(dB)
5	Pi/2 BPSK	1	1	13.54	13.54	13.57	13.80	0

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1.3.1 Intra-band ULCA power table

Notehook mode

IACIED	otebook illode														
	CA_5B														
	Combination 50RB + 50RB (10MHz + 10MHz)														
		PCC						scc					UL CA	power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)	
10	QPSK	829	20450	1	0	10	QPSK	838.9	20549	1	49	0	24.11	24.50	
10	QPSK	844	20600	1	0	10	QPSK	834.1	20501	1	49	0	23.93	24.50	

								CA	_5B							
						Comb	ination	50RB +	25RB (10MH	tz + 5MHz						
			PCC							scc					UL CA	power
Bandwidth [MHz]	[MHz] Modulation [MHz] Channel RB size RB Offse			ndwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)				
10	QPSK		829	20450	1	0	5		QPSK	836.2	20522	1	24	0	24.05	24.50
								CA	_7C							
						Com	oination	100RB + 1	00RB (20MHz	: + 20MHz)						
		P	С						scc						UL CA powe	er
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channe	I RB si	ze RB O		ndwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measi (dBi		ine-up limit (dBm)
20	QPSK	2510	20850	1	0		20	QPSK	2529.8	21048	1	99	0	18.5	i1	18.60
20	QPSK	2560	21350	1	0		20	QPSK	2540.2	21152	1	99	0	18.4	4	18.60

							CA_7							
						Combination	75RB + 100	RB (15MHz	+ 20MHz)					
	PCC SCC UL CA power													
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	0	15	QPSK	2527.1	21021	1	74	0	18.46	18.60
20	QPSK	2560	21350	1	0	15	QPSK	2542.9	21179	1	74	0	18.41	18.60

							CA_7	С						
						Combination	n 75RB + 75F	RB (15MHz +	· 15MHz)					
	PCC SCC UL CA power													
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	0	15	QPSK	2522.5	20975	1	74	0	18.39	18.60
15	QPSK	2562.5	21375	1	74	15	QPSK	2547.5	21225	1	0	0	18.35	18.60

							CA_7	С						
						Combination	n 75RB + 50F	RB (15MHz +	· 10MHz)					
	PCC SCC UL CA power													
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	0	10	QPSK	2519.5	20945	1	49	0	18.36	18.60

							CA_70	С						
					(Combination	50RB + 100	RB (10MHz	+ 20MHz)					
		PCC						SCC					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)

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	-			0-			A_66B	IOMU 4	IOMILI=)					
		PCC		Co	mbinatio	DII SUKB -	F SUKB (1	1 0MHz + 1					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidt h [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	1715	132022	1	0	10	QPSK	1724.9	132121	1	49	0	19.09	19.40
10	QPSK	1775	132622	1	49	10	QPSK	1765.1	132523	1	0	0	19.02	19.40

						С	A_66B							
				C	ombinatio	on 25RB	+ 75RB (5MHz + 1	5MHz)					
		PCC						sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidt h [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1717.5	132047	1	36	5	QPSK	1726.8	132140	1	0	0	19.03	19.40
15	QPSK	1772.5	132597	1	74	5	QPSK	1763.2	132504	1	0	0	19.01	19.40

						C	A_66B							
				C	ombinatio	on 25RB	+ 50RB (5MHz + 1	0MHz)					
	PCC SCC UL CA power													
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidt h [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	1715	132022	1	0	5	QPSK	1722.2	132094	1	24	0	19.05	19.40
10	QPSK	1775	132622	1	49	5	QPSK	1767.8	132550	1	0	0	18.98	19.40

						C	A_66B							
				С	ombinati	ion 25RB	+ 25RB	(5MHz + 5	MHz)					
		PCC						sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidt h [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
5	QPSK	1777.5	132647	1	12	5	QPSK	1772.7	132599	1	0	0	18.87	19.40
5	QPSK	1712.5	131997	1	24	5	QPSK	1717.3	132045	1	0	0	18.79	19.40

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	-						A_66C								
				Co	mbinatio	n 100RB	+ 100RB	(20MHz +	· 20MHz)						
	PCC SCC UL CA power														
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)	
20	QPSK	1770	132572	1	0	20	QPSK	1750.2	132374	1	99	0	19.23	19.40	
20	QPSK	1720	132072	1	0	20	QPSK	1739.8	132270	1	99	0	19.17	19.40	

							С	A_66C							
					C	ombinatio	on 100RE	+ 25RB	(20MHz +	- 5MHz)					
			PCC						sc	C				UL CA	power
В	andwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
Γ	20	QPSK	1770	132572	1	0	5	QPSK	1758.3	132455	1	24	0	19.19	19.40
	20	QPSK	1720	132072	1	0	5	QPSK	1731.7	132189	1	24	0	19.12	19.40

						С	A_66C								
				Co	mbinatio	n 75RB +	- 100RB ((15MHz +	20MHz)						
	PCC SCC UL CA power														
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)	
20	QPSK	1770	132572	1	0	15	QPSK	1752.9	132401	1	74	0	19.16	19.40	
20	QPSK	1720	132072	1	0	15	QPSK	1737.1	132243	1	74	0	19.06	19.40	

							A_66C							
				C	ombinatio	on 75RB	+ 75RB (15MHz + 1	15MHz)					
														power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1717.5	132047	1	36	15	QPSK	1732.5	132197	1	74	0	19.12	19.40
15	QPSK	1772.5	132597	1	74	15	QPSK	1757.5	132447	1	0	0	19.08	19.40

				Co	mbinatio		A_66C - 100RB ((10MHz +	20MHz)					
		PCC						sc					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	1770	132572	1	0	10	QPSK	1755.6	132428	1	49	0	19.13	19.40
20	QPSK	1720	132072	1	0	10	QPSK	1734.4	132216	1	49	0	19.04	19.40

						С	A_66C							
				C	ombinatio	on 50RB	+ 75RB (10MHz +	15MHz)					
		PCC						sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1717.5	132047	1	36	10	QPSK	1729.5	132167	1	49	0	19.04	19.40
15	QPSK	1772.5	132597	1	74	10	QPSK	1760.5	132477	1	0	0	18.98	19.40
						C	A_38C							
				Co	mbinatio	n 100RB	+ 100RB	(20MHz +	- 20MHz)					
		PCC						sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2580	37850	1	0	20	QPSK	2599.8	38048	1	99	0	22.11	22.20
20	QPSK	2610	38150	1	0	20	QPSK	2590.2	37952	1	99	0	22.05	22.20

						С	A_38C							
				Co	ombinatio	on 75RB	+ 75RB (15MHz + 1	15MHz)					
		PCC						sc	:C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2577.5	37825	1	0	15	QPSK	2592.5	37975	1	74	0	21.99	22.20
15	QPSK	2612.5	38175	1	74	15	QPSK	2597.5	38025	1	0	0	21.91	22.20

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								_41C						
					С	ombination	n 100RB +	100RB (201	MHz + 20M	Hz)				
		PC	CC					sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	20	QPSK	2525.8	39948	1	99	0	22.17	22.30
20	QPSK	2680	41490	1	0	20	QPSK	2660.2	41292	1	99	0	22.12	22.30

								_41C						
						Combinatio	n 75RB + 1	00RB (15N	1Hz + 20Mi	Hz)				
		PC	CC					sc	c				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	15	QPSK	2523.1	39921	1	74	0	22.14	22.30
20	QPSK	2680	41490	1	0	15	QPSK	2662.9	41319	1	74	0	22.08	22.30

						Combinatio		_41C 75RB (15M	U= . 15MU	I=\				
		PC	cc			Combinatio)II / 3KB +	SC (13M)		12)			UL CA	power
Bandwidth [MHz]						Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	0	15	QPSK	2518.5	39875	1	74	0	22.01	22.30
15	QPSK	2682.5	41515	1	74	15	QPSK	2667.5	41365	1	0	0	21.95	22.30

						`ombinatio		_41C 00RB (10N	IU 20ML	1-/				
		PC	cc			Jonibinatio	11 JUND +	SC SC		12)			UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	10	QPSK	2520.4	39894	1	49	0	22.09	22.30
20	QPSK	2680	41490	1	0	10	QPSK	2665.6	41346	1	49	0	22.02	22.30

					(Combinatio		_41C 75RB (10M	Hz + 15MH	z)				
	PCC SCC UL CA power													
Bandwidth [MHz]	hth Modulation Frequency Channel PR size 5					Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	0	10	QPSK	2515.5	39845	1	49	0	21.96	22.30
15	QPSK	2682.5	41515	1	74	10	QPSK	2670.5	41395	1	0	0	21.91	22.30

							CA	_41C				•		
						Combination	on 25RB +	100RB (5M	Hz + 20MH	lz)				
		P	CC					SC	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	0	5	QPSK	2517.7	39867	1	24	0	22.03	22.30
20	QPSK	2680	41490	1	0	5	QPSK	2668.3	41373	1	24	0	21.94	22.30
							CA	48C						
					С	ombinatio	n 100RB +	100RB (201	MHz + 20M	Hz)				
		P	CC					sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
	QPSK	3560	55340	1	0	20	QPSK	3579.8	55538	1	99	0	21.47	22.00
20	QFSN	0000	22510											

							CA	_48C						
						Combinatio	n 75RB + 1	00RB (15N	1Hz + 20Mł	∃z)				
		PC	CC					sc	C				UL CA	power
Bandwidth [MHz]						Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3560	55340	1	0	15	QPSK	3577.1	55511	1	74	0	21.44	22.00
20	QPSK	3690	56640	1	0	15	QPSK	3672.9	56469	1	74	0	21.36	22.00

								_48C						
						ombinatio	n 50RB + 1	00RB (10N		lz)		1	1	
		PC	CC					sc	:C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3560	55340	1	0	10	QPSK	3675.6	56496	1	49	0	21.37	22.00
20	QPSK	3690	56640	1	0	10	QPSK	3574.4	55484	1	49	0	21.31	22.00

							CA	_48C						
						Combination	on 25RB +	100RB (5M	Hz + 20MH	z)				
		PC	CC					sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3560	55340	1	0	5	QPSK	3678.3	56523	1	24	0	21.33	22.00
20	QPSK	3690	56640	1	0	5	QPSK	3571.7	55457	1	24	0	21.25	22.00

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Tablet mode

Tablet	IIIOuc													
						C	A_5B							
					Combina	tion 50RB +	50RB (10MF	łz + 10MHz)						
		PCC						scc					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	829	20450	1	0	10	QPSK	838.9	20549	1	49	0	21.61	21.70
10	QPSK	844	20600	1	0	10	QPSK	834.1	20501	1	49	0	21.53	21.70

								CA	5B											
						Combin	ation 5	50RB + 2	25RB (10MH	łz + 5MHz										
			PCC							scc					UL CA	power				
Bandwidth [MHz]	Modulati		quency MHz]	Channel	RB size	RB Offset		lwidth Hz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)				
10	QPSK		829	20450	1	0		5	QPSK	836.2	20522	1	49	0	 					
								CA_	.7C											
						Combir	nation 1	00RB + 1	00RB (20MHz	+ 20MHz)										
		P	CC						SCC						UL CA powe	ar				
Bandwidth [MHz]	Modulation	Frequenc [MHz]	Channe	el RB si	ze RB Of	Randwidth Frequency MPR (dB) Measured 3								ine-up limit (dBm)						
20	QPSK	2510	20850	1	0	2	20	QPSK	2529.8	21048	1	99	0	14.4	1	14.50				
20	QPSK	2560	21350	1	0	2	20	QPSK	2540.2	21152	1	99	0	14.3	7	14.50				

						Combination	CA_70		± 20MHz)					
		PCC					10112 1 1001	scc	. 202				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	0	15	QPSK	2527.1	21021	1	99	0	14.38	14.50
20	QPSK	2560	21350	1	0	15	QPSK	2542.9	21179	1	99	0	14.33	14.50

							CA_7	С						
						Combinatio	1 75RB + 75F	RB (15MHz +	· 15MHz)					
	•	PCC					•	SCC					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	0	15	QPSK	2522.5	20975	1	74	0	14.11	14.50
15	QPSK	2562.5	21375	1	0	15	QPSK	2547.5	21225	1	74	0	14.23	14.50

							CA 7	c						
						Combination	n 75RB + 50F		10MHz)					
		PCC						scc					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	0	10	QPSK	2519.5	20945	1	49	0	14.05	14.50

							CA_70	;						
						Combination	50RB + 100I	RB (10MHz +	+ 20MHz)					
		PCC						SCC					UL CA	power
Bandwidth	Modulation	Frequency	Channel	RB size	RB Offset	Bandwidth	Modulation	Frequency	Channel	RB size	RB Offset	MPR (dB)	Measured	Tune-up limit
[MHz]		[MHz]				[MHz]		[MHz]					(dBm)	(dBm)

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	-			0-			A_66B	IOMILI A	10MIL-)					
		PCC		Co	mbinatio	n sukb -	F SUKB (1	1 0MHz + 1					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidt h [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	1715	132022	1	25	10	QPSK	1724.9	132121	1	49	0	16.35	16.70
10	QPSK	1775	132622	1	0	10	QPSK	1765.1	132523	1	0	0	16.28	16.70

						С	A_66B							
				C	ombinatio	on 25RB	+ 75RB (5MHz + 1	5MHz)					
	•	PCC		·				sc	C	·	·		UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidt h [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1772.5	132597	1	36	5	QPSK	1763.2	132504	1	0	0	16.31	16.70
15	QPSK	1717.5	132047	1	0	5	QPSK	1726.8	132140	1	24	0	26.23	16.70

						C	A_66B							
				C	ombinatio	on 25RB	+ 50RB (5MHz + 1	OMHz)					
		PCC						sc	:C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidt h [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
10	QPSK	1715	132022	1	25	5	QPSK	1722.2	132094	1	49	0	16.29	16.70
10	QPSK	1775	132622	1	0	5	QPSK	1767.8	132550	1	0	0	16.24	16.70

						C	A_66B							
				С	ombinati	ion 25RB	+ 25RB	(5MHz + 5	MHz)					-
		PCC						sc	:C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidt h [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
5	QPSK	1712.5	131997	1	12	5	QPSK	1717.3	132045	1	0	0	16.26	16.70
5	QPSK	1777.5	132647	1	0	5	QPSK	1772.7	132599	1	24	0	16.21	16.70

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				-			A_66C	(008411	001411					
				Co	mbinatio	N 100KB	+ 100KB	(20MHz +				1		
		PCC						sc				ļ	UL CA	power
Bandwid [MHz]	I Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	1720	132072	1	0	20	QPSK	1739.8	132270	1	99	0	16.51	16.70
20	QPSK	1770	132572	1	0	20	QPSK	1750.2	132374	1	99	0	16.36	16.70

						С	A_66C							
				Co	ombinatio	on 100RE	3 + 25RB	(20MHz +	· 5MHz)					
		PCC						sc	c				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	1720	132072	1	0	5	QPSK	1731.7	132189	1	24	0	16.47	16.70
20	QPSK	1770	132572	1	0	5	QPSK	1758.3	132455	1	24	0	16.34	16.70

				Co	mhinatio		A_66C	(15MHz +	20MHz)					
		PCC			momatic	II TOKE 1	TOOKE	sc					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	1720	132072	1	0	15	QPSK	1737.1	132243	1	74	0	16.42	16.70
20	QPSK	1770	132572	1	0	15	QPSK	1752.9	132401	1	74	0	16.31	16.70

							A_66C							
		PCC		C	ombinatio	on 75RB	+ 75RB (15MHz + 1					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]		RB size	RB Offset	Bandwidth [MHz]	Modulation			RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1772.5	132597	1	36	15	QPSK	1757.5	132447	1	74	0	16.45	16.70
15	QPSK	1717.5	132047	1	0	15	QPSK	1732.5	132197	1	74	0	16.28	16.70

				Co	mbinatio		A_66C - 100RB	(10MHz +	20MHz)					
		PCC						SC					UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	1720	132072	1	0	10	QPSK	1734.4	132216	1	49	0	16.41	16.70
20	QPSK	1770	132572	1	0	10	QPSK	1755.6	132428	1	49	0	16.29	16.70

						С	A_66C							
				C	ombinatio	on 50RB	+ 75RB (10MHz +	15MHz)					
		PCC						sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	1772.5	132597	1	36	10	QPSK	1760.5	132477	1	49	0	16.28	16.70
15	QPSK	1717.5	132047	1	0	10	QPSK	1729.5	132167	1	49	0	16.23	16.70
						С	A_38C							
				Co	mbinatio	n 100RB	+ 100RB	(20MHz +	- 20MHz)					
		PCC						sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2580	37850	1	0	20	QPSK	2599.8	38048	1	99	0	16.54	16.70
20	QPSK	2610	38150	1	0	20	QPSK	2590.2	37952	1	99	0	16.51	16.70

						С	A_38C							
				C	ombinatio	on 75RB	+ 75RB (15MHz + 1	15MHz)					
		PCC						sc	:C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2612.5	38175	1	36	15	QPSK	2597.5	37975	1	74	0	16.38	16.70
15	QPSK	2577.5	37825	1	74	15	QPSK	2592.5	37975	1	0	0	16.33	16.70

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								_41C						
					С	ombination	n 100RB +	100RB (201	MHz + 20M	Hz)				
		PC	CC					sc	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	20	QPSK	2660.2	41292	1	99	0	17.15	17.30
20	QPSK	2506	39750	1	0	20	QPSK	2525.8	39948	1	99	0	17.08	17.30

							CA	_41C						
					(Combinatio	n 75RB + 1	100RB (15N	1Hz + 20Mi	Hz)				
		PC	CC					SC	CC				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	15	QPSK	2662.9	41319	1	74	0	17.12	17.30
20	QPSK	2506	39750	1	0	15	QPSK	2523.1	39921	1	74	0	17.04	17.30

						Combinatio		_41C 75RB (15M	U 15MU	-/				
		PC	cc			Combinatio)II / 3KB +	SC		2)			UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2682.5	41515	1	74	15	QPSK	2667.5	41365	1	0	0	17.01	17.30
15	QPSK	2503.5	39725	1	36	15	QPSK	2518.5	39875	1	74	0	16.99	17.30

						`ambinatia		_41C 100RB (10N	IU 20ML	1=\				
		PC	cc			Jonibinatio	11 3UKB +	SC		12)			UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	10	QPSK	2665.6	41346	1	49	0	17.11	17.30
20	QPSK	2506	39750	1	0	10	QPSK	2520.4	39894	1	49	0	17.03	17.30

						Combinatio		_41C 75RB (10M	U~ . 4EMU	-\				
		PC	с			Combinatio	JII JUKB +	SC SC		<u> </u>			UL CA	power
Bandwidth [MHz]	dth Modulation Frequency Channel RR size R					Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2682.5	41515	1	74	10	QPSK	2670.5	41395	1	0	0	16.95	17.30
15	QPSK	2503.5	39725	1	36	10	QPSK	2515.5	39845	1	49	0	16.91	17.30

						Combinatio		_41C 100RB (5M	U= . 20MU	I=\				
		PC	cc		<u> </u>	Combinatio	on 25KB +	SC		ız)			UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2680	41490	1	0	5	QPSK	2668.3	41373	1	24	0	17.04	17.30
20	QPSK	2506	39750	1	0	5	QPSK	2517.7	39867	1	24	0	16.92	17.30
20	QPSK	2506	39750	1	0	5	QPSK		39867	1	24	0	16.92	17

								_+00						
					С	ombinatio	n 100RB +	100RB (201	MHz + 20M	Hz)				
		PC	CC					SC	C				UL CA	power
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	MPR (dB)	Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3560	55340	1	0	20	QPSK	3579.8	55538	1	99	0	17.63	17.70
20	QPSK	3690	56640	1	0	20	QPSK	3670.2	56442	1	99	0	17.45	17.70

							CA	_48C											
					(Combinatio	n 75RB + 1	100RB (15N	1Hz + 20Mi	łz)									
		PC	CC					SC	C				UL CA	power					
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]													
20	QPSK	3560	55340	1	0	15	QPSK	3577.1	55511	1	74	0	17.61	17.70					
20	QPSK	3690	56640	1	0	15	QPSK	3672.9	56469	1	74	0	17.42	17.70					

								_48C										
						Combinatio	n 50RB + 1	100RB (10N	1Hz + 20Mi	łz)								
		PC	cc					SC	c				UL CA	power				
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth Modulation Frequency [MHz] RB size RB Offset MPR (dB) Measured Tune-up limit (dBm) (dBm)												
20	QPSK	3560	55340	1	0	10	QPSK	3675.6	56496	1	49	0	17.54	17.70				
20	QPSK	3690	56640	1	0	10	QPSK	3574.4	55484	1	49	0	17.37	17.70				

							CA	_48C								
						Combination	on 25RB +	100RB (5M	Hz + 20MH	z)						
		PC	CC					SC	C				UL CA	power		
Bandwidth [MHz]	Modulation	Frequency [MHz]														
20	QPSK	3560	55340	1	0	5	QPSK	3678.3	56523	1	24	0	17.51	17.70		
20	QPSK	3690	56640	1	0	5	QPSK	3571.7	55457	1	24	0	17.33	17.70		

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1.3.2 LTE Downlink CA specification

LTE Downlink 2CA conducted power table

Notebook mode

						Two Comp	onent Car	rier Maxim	um Conduc	cted Power					
				PCC						SC			Output po	ower (dBm)	
			UL)L		D	L		DL CA	DL CA	Configurations
LTE Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Channel	Frequency [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	active	inactive	
12	10	QPSK	1	0	23060	704	5060	734	25	20	8365	1962.5	23.30	23.37	12A-25A
38	20	QPSK	1	0	37850	2580	37850	2580	38	20	38048	2599.8	22.11	22.14	38C
41	20	QPSK	1	0	41055	2636.5	41055	2636.5	48	20	55990	3625	22.15	22.23	41A-48A
4	20	QPSK	1	0	20175	1732.5	2175	2132.5	48	20	55990	3625	18.08	18.18	4A-48A
5	20 QPSK 1 0 20 10 QPSK 1 0 20				20525	836.5	2525	881.5	25	20	8365	1962.5	24.11	24.17	5A-25A
5	10	QPSK	1	0	20525	836.5	2525	881.5	38	20	38000	2595	24.10	24.17	5A-38A
5	10	QPSK	1	0	20525	836.5	2525	881.5	41	20	40620	2593	24.11	24.17	5A-41A
7	20	QPSK	1	0	20850	2510	2850	2630	42	20	42590	3500	18.50	18.56	7A-42A
7	15	QPSK	1	0	20825	2507.5	2825	2627.5	7	5	2918	2636.8	18.31	18.46	7B
4	20	QPSK	1	0	20175	1732.5	2175	2132.5	17	10	5790	740	18.01	18.18	4A-17A
2	20	QPSK	1	0	18900	1880	900	1960	17	10	5790	740	18.40	18.46	2A-17A

Tablet mode

						Two Comp	onent Car	rier Maximı	um Condu	cted Power	•				
				PCC						sc	c		Output po	wer (dBm)	
			UL)L		D	L		DL CA	DL CA	Configuration
LTE Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Channel	Frequency [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	active	inactive	
12	10	QPSK	1	0	23095	707.5	5095	737.5	25	20	8365	1962.5	20.15	20.18	12A-25A
38	20	QPSK	1	0	37850	2580	37850	2580	38	20	38048	2599.8	16.47	16.58	38C
41	20	QPSK	1	0	40620	2593	40620	2593	48	20	55990	3625	17.17	17.21	41A-48A
4	20	QPSK	1	0	20300	1745	2300	2145	48	20	55990	3625	16.71	16.77	4A-48A
5	10	QPSK	1	0	20450	829	2450	874	25	20	8365	1962.5	21.46	21.65	5A-25A
5	10	QPSK	1	0	20450	829	2450	874	38	20	38000	2595	21.55	21.65	5A-38A
5	10	QPSK	1	0	20450	829	2450	874	41	20	40620	2593	21.54	21.65	5A-41A
7	20	QPSK	1	0	21100	2535	3100	2655	42	20	42590	3500	14.27	14.48	7A-42A
7	15	QPSK	1	0	20825	2507.5	2825	2627.5	7	5	2918	2636.8	14.25	14.28	7B
4	20	QPSK	1	0	20175	1732.5	2175	2132.5	17	10	5790	740	18.01	18.18	4A-17A
2	20	QPSK	1	0	18900	1880	900	1960	17	10	5790	740	16.25	16.28	2A-17A

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LTE Downlink 3CA conducted power table

Notebook mode

							1	Three Comp	onent Car	rier Maxim	um Cond	ucted Powe	er						
				PCC						SC	CC 1			SC	CC 2		Output po	ower (dBm)	
			UL					DL			DL				DL				
LTE Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Channel	Frequency [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	DL CA active	DL CA inactive	Configurations
25	20	QPSK	1	0	26590	1905	8590	1985	25	20	8140	1940	25	20	8590	1985	18.58	18.77	25A-25A-25A
25	20	QPSK	1	0	26140	1860	8140	1940	25	20	8590	1985	26	15	8865	876.5	18.53	18.74	25A-25A-26A
25	20					1860	8140	1940	25	20	8590	1985	41	20	40620	2593	18.57	18.74	25A-25A-41A
25	20	QPSK	1	0	26590	1905	8590	1985	26	15	8865	876.5	41	20	40620	2593	18.62	18.77	25A-26A-41A
2	20	QPSK	1	0	19100	1900	1100	1980	4	20	2175	2132.5	13	10	751	5230	18.38	18.46	2A-4A-13A
2	20	QPSK	1	0	19100	1900	1100	1980	5	10	2525	881.5	7	20	3100	2655	18.44	18.46	2A-5A-7A
4	20	QPSK	1	0	20175	1732.5	2175	2132.5	48	20	55340	3560	48	20	55538	3579.8	18.06	18.18	4A-48C
4	20	QPSK	1	0	20050	1720	2050	2120	4	20	2300	2145	13	10	5230	751	17.96	18.12	4A-4A-13A
4	20	QPSK	1	0	20050	1720	2050	2120	4	20	2300	2145	7	20	3100	2655	18.06	18.12	4A-4A-7A
5	10	QPSK	1	0	20525	836.5	2525	881.5	7	20	2850	2630	7	20	3350	2680	24.01	24.17	5A-7A-7A
5	10							881.5	7	20	2850	2630	7	20	3048	2649.8	24.15	24.17	5A-7C

Tablet mode

								Three Comp	onent Car	rier Maxim	um Cond	ucted Powe	er						
				PCC						SC	CC 1			SC	CC 2		Output po	ower (dBm)	
			UL					DL			DL				DL				
LTE Band	[MHz] Modulation RB RB Offset Channel [MHz] 20 QPSK 1 0 26140 186					Frequency [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	DL CA active	DL CA inactive	Configurations
25	20	QPSK	1	0	26140	1860	8140	1940	25	20	8140	1940	25	20	8590	1985	15.92	15.95	25A-25A-25A
25	20	QPSK	1	0	26140	1860	8140	1940	25	20	8590	1985	26	15	8865	876.5	15.83	15.95	25A-25A-26A
25	20	QPSK	1	0	26140	1860	8140	1940	25	20	8590	1985	41	20	40620	2593	15.81	15.95	25A-25A-41A
25	20	QPSK	1	0	26140	1860	8140	1940	26	15	8865	876.5	41	20	40620	2593	15.86	15.95	25A-26A-41A
2	20	QPSK	1	0	18900	1880	900	1960	4	20	2175	2132.5	13	10	751	5230	16.07	16.28	2A-4A-13A
2	20	QPSK	1	0	18900	1880	900	1960	5	10	2525	881.5	7	20	3100	2655	16.12	16.28	2A-5A-7A
4	20	QPSK	1	0	20300	1745	2300	2145	48	20	55340	3560	48	20	55538	3579.8	16.73	16.77	4A-48C
4	20	QPSK	1	99	20050	1720	2050	2120	4	20	2300	2145	13	10	5230	751	16.66	16.76	4A-4A-13A
4	20	QPSK	1	99	20050	1720	2050	2120	4	20	2300	2145	7	20	3100	2655	16.74	16.76	4A-4A-7A
5	10	QPSK	1	0	20450	829	2450	874	7	20	2850	2630	7	20	3350	2680	21.44	21.65	5A-7A-7A
5	10	QPSK	- 1	0	20450	829	2450	874	7	20	2850	2630	7	20	3048	2649.8	21.49	21.65	5A-7C

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LTE Downlink 4CA conducted power table

Notebook mode

										Four C	omponent	Carrier Ma	ximum Co	nducted Por	wer								
				PCC						sc				sc				sc	C 3		Output pe	ower (dBm)	
			UL					DL			DL.			D				D					
LTE Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Channel	Frequency (MHz1	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	DL CA active	DL CA inactive	Configurations
13	10	QPSK	1	0	23230	782	5230	751	48	20	55990	3625	66	10	67086	2175	66	10	67185	2184.9	23.43	23.57	13A-48A-66B
13	10	QPSK	1	0	23230	782	5230	751	48	20	55990	3625	66	20	67036	2170	66	20	67234	2189.8	23.39	23.57	13A-48A-66C
13	10	QPSK	1	0	23230	782	5230	751	66	20	66786	2145	66	20	66536	2120	66	20	67236	2190	23.52	23.57	13A-66A-66A-66A
25	20	QPSK	1	0	26140	1860	8140	1940	25	20	8590	1985	41	20	39750	2506	41	20	39948	2525.8	18.54	18.74	25A-25A-41C
25	20	QPSK	1	0	26590	1905	8590	1985	26	15	8865	876.5	41	20	39750	2506	41	20	39948	2525.8	18.59	18.77	25A-26A-41C
2	20	QPSK	1	0	19100	1900	1100	1980	12	10	5095	737.5	66	20	67036	2170	66	20	67234	2189.8	18.29	18.46	2A-12A-66C
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	12	5	5035	731.5	12	5	5155	743.5	18.36	18.42	2A-2A-12A-12A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	18.34	18.42	2A-2A-4A-12A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	4	20	2050	2120	4	20	2300	2145	18.30	18.42	2A-2A-4A-4A
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	18.40	18.42	2A-2A-4A-5A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	66	20	66536	2120	66	20	67236	2190	18.27	18.42	2A-2A-66A-66A
2	20	QPSK	1	0	19100	1900	1100	1980	4	20	2175	2132.5	12	5	5035	731.5	12	5	5155	743.5	18.44	18.46	2A-4A-12A-12A
2	20	QPSK	1	0	19100	1900	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	18.43	18.46	2A-4A-12A-30A
2	20	QPSK	- 1	0	19100	1900	1100	1980	4	20	2175	2132.5	12	5	5035	731.5	12	5	5083	736.3	18.35	18.46	2A-4A-12B
2	20	QPSK	1	0	19100	1900	1100	1980	4	20	2050	2120	4	20	2300	2145	12	10	5095	737.5	18.30	18.46	2A-4A-4A-12A
2	20	QPSK	1	0	19100	1900	1100	1980	4	20	2050	2120	4	20	2300	2145	5	10	2525	881.5	18.29	18.46	2A-4A-4A-5A
2	20	OPSK	1	0	19100	1900	1100	1980	4	20	2175	2132.5	- 5	10	2525	881.5	30	10	9820	2355	18.40	18.46	2A-4A-5A-30A
2	20	QPSK	1	0	19100	1900	1100	1980	4	20	2175	2132.5	7	20	3100	2655	12	10	5095	737.5	18.27	18.46	2A-4A-7A-12A
2	20	QPSK	1	0	19100	1900	1100	1980	4	20	2175	2132.5	7	20	2850	2630	7	20	3350	2680	18.44	18.46	2A-4A-7A-7A
2	20	QPSK	1	0	19100	1900	1100	1980	4	20	2175	2132.5	7	20	2850	2630	7	20	3048	2649.8	18.34	18.46	2A-4A-7C
2	20	QPSK	1	0	18700	1860	700	1940	2	20	898	1959.8	12	10	5095	737.5	30	10	9820	2355	18.32	18.42	2C-12A-30A
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	898	1959.8	5	10	2525	881.5	30	10	9820	2355	18.23	18.42	2C-5A-30A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	898	1959.8	66	20	66536	2120	66	20	67236	2190	18.33	18.42	2C-66A-66A
41	20	QPSK		0	39750	2506	39750	2506	41	20	41490	2680	41	20	39750	2506	41	20	39948	2525.8	22.08	22.21	41A-41A-41C
41	20	QPSK	1	0	39750	2506	39750	2506	41	20	39750	2506	41	20	39948	2525.8	41	20	40146	2545.6	22.05	22.21	41A-41D
41	20	QPSK	-	0	41055	2636.5	41055	2636.5	42	20	42590	3500	42	20	43490	3590	42	20	43292	3570.2	22.19	22.23	41A-42A-42C
41	20	QPSK	-	0	39750	2506	39750	2506	42	20	43490	3590	42	20	43094	3550.4	42	20	43292	3570.2	22.10	22.21	41A-42D
41	20	QPSK	1	0	39750	2506	39750	2506	41	20	39948	2525.8	41	20	41292	2660.2	41	20	41490	2680	22.06	22.21	41C-41C
41	20	OPSK	-	0	39750	2506	39750	2506	41	20	39948	2525.8	41	20	40146	2545.6	42	20	43490	3590	22.06	22.21	41D-42A
42	20	QPSK	1	0	43490	3590	43490	3590	42	20	41690	3410	42	20	43094	3550.4	42	20	43292	3570.2	23.50	23.69	42A-42D
42	20	QPSK	1	0	43490	3590	43490	3590	42	20	42896	3530.6	42	20	43094	3550.4	42	20	43292	3570.2	23.61	23.69	42/042D
48	20	QPSK	+	0	55340	3560	43490 55340	3560	48	20	42090 56640	3690	66	20	66536	2120	66	20	67236	2190	21.41	21.53	48A-48A-66A-66A
48	20	QPSK	1	0	55340	3560	55340	3560	48	20	56640	3690	66	10	67086	2120	66	10	67185	2190	21.41	21.53	48A-48A-66B
48	20	QPSK	1	0	55340	3560	55340	3560	48	20	56640	3690	66	20	67036	2175	66	20	67234	2184.9	21.34	21.53	48A-48A-66C
48	20	QPSK	1	0	55773	3603.3	55773	3603.3	48 66	20	66786	2145	66	20	66536	2170	66	20	67234	2189.8	21.40	21.53	48A-66A-66A-66A
				_								_											
48	20	QPSK QPSK	1 1	0	55340 20175	3560 1732.5	55340 2175	3560 2132.5	48 48	20	55538 55340	3579.8 3560	66 48	20	66536 55538	2120 3579.8	66 48	20	67236 55736	2190 3599.6	21.34 18.12	21.53 18.18	48C-66A-66A 4A-48D
4	20	QPSK QPSK	1	0	20175	1732.5	2175	2132.5	48	20	55340 2300	3560 2145	48 12	20 5	55538 5035	3579.8 731.5	48 12	20 5	55736 5155	3599.6 743.5	18.12	18.18	4A-48D 4A-4A-12A-12A
4	20	QPSK QPSK	1	0	20050	1720	2050	2120	4		2300	2145	12	10	5035 5095	731.5	12	10	5155 9820	743.5 2355	17.98	18.12	4A-4A-12A-12A 4A-4A-12A-30A
				-						20													
4	20	QPSK	1	0	20050	1720	2050	2120	4	20	2300	2145	12	5	5035	731.5	12	5	5083	736.3	17.93	18.12	4A-4A-12B
4	20 10	QPSK QPSK	1	0	20050	1720	2050 2450	2120 874	4	20	2300 2600	2145 889	5 66	10	2525 66536	881.5	30 66	10	9820	2355 2190	18.05 24.03	18.12 24.14	4A-4A-5A-30A 5A-5A-66A-66A
				0		829			5	10				20		2120		20	67236				
5	10	QPSK	1	0	20450	829	2450	874	5	10	2600	889	66	10	67086	2175	66	10	67185	2184.9	24.07	24.14	5A-5A-66B
5	10	QPSK	1	0	20450	829	2450	874	5	10	2600	889	66	20	67036	2170	66	20	67234	2189.8	24.11	24.14	5A-5A-66C
5	10	QPSK	- 1	0	20525	836.5	2525	881.5	66	20	66536	2120	66	10	67187	2185.1	66	10	67286	2195	23.98	24.17	5A-66A-66B
5	10	QPSK	1	0	20525	836.5	2525	881.5	66	20	66536	2120	66	20	67038	2170.2	66	20	67236	2190	24.09	24.17	5A-66A-66C
5	10	QPSK	1	0	20525	836.5	2525	881.5	66	20	66536	2120	66	20	66734	2139.8	66	20	66932	2159.6	24.07	24.17	5A-66D
2	20	QPSK	- 1	0	19100	1900	1100	1980	48	20	56715	3697.5	66	20	66536	2120	66	20	67236	2190	18.33	18.46	2A-48A-66A-66A
2	20	QPSK	1	0	19100	1900	1100	1980	7	20	2850	2630	7	20	3350	2680	13	10	5230	751	18.43	18.46	2A-7A-7A-13A

Tablet mode

										Four C	omponent	Carrier Ma	ximum Co	nducted Por	wer								
				PCC						sc	C 1			sc	C 2			sc	C 3		Output p	ower (dBm)	
			UL					DL			NL.			D	L				IL.		DL CA	DLCA	Configurations
LTE Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Channel	Frequency [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	active	inactive	Comigurations
13	10	QPSK	- 1	0	23230	782	5230	751	48	20	55990	3625	66	10	67086	2175	66	10	67185	2184.9	21.31	21.36	13A-48A-66B
13	10	QPSK	1	0	23230	782	5230	751	48	20	55990	3625	66	20	67036	2170	66	20	67234	2189.8	21.27	21.36	13A-48A-66C
13	10	QPSK	1	0	23230	782	5230	751	66	20	66786	2145	66	20	66536	2120	66	20	67236	2190	21.28	21.36	13A-66A-66A-66A
25	20	QPSK	1	0	26140	1860	8140	1940	25	20	8590	1985	41	20	39750	2506	41	20	39948	2525.8	15.77	15.95	25A-25A-41C
25	20	QPSK	1	0	26140	1860	8140	1940	26	15	8865	876.5	41	20	39750	2506	41	20	39948	2525.8	15.84	15.95	25A-26A-41C
2	20	QPSK	1	0	18900	1880	900	1960	12	10	5095	737.5	66	20	67036	2170	66	20	67234	2189.8	16.25	16.28	2A-12A-66C
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	12	5	5035	731.5	12	5	5155	743.5	16.07	16.22	2A-2A-12A-12A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	16.15	16.22	2A-2A-4A-12A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	4	20	2050	2120	4	20	2300	2145	16.17	16.22	2A-2A-4A-4A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	16.20	16.22	2A-2A-4A-5A
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	1100	1980	66	20	66536	2120	66	20	67236	2190	16.13	16.22	2A-2A-66A-66A
2	20	QPSK	1	0	18900	1880	900	1960	4	20	2175	2132.5	12	5	5035	731.5	12	5	5155	743.5	16.10	16.28	2A-4A-12A-12A
2	20	QPSK	1	0	18900	1880	900	1960	4	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	16.07	16.28	2A-4A-12A-30A
2	20	QPSK	1	0	18900	1880	900	1960	4	20	2175	2132.5	12	5	5035	731.5	12	5	5083	736.3	16.15	16.28	2A-4A-12B
2	20	QPSK	- 1	0	18900	1880	900	1960	4	20	2050	2120	4	20	2300	2145	12	10	5095	737.5	16.13	16.28	2A-4A-4A-12A
2	20	QPSK	1	0	18900	1880	900	1960	4	20	2050	2120	4	20	2300	2145	5	10	2525	881.5	16.23	16.28	2A-4A-4A-5A
2	20	QPSK	- 1	0	18900	1880	900	1960	4	20	2175	2132.5	5	10	2525	881.5	30	10	9820	2355	16.21	16.28	2A-4A-5A-30A
2	20	QPSK	- 1	0	18900	1880	900	1960	4	20	2175	2132.5	7	20	3100	2655	12	10	5095	737.5	16.07	16.28	2A-4A-7A-12A
2	20	QPSK	1	0	18900	1880	900	1960	4	20	2175	2132.5	7	20	2850	2630	7	20	3350	2680	16.09	16.28	2A-4A-7A-7A
2	20	QPSK	1	0	18900	1880	900	1960	4	20	2175	2132.5	7	20	2850	2630	7	20	3048	2649.8	16.09	16.28	2A-4A-7C
2	20	QPSK	1	0	18700	1860	700	1940	2	20	898	1959.8	12	10	5095	737.5	30	10	9820	2355	16.08	16.22	2C-12A-30A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	898	1959.8	5	10	2525	881.5	30	10	9820	2355	16.13	16.22	2C-5A-30A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	898	1959.8	66	20	66536	2120	66	20	67236	2190	16.02	16.22	2C-66A-66A
41	20	QPSK	1	0	39750	2506	39750	2506	41	20	41490	2680	41	20	39750	2506	41	20	39948	2525.8	17.02	17.11	41A-41A-41C
41	20	QPSK	1	0	39750	2506	39750	2506	41	20	39750	2506	41	20	39948	2525.8	41	20	40146	2545.6	17.00	17.11	41A-41D
41	20	QPSK	1	0	40620	2593	40620	2593	42	20	42590	3500	42	20	43490	3590	42	20	43292	3570.2	17.10	17.21	41A-42A-42C
41	20	QPSK	1	0	40620	2593	40620	2593	42	20	43490	3590	42	20	43094	3550.4	42	20	43292	3570.2	17.07	17.21	41A-42D
41	20	QPSK	1	0	39750	2506	39750	2506	41	20	39948	2525.8	41	20	41292	2660.2	41	20	41490	2680	16.98	17.11	41C-41C
41	20	QPSK	1	0	39750	2506	39750	2506	41	20	39948	2525.8	41	20	40146	2545.6	42	20	43490	3590	17.01	17.11	41D-42A
42	20	QPSK	1	0	43490	3590	43490	3590	42	20	41690	3410	42	20	43094	3550.4	42	20	43292	3570.2	17.27	17.41	42A-42D
42	20	QPSK	1	0	43490	3590	43490	3590	42	20	42896	3530.6	42	20	43094	3550.4	42	20	43292	3570.2	17.22	17.41	42E
48	20	QPSK	1	0	55340	3560	55340	3560	48	20	56640	3690	66	20	66536	2120	66	20	67236	2190	17.45	17.66	48A-48A-66A-66/
48	20	QPSK	1	0	55340	3560	55340	3560	48	20	56640	3690	66	10	67086	2175	66	10	67185	2184.9	17.60	17.66	48A-48A-66B
48	20	QPSK	1	0	55340	3560	55340	3560	48	20	56640	3690	66	20	67036	2170	66	20	67234	2189.8	17.63	17.66	48A-48A-66C
48	20	QPSK	1	0	55340	3560	55340	3560	66	20	66786	2145	66	20	66536	2120	66	20	67236	2190	17.61	17.66	48A-66A-66A-66
48	20	QPSK	1	0	55340	3560	55340	3560	48	20	55538	3579.8	66	20	66536	2120	66	20	67236	2190	17.49	17.66	48C-66A-66A
4	20	QPSK	1	0	20300	1745	2300	2145	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6	16.65	16.77	4A-48D
4	20	QPSK	1	99	20050	1720	2050	2120	4	20	2300	2145	12	5	5035	731.5	12	5	5155	743.5	16.66	16.76	4A-4A-12A-12A
4	20	QPSK	1	99	20050	1720	2050	2120	4	20	2300	2145	12	10	5095	737.5	30	10	9820	2355	16.58	16.76	4A-4A-12A-30A
4	20	QPSK	1	99	20050	1720	2050	2120	4	20	2300	2145	12	5	5035	731.5	12	5	5083	736.3	16.60	16.76	4A-4A-12B
4	20	QPSK	1	99	20050	1720	2050	2120	4	20	2300	2145	5	10	2525	881.5	30	10	9820	2355	16.61	16.76	4A-4A-5A-30A
5	10	QPSK	+	0	20450	829	2450	874	5	10	2600	889	66	20	66536	2120	66	20	67236	2190	21.46	21.65	5A-5A-66A-66A
5	10	QPSK	1	0	20450	829	2450	874	5	10	2600	889	66	10	67086	2175	66	10	67185	2184.9	21.63	21.65	5A-5A-66B
5	10	QPSK	1	0	20450	829	2450	874	5	10	2600	889	66	20	67036	2170	66	20	67234	2189.8	21.63	21.65	5A-5A-66C
5	10	QPSK	1	0	20450	829	2450	874	66	20	66536	2120	66	10	67187	2170	66	10	67286	2189.8	21.52	21.65	5A-5A-66C 5A-66A-66B
5	10	QPSK	1	0	20450	829	2450	874	66	20	66536	2120	66	20	67038	2185.1	66	20	67236	2195	21.48	21.65	5A-66A-66B
5	10	QPSK	1	0	20450	829	2450	874	66	20	66536	2120	66	20	66734	2170.2	66	20	66932	2159.6	21.53	21.65	5A-66D
2	20	QPSK	1	0	18900	1880	900	1960	48	20	56715	3697.5	66 66	20	66536	2139.8	66	20	67236	2159.6	16.12	16.28	2A-48A-66A-66A
2	20	QPSK	1	0	18900	1880	900	1960	48 7	20	56715 2850	3697.5 2630	66 7	20	66536 3350	2120 2680	66 13	10	67236 5230	2190 751	16.12	16.28	2A-48A-66A-66A 2A-7A-7A-13A

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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LTE Downlink 5CA conducted power table

Notebook mode

												Five C	omponent	Carrier Max		ducted Po	wer										
			UL	PCC				DL		sc	C1		-	SC D					C 3				DL			ower (dBm)	
LTE Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Channel	Frequency [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	DL CA active	DL CA inactive	Configurations
13	10	OPSK	- 1	0	23230	782	5230	751	48	20	55990	3825	48	20	55340	3560	48	20	55538	3579.8	88	20	68786	2145	23.40	23.57	13A-48A-48C-66A
13	10	QPSK QPSK	1	0	23230 23230	782 782	5230 5230	751 751	48 48	20	55990 55340	3625 3560	48 48	20	55340 55538	3560 3579.8	48 48	20 20	55538 56640	3579.8 3690	48 48	20	55736 56442	3599.6 3670.2	23.45 23.42	23.57	13A-48A-48D 13A-48C-48C
13	10	QPSK	1	0	23230	782	5230	751	48	20	55340	3560	48	20	55538	3579.8	66	10	67086	2175	88	10	67185	2184.9	23.40	23.57	13A-48C-66B
13	10	QPSK	1	0	23230	782	5230	751	48	20	55340	3560	48	20	55538	3579.8	66	20	67036	2170	88	20	67234	2189.8	23.54	23.57	13A-48C-66C
13 25	10	QPSK QPSK	- 1	0	23230 26140	782 1860	5230 8140	751 1940	48 25	20	55340 8590	3580 1985	48 41	20	55538 40422	3579.8 2573.2	48 41	20 20	55736 40620	3599.6 2593	66 41	20 20	68788 40818	2145 2612.8	23.46 18.70	23.57	13A-48D-66A 25A-25A-41D
25	20	QPSK	1	0	26590	1905	8590	1985	41	20	39750	2506	41	20	39950	2526	41	20	40150	2546	41	20	40350	2566	18.57	18.77	25A-41E
2	20	QPSK	- 1	0	19100	1900	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	66536	2120	88	20	67236	2190	18.32	18.46	2A-12A-30A-66A-66A
2 2	20	QPSK QPSK	1	0	19100	1900	1100	1980	13	10	5230 5230	751 751	48 48	20	55340	3560 3625	48 48	20 20	56840 55340	3690 3560	66 48	20	68786 55538	2145 3579.8	18.36	18.46 18.46	2A-13A-48A-48A-66A 2A-13A-48A-48C
2	20	OPSK	1	0	19100	1900	1100	1980	13	10	5230	751	48	20	55340	3560	48	20	55538	3579.8	66	20	68788	2145	18.30	18.46	2A-13A-48C-66A
2	20	QPSK	- 1	0	19100	1900	1100	1980	13	10	5230	751	48	20	55340	3560	48	20	55538	3579.8	48	20	55738	3599.6	18.26	18.46	2A-13A-48D
2 2	20	QPSK QPSK	1	0	19100	1900	1100	1980	13	10	5230 5230	751 751	38 38	20	68536 68536	2120	66	10	67187 67038	2185.1 2170.2	88	10 20	67286 67236	2195 2190	18.33 18.37	18.46 18.46	2A-13A-68A-68B 2A-13A-68A-68C
2	20	QPSK	1	0	19100	1900	1100	1980	13	10	5230	751	88	20	66536	2120	66	20	66734	2139.8	66	20	68932	2159.6	18.44	18.46	2A-13A-66A-66C 2A-13A-66D
2	20	OPSK	- 1	0	19100	1900	1100	1980	14	10	5330	763	30	10	9820	2355	66	20	66536	2120	88	20	67236	2190	18.42	18.46	2A-14A-30A-66A-66A
2	20	QPSK	- 1	0	19100	1900	1100	1980	14	10	5330	763	88	20	68786	2145	66	20	66536	2120	88	20	67236	2190	18.41	18.46	2A-14A-66A-66A-66A
2 2	20	QPSK QPSK	1	0	18700 18700	1860	700	1940	2 2	20	1100	1980 1980	12	10	5095 5095	737.5 737.5	30 66	10 20	9820 68538	2355 2120	88	20	68786 67236	2145 2190	18.28 18.39	18.42 18.42	2A-2A-12A-30A-66A 2A-2A-12A-66A-66A
2	20	OPSK	1	0	18700	1860	700	1940	2	20	1100	1980	12	10	5130	741	12	5	5058	733.8	88	20	68786	2145	18.33	18.42	2A-2A-12B-86A
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	1100	1980	13	10	5230	751	66	20	66536	2120	88	20	67236	2190	18.23	18.42	2A-2A-13A-66A-66A
2 2	20	QPSK QPSK	1	0 0	18700 18700	1860	700	1940	2	20	1100	1980 1980	13	10	5230 5330	751 763	66 30	10	67086 9820	2175 2355	33 33	10	67185 66786	2184.9 2145	18.28	18.42 18.42	2A-2A-13A-66B 2A-2A-14A-30A-66A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	14	10	5330	763 763	66	20	9820 66536	2355	88	20	67236	2145 2190	18.30	18.42	2A-2A-14A-86A-86A 2A-2A-14A-86A-86A
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	88	20	68786	2145	18.38	18.42	2A-2A-5A-30A-68A
2 2	20	QPSK QPSK	1	0	18700 18700	1860	700	1940	2 2	20	1100	1980	5	10	2525 2525	881.5 881.5	66	20 10	66536 67086	2120 2175	88	20	67236 67185	2190 2184.9	18.34 18.31	18.42 18.42	2A-2A-5A-66A-66A 2A-2A-5A-66B
2	20	QPSK QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	5	10	2525 2525	881.5 881.5	66	20	67036	2175	88	20	67185	2184.9	18.31	18.42	2A-2A-5A-88B 2A-2A-5A-88C
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	1100	1980	5	10	829	2450	5	10	2549	883.9	88	20	68788	2145	18.34	18.42	2A-2A-5B-66A
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	1100	1980	83	20	68538	2120	66	10	67187	2185.1	88	10	67286	2195	18.34	18.42	2A-2A-66A-66B
2 2	20	QPSK QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	66	20	68536 3100	2120	66	20	67038 5095	2170.2	88	20	67236 66786	2190	18.29	18.42	2A-2A-68A-68C 2A-2A-7A-12A-68A
2	20	QPSK	- 1	0	19100	1900	1100	1980	48	20	55990	3625	48	20	55340	3560	48	20	55538	3579.8	66	20	66786	2145	18.36	18.46	2A-48A-48C-68A
2	20	QPSK	- 1	0	19100	1900	1100	1980	48	20	55990	3625	48	20	55340	3560	48	20	55538	3579.8	48	20	55738	3599.6	18.34	18.46	2A-48A-48D
2 2	20	QPSK QPSK	1	0	19100	1900	1100 1100	1980	48 48	20	55340 55340	3560 3560	48 48	20	55538 55538	3579.8 3579.8	48 48	20 20	56840 55738	3690 3599.6	48 66	20 20	56442 66786	3670.2 2145	18.35 18.33	18.46 18.46	2A-48C-48C 2A-48D-66A
2	20	QPSK	1	0	19100	1900	1100	1980	40	20	2175	2132.5	5	10	829	2450	5	10	2549	883.9	30	10	9820	2355	18.28	18.46	2A-46D-66A 2A-4A-5B-30A
2	20	QPSK	- 1	0	19100	1900	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	66536	2120	88	20	67236	2190	18.37	18.46	2A-5A-30A-66A-66A
2	20	QPSK QPSK	- 1	0	19100	1900	1100	1980	5	10	2525 2525	881.5	48 48	20	55340 55990	3560	48 48	20	56840 55340	3690	66 48	20	68786 55538	2145 3579.8	18.26	18.46	2A-5A-48A-48A-66A
2	20	QPSK QPSK	1	0	19100	1900	1100	1980	5	10	2525	881.5 881.5	48 48	20	55340	3625	48	20	55340 55538	3560 3579.8	48 66	20	55538 68786	3579.8 2145	18.29	18.46	2A-5A-48A-48C 2A-5A-48C-66A
2	20	QPSK	- 1	0	19100	1900	1100	1980	5	10	2525	881.5	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3509.6	18.28	18.46	2A-5A-48D
2	20	QPSK	1	0	19100	1900	1100	1980	5	10	829	2450	5	10	2549	883.9	30	10	9820	2355	88	20	68788	2145	18.26	18.46	2A-5B-30A-66A
2 2	20	QPSK QPSK	1	0	19100	1900	1100	1980	5	10	829 829	2450 2450	5	10	2549 2549	883.9 883.9	66	20 10	66536	2120 2175	88	20	67236 67185	2190 2184.9	18.43 18.25	18.46 18.46	2A-5B-66A-66A 2A-5B-66B
2	20	QPSK	1	0	19100	1900	1100	1980	5	10	829	2450	5	10	2549	883.9	66	20	67036	2170	88	20	67234	2189.8	18.44	18.46	2A-5B-66C
2	20	QPSK	1	0	19100	1900	1100	1980	7	20	3100	2655	12	10	5130	741	12	5	5058	733.8	88	20	68788	2145	18.28	18.46	2A-7A-12B-66A
41	20	QPSK QPSK	1	0	18700 41055	1860	700	1940	2 42	20	898 41690	1959.8	5 42	10	829 41888	2450 3429.8	5 42	10	2549 43292	883.9 9570.2	30 42	10 20	9820 43490	2355	18.32 22.08	18.42 22.23	2C-5B-30A 41A-42C-42C
41	20	QPSK	1	0	39750	2506	39750	2506	41	20	39948	2525.8	41	20	39750	2506	41	20	32948	2525.8	41	20	40146	2545.6	22.18	22.21	41C-41D
41	20	QPSK	- 1	0	39750	2506	39750	2506	41	20	39948	2525.8	42	20	41690	3410	42	20	43292	3570.2	42	20	43490	3590	22.05	22.21	41C-42A-42C
41	20	QPSK QPSK	1	0	39750 55340	2506 3560	39750	2506	41	20	39948 55340	2525.8 3560	41	20	40146	2545.6 3579.8	42	20	41690 67086	3410 2175	42 66	20	41888 67185	3429.8 2184.0	22.10	22.21	41D-42C 480-48C-66B
48	20	QPSK QPSK	1	0	55340	3560	55340	3580	48	20	55340	3560	48	20	55538	3579.8	66	20	67086	2175	88	20	67185	2184.9 2189.8	21.32	21.53	48A-48C-66B 48A-48C-66C
48	20	QPSK	- 1	0	55340	3560	55340	3580	48	20	55340	3560	48	20	55538	3579.8	48	20	55738	3599.6	88	20	68788	2145	21.41	21.53	48A-48D-66A
48 48	20 20	QPSK QPSK	1	0	55340 55340	3560 3560	55340 55340	3560 3560	48 48	20 20	55538 55538	3579.8 3579.8	48 48	20 20	58840 55340	3690 3560	48 48	20 20	56442 55538	3670.2 3579.8	66 48	20 20	68786 55736	2145 3599.6	21.45 21.35	21.53 21.53	48C-48C-86A 48C-48D
48 48	20	QPSK QPSK	1	0	55340	3560	55340	3580	48 48	20	55538	3579.8	48 66	20	55340 66786	3560 2145	48 66	20	55538 66536	3579.8 2120	48 66	20	55736 67236	3599.6 2190	21.35	21.53	48C-48D 48C-68A-68A-68A
48	20	QPSK	1	0	55340	3560	55340	3580	48	20	55538	3579.8	48	20	55736	3599.6	48	20	56840	3690	88	20	68788	2145	21.34	21.53	48E-66A
48	20	QPSK	1	0	55340	3560	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6	48	20	56840	3690	48	20	58244	3650.4	21.50	21.53	48F
4	20	QPSK QPSK	1	0	20175 20050	1732.5 1720	2175 2050	2132.5 2120	48 4	20	55340 2300	3560 2145	48	20	55538 829	3579.8 2450	48 5	20 10	55736 2549	3599.6 883.9	48 30	20 10	58840 9820	3890 2355	18.16	18.18 18.12	4A-48E 4A-4A-58-30A
5	10	QPSK	1	0	20525	836.5	2525	881.5	48	20	55990	3625	48	20	55340	3560	48	20	55538	3579.8	66	20	68788	2145	24.10	24.17	5A-48A-48C-68A
5	10	QPSK	1	0	20525	838.5	2525	881.5	48	20	55340	3560	48	20	55538	3579.8	48	20	56840	3690	48	20	58442	3670.2	24.06	24.17	5A-48C-48C
5	10	QPSK QPSK	1	0	20525 20450	836.5 829	2525 829	881.5 2450	48	20	55340 2549	3560 883.9	48 30	20	55538 9820	3579.8 2355	48 66	20 20	55736 66536	3599.6 2120	48 66	20	58840 67238	3690 2190	24.15 23.95	24.17	5A-48E 5B-30A-66A-66A
5	10	QPSK QPSK	1	0	20450	829 829	829 829	2450	5	10	2549 2549	883.9	88	20	9820 66536	2355	66	10	67187	2120	88	10	67236 67286	2190 2195	23.95	24.14	58-30A-66A-66A 58-66A-66B
5	10	QPSK	- 1	0	20450	829	829	2450	5	10	2549	883.9	68	20	68538	2120	66	20	67038	2170.2	88	20	67238	2190	24.04	24.14	58-66A-66C
5	10	QPSK	1	0	20525	836.5 836.5	2525 2525	881.5 881.5	48	20	55990	3625 3560	48	20	55340	3560 3579.8	48	20	55538 55736	3579.8 3599.6	48	20	55736 66786	3599.6 2145	23.96	24.17	5A-48A-48D 5A-48D-864
5 2	10	QPSK QPSK	1	0	20525 19100	836.5 1900	2525 1100	881.5 1980	48 12	20 10	55340 5130	3560 741	48 12	20	55538 5058	3579.8 733.8	48 66	20	55736 66536	3599.6 2120	88	20	68786 67236	2145 2190	24.11 18.42	24.17 18.46	5A-48D-66A 2A-128-66A-66A
2	20	QPSK	1	0	19100	1900	1100	1980	7	20	2850	2630	7	20	3048	2649.8	66	20	66536	2120	88	20	67236	2190	18.37	18.46	2A-7C-66A-66A
2	20	QPSK	- 1	0	19100	1900	1100	1980	7	20	2850	2630	7	20	3350	2680	66	20	66536	2120	66	20	67236	2190	18.39	18.46	2A-7A-7A-68A-68A

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 险非只有的明,此想些结果做新测验之样具合善,同时此样只像是2000年。木架生主概木公司丰富纯可,不可可以推测。

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Tablet mode

												Five Co	omponent	Carrier Max	imum Cor	nducted Po	wer										
			UL	PCC				DI		sc	C1			SC.	02				DC 3				C 4			rwer (dBm)	
I TF Rand	Bandwidth	Modulation	RB	RB Offset	Channel	Frequency	Channel	Frequency	LTE Band	Bandwidth	Channel	Frequency	I TF Band	Bandwidth	Channel	Frequency	I TF Band	Bandwidth	Channel	Frequency	LTF Band	Bandwidth	Channel	Frequency	DL CA active	DL CA inactive	Configurations
13	[MHz] 10	QPSK	1	25	23230	[MHz] 782	5230	(MHz) 751	48	[MHz] 20	55990	[MHz] 3825	48	[MHz] 20	55340	[MHz] 3560	48	[MHz] 20	55538	[MHz] 3579.8	66	[MHz] 20	68788	[MHz] 2145	21.16	21.36	13A-48A-48C-66A
13	10	QPSK	1	25	23230	782	5230	751	48	20	55990	3825	48	20	55340	3560	48	20	55538	3579.8	48	20	55738	3599.6	21.25	21.36	13A-48A-48D
13	10	QPSK QPSK	1	25 25	23230 23230	782 782	5230 5230	751 751	48 48	20	55340 55340	3560 3560	48 48	20 20	55538 55538	3579.8 3579.8	48 66	20	56840 67086	3890 2175	48 66	20 10	58442 67185	3670.2 2184.9	21.25 21.24	21.38 21.38	13A-48C-48C 13A-48C-66B
13	10	QPSK	- 1	25	23230	782	5230	751	48	20	55340	3560	48	20	55538	3579.8	66	20	67036	2170	66	20	67234	2189.8	21.28	21.36	13A-48C-66C
13	10	QPSK QPSK	1	25	23230	782 1860	5230 8140	751 1940	48 25	20	55340 8590	3560 1985	48 41	20	55538	3579.8 2573.2	48 41	20 20	55736 40620	3599.6 2593	66 41	20	68786 40818	2145 2612.8	21.28	21.36 15.95	13A-48D-66A 25A-25A-41D
25	20	QPSK	- 1	0	26140	1860	8140	1940	41	20	39750	2506	41	20	39950	2526	41	20	40150	2546	41	20	40350	2566	15.81	15.95	25A-41E
2	20	QPSK QPSK	1	0	18900	1880	900	1960	12 13	10	5095 5230	737.5	30 48	10	9820	2355	66 48	20 20	66536 56640	2120	33 33	20	67236 68786	2190 2145	16.17	16.28	2A-12A-30A-86A-86A 2A-13A-48A-48A-86A
2	20	QPSK	1	0	18900	1880	900	1960	13	10	5230	751	48	20	55990	3625	48	20	55340	3560	48	20	55538	3579.8	16.19	16.28	2A-13A-48A-48C
2	20 20	QPSK QPSK	1 1	0	18900 18900	1880 1880	900 900	1960	13	10	5230 5230	751 751	48 48	20 20	55340 55340	3560 3560	48 48	20 20	55538 55538	3579.8 3579.8	66 48	20 20	68788 55738	2145 3599.6	16.07	16.28 16.28	2A-13A-48C-66A 2A-13A-48D
2	20	QPSK	1	0	18900	1880	900	1960	13	10	5230	751	66	20	55.34U 66536	2120	66	10	67187	2185.1	66	10	67286	2195	16.13	16.28	2A-13A-66A-66B
2	20	QPSK	1	0	18900	1880	900	1960	13	10	5230	751	88	20	68538	2120	66	20	67038	2170.2	88	20	67238	2190	16.18	16.28	2A-13A-66A-66C
2	20	QPSK QPSK	1	0	18900 18900	1880	900	1960	13 14	10	5230 5330	751 763	66 30	20 10	68536 9820	2120	66	20 20	66734 66536	2139.8 2120	88	20	68932 67236	2159.6 2190	16.19	16.28	2A-13A-66D 2A-14A-30A-66A-66A
2	20	QPSK	- 1	0	18900	1880	900	1960	14	10	5330	763	68	20	68786	2145	66	20	66536	2120	88	20	67236	2190	16.09	16.28	2A-14A-66A-66A-66A
2	20	QPSK QPSK	1	0	18700 18700	1860	700 700	1940 1940	2	20	1100	1980 1980	12	10	5095 5095	737.5 737.5	30 66	10 20	9820 68538	2355 2120	38 38	20 20	68786 67236	2145 2190	16.02	16.22 16.22	2A-2A-12A-30A-88A 2A-2A-12A-88A-88A
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	1100	1980	12	10	5130	741	12	5	5058	733.8	88	20	68786	2145	16.11	16.22	2A-2A-12B-66A
2 2	20	OPSK	1	0	18700 18700	1860	700	1940 1940	2 2	20	1100	1980 1980	13 13	10	5230	751 751	68	20	66536	2120	88	20	67236 67185	2190	16.12	16.22	2A-2A-13A-66A-66A 2A-2A-13A-66B
2	20	QPSK QPSK	1	0	18700	1860	700 700	1940	2	20	1100 1100	1980	14	10	5230 5330	763	66 30	10	67086 9820	2175 2355	88	10	68786	2184.9 2145	16.19	16.22	2A-2A-13A-668 2A-2A-14A-30A-66A
2	20	QPSK	1	0	18700	1860	700	1940	2	20	1100	1980	14	10	5330	763 881 5	66	20	66536	2120	88	20	67236	2190	16.04	16.22	2A-2A-14A-66A-66A
2	20	QPSK QPSK	1	0	18700 18700	1860	700 700	1940	2	20	1100	1980	5	10	2525 2525	881.5 881.5	30 66	10	9820 66536	2355 2120	33 33	20	68786 67236	2145 2190	16.02	16.22 16.22	2A-2A-5A-30A-66A 2A-2A-5A-66A-66A
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	1100	1980	5	10	2525	881.5	66	10	67086	2175	88	10	67185	2184.9	16.11	16.22	2A-2A-5A-66B
2	20	QPSK QPSK	- 1	0	18700 18700	1860	700 700	1940 1940	2	20	1100 1100	1980 1980	5	10	2525 829	881.5 2450	- 66 - 5	20 10	67038 2549	2170 883.9	88	20 20	67234 66786	2189.8 2145	16.18	16.22	2A-2A-5A-66C 2A-2A-5B-66A
2	20	QPSK	- 1	0	18700	1860	700	1940	2	20	1100	1980	68	20	68536	2120	66	10	67187	2185.1	88	10	67286	2195	16.03	16.22	2A-2A-66A-66B
2	20 20	QPSK QPSK	1 1	0	18700 18700	1860	700 700	1940 1940	2	20	1100	1980 1980	66	20 20	68536 3100	2120 2655	66 12	20 10	67038 5095	2170.2	33 33	20 20	67236 66786	2190 2145	16.12 16.01	16.22 16.22	2A-2A-66A-66C 2A-2A-7A-12A-66A
2	20	QPSK	1	0	18900	1880	900	1940	48	20	1100 55990	1980 3625	48	20	3100 55340	3560	12 48	20	5095 55538	737.5 3579.8	66	20	66786 66786	2145 2145	16.01	16.22	2A-2A-7A-12A-88A 2A-48A-48C-68A
2	20	QPSK	- 1	0	18900	1880	900	1960	48	20	55990	3825	48	20	55340	3560	48	20	55538	3579.8	48	20	55738	3599.6	16.25	16.28	2A-48A-48D
2	20	QPSK QPSK	1 1	0	18900 18900	1880 1880	900	1960 1960	48 48	20	55340 55340	3560 3560	48 48	20	55538 55538	3579.8 3579.8	48 48	20 20	56840 55736	3690 3599.6	48 66	20	58442 68786	3670.2 2145	16.24	16.28 16.28	2A-48C-48C 2A-48D-66A
2	20	QPSK	- 1	0	18900	1880	900	1960	4	20	2175	2132.5	5	10	829	2450	5	10	2549	883.9	30	10	9820	2355	16.10	16.28	2A-4A-58-30A
2	20	QPSK QPSK	1 1	0	18900 18900	1880	900	1960	5	10	2525 2525	881.5 881.5	30 48	10	9820 55340	2355	66 48	20 20	66536 56640	2120	33 33	20	67236 66786	2190 2145	16.22 16.26	16.28 16.28	2A-5A-30A-66A-66A 2A-5A-48A-48A-66A
2	20	QPSK	1	0	18900	1880	900	1960	5	10	2525	881.5	48	20	55990	3625	48	20	55340	3560	48	20	55538	3579.8	16.23	16.28	2A-5A-48A-48C
2	20	QPSK QPSK	1 1	0	18900	1880	900	1960	5	10	2525	881.5 881.5	48	20	55340	3560	48	20	55538 55538	3579.8 3579.8	66	20	68786 55736	2145 3599 6	16.08	16.28	2A-5A-48C-66A 2A-5A-48D
2	20	QPSK	1	0	18900	1880	900	1960	5	10	829	2450	5	10	2549	883.9	30	10	9820	2355	88	20	68788	2145	16.24	16.28	2A-5B-30A-66A
2	20	QPSK QPSK	1 1	0	18900 18900	1880 1880	900	1960	5	10	829 829	2450 2450	5	10	2549 2549	883.9 883.9	66	20	66536 67086	2120 2175	88	20 10	67236 67185	2190 2184.9	16.14	16.28 16.28	2A-5B-66A-66A 2A-5B-66B
2	20	QPSK	1	0	18900	1880	900	1960	5	10	829	2450	5	10	2549	883.9	68	20	67036	2170	88	20	67234	2189.8	16.08	16.28	2A-58-66C
2	20	OPSK	1	0	18200	1880	900 700	1960	7	20	3100	2655	12	10	5130	741	12	5	5058	733.8	88	20	68788	2145	16.23	16.28 16.22	2A-7A-12B-86A
41	20	QPSK	1	0	18700 40820	1860 2593	700 40620	1940 2593	2 42	20	898 41690	1959.8 3410	5 42	10	829 41888	2450 3429.8	5 42	10	2549 43292	883.9 3570.2	30 42	10	9820 43490	2355 3590	17.12	16.22	2C-5B-30A 41A-42C-42C
41	20	QPSK	- 1	0	39750	2506	39750	2506	41	20	39948	2525.8	41	20	39750	2506	41	20	39948	2525.8	41	20	40146	2545.6	16.93	17.11	41C-41D
41	20	QPSK QPSK	1	0	39750 39750	2506 2506	39750 39750	2506 2506	41 41	20	39948 39948	2525.8 2525.8	42 41	20 20	41690 40146	3410 2545.6	42 42	20 20	43292 41690	3570.2 3410	42 42	20	43490 41888	3590 3429.8	17.06	17.11	41C-42A-42C 41D-42C
48	20	QPSK	1	0	55340	3560	55340	3580	48	20	55340	3560	48	20	55538	3579.8	66	10	67086	2175	88	10	67185	2184.9	17.49	17.66	48A-48C-66B
48 48	20 20	QPSK QPSK	1 1	0	55340 55340	3560 3560	55340 55340	3560 3560	48 48	20 20	55340 55340	3560 3560	48 48	20 20	55538	3579.8 3579.8	66 48	20 20	67036 55736	2170 3599.6	88	20 20	67234 66786	2189.8 2145	17.64	17.66	48A-48C-66C 48A-48D-66A
48	20	QPSK	1	0	55340	3560	55340	3580	48	20	55538	3579.8	48	20	58840	3690	48	20	56442	3670.2	88	20	68786	2145	17.56	17.66	48C-48C-66A
48	20	QPSK QPSK	1	0	55340 55340	3560	55340 55340	3580	48	20	55538 55538	3579.8 3579.8	48 66	20	55340 66786	3580 2145	48	20	55538 66536	3579.8 2120	48	20 20	55736 67236	3599.6 2190	17.45 17.48	17.66 17.66	48C-48D 48C-884-884-884
48 48	20	QPSK	1 1	0	55340 55340	3560 3560	55340 55340	3560	48 48	20	55538 55538	3579.8 3579.8	66 48	20 20	55736	2145 3599.6	66 48	20 20	66536 56840	2120 3690	33 33	20	67236 66786	2190 2145	17.48	17.66	48C-66A-66A 48E-66A
48	20	QPSK	- 1	0	55340	3560	55340	3580	48	20	55538	3579.8	48	20	55736	3599.6	48	20	56840	3690	48	20	58244	3650.4	17.53	17.66	48F
4	20	QPSK QPSK	1	0	20300 20050	1745 1720	2300 2050	2145 2120	48	20	55340 2300	3560 2145	48	20 10	55538 829	3579.8 2450	48	20 10	55738 2549	3599.6 883.9	48 30	20 10	58840 9820	3890 2355	16.62	16.77	4A-48E 4A-4A-5B-30A
5	10	QPSK	- 1	0	20450	829	2450	874	48	20	55990	3825	48	20	55340	3560	48	20	55538	3579.8	88	20	68788	2145	21.60	21.65	5A-48A-48C-68A
5	10	QPSK QPSK	1 1	0	20450 20450	829 829	2450 2450	874 874	48 48	20	55340 55340	3560	48 48	20	55538	3579.8	48 48	20 20	56640 55736	3690 9500 6	48 48	20	58442 58840	3670.2	21.45 21.62	21.65	5A-48C-48C 5A-48F
5	10	QPSK	1	0	20450	829	829	2450	5	10	2549	883.9	30	10	9820	2355	66	20	66536	2120	66	20	67236	2190	21.47	21.65	58-30A-66A-66A
5	10	QPSK QPSK	1	0	20450 20450	829 829	829 829	2450 2450	5	10	2549 2549	883.9 883.9	88	20 20	68536 68536	2120 2120	66	10	67187 67038	2185.1 2170.2	88	10	67286 67236	2195 2190	21.61	21.65 21.65	58-66A-668 58-66A-66C
5	10	QPSK	1	0	20450 20450	829 829	829 829	2450 2450	5 48	10	2549 55990	883.9 3825	66 48	20	68538 55340	2120 3560	66 48	20	67038 55538	2170.2 3579.8	66 48	20	55736	2190 3599.6	21.55 21.45	21.65 21.65	58-66A-66C 5A-48A-48D
5	10	QPSK	1	0	20450	829	829	2450	48	20	55340	3560	48	20	55538	3579.8	48	20	55738	3599.6	88	20	68786	2145	21.54	21.65	5A-48D-66A
2	20	QPSK QPSK	1	0	18900 18900	1880	900	1960	12	10	5130 2850	741 2630	12	5 20	5058 3048	733.8 2649.8	66	20 20	66536 66536	2120 2120	88	20	67236 67236	2190 2190	16.12	16.28 16.28	2A-12B-66A-66A 2A-7C-66A-66A
2	20	QPSK	- 1	0	18900	1880	900	1960	7	20	2850	2630	7	20	3350	2680	66	20	66536	2120	66	20	67236	2190	16.20	16.28	2A-7A-7A-68A-68A

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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LTE Downlink 6CA conducted power table

Notebook mode

														Six Co	mponent	Carrier Max	imum Cor	ducted Pov	ver												
				PCC						SCI	C1			50	C 2			50	C 3			50	C 4			50	C S		Output p	ower (dDm)	
			UL					DL		D	L			0					IL.				L						DLCA	DL CA	Configurations
LTE Band	Bandwidth [MHz]	Modulation	RB	RS Offset	Channel	Frequency [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	active	inactive	
2	20	QPSK	- 1	0	19100	1900	1100	1980	40	20	55340	3560	46	20	55538	3579.0	48	20	55736	3599.6	40	20	56640	3690	33	20	66786	2145	18.32	10.46	2A-46E-66A
41	20	QPSK	-	۰	29750	2506	39750	2506	41	20	29948	2525.8	42	20	41090	3410	42	20	41000	3429.8	42	20	43292	3570.2	42	20	43490	3590	22.12	22.21	41C-42C-42C
13	10	QPSK	- 1	0	23230	782	5230	751	40	20	55340	3560	40	20	55538	3579.0	48	20	55736	3599.6	40	20	56640	3690	33	20	66786	2145	23.54	23.57	13A-48E-66A

Tablet mode

	Six Component Carrier Maximum Conducted Power																														
	PCC SCC1					C 1			SC	C 2			50	C 3			50	C 4		SCC S			Output power (dBm)								
	UL DL			DL DL			DL.			DL			DL DL		DL.			DL CA	DL CA	Configurations											
LTE Band	Bandwidth [MHz]	Modulation	RB	RS Offset	Channel	Frequency [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwickh [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	DL CA active	inactive	
2	20	QPSK	- 1	0	18900	1880	900	1960	40	20	55340	3560	40	20	55538	3579.0	48	20	55736	3599.6	9	20	56640	3690	33	20	66786	2145	16.11	16.28	2A-48E-66A
41	20	QPSK	- 1	0	39750	2506	39750	2506	41	20	29948	2525.8	42	20	41090	3410	42	20	41000	3429.8	42	20	43292	3570.2	42	20	43490	3590	16.94	17.11	41C-42C-42C
13	10	QPSK	- 1	0	23230	782	5230	751	40	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6	40	20	56640	3690	33	20	66786	2145	21.16	21.36	13A-48E-66A

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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LTE CA information

A)

The device supports downlink LTE Carrier Aggregation (CA) only. It supports a maximum of 6 carriers in the downlink. Other Release 10 features or higher features are not supported, including Enhanced SC-FDMA, Uplink MIMO or other antenna diversity configurations etc. All uplink communications are identical to the Release 8 Specifications.

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.521-1 V16.6.0. The conducted power measurement results of downlink LTE CA are provided as above per 3GPP TS 36.521-1 V16.6.0. According to KDB 941225 D05A and RF exposure procedures in TCB workshop April 2018, the downlink LTE CA SAR test is not required.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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B)

CA combination table

Index 2CC Restriction	Completely Covered by		Completely Covered by	1.1	100	Bundala	Completely Covered by	To \$1000	scc	Boundaries .	Completely Covered by		ecc	A	Completely Covered by
Index 2CC Restriction 2CC #1 12A-12A 2CC #2 12A-25A	Completely Covered by Mexicurement Superset 3CC #37	Index 3CC Restriction 3CC #69 12A-30A-66A 3CC #70 12A-66A-66A	Completely Covered by Measurement Superset 4CC #191	Index 4CC #191 4CC #192	400 12A-30A-88A-88A 12B-88A-88A	Restriction	Completely Covered by Measurement Superaet 5CC #338	Index 5CC #329 5CC #330	900 13A-48A-48C-66A	Restriction	Completely Covered by Messurement Superset No	Index 600 #405 600 #405	2A-48E-86A	Restriction	Completely Covered by Measurement Superset No
2CC #3 12A-30A	3CC #69 3CC #70	3CC #70 12A-86A-86A 3CC #71 12A-86C 3CC #72 12B-86A	4CC #192 4CC #192	4CC #193 4CC #194	13A-48A-48A-65A 13A-48A-48C		5CC #339 5CC #329	5CC #331 5CC #332	13A-48C-48C 13A-48C-66B		No No	6CC #405	13A-48E-66A		No No
2CC #4 12A-66A 2CC #5 12B 2CC #6 13A-46A	3CC #72 3CC #73	3CC #73 13A-48A-48A 3CC #74 13A-48A-66A	4CC #194 4CC #196	4CC #195 4CC #196	13A-48A-668 13A-48A-66C		No No	5CC #333 5CC #334	13A-48C-66C 13A-48D-66A		No No				
2CC #7 13A-66A 2CC #8 14A-30A	300 #76 300 #79		4CC #197 4CC #199	4CC #197 4CC #198	13A-48C-86A 13A-48D 13A-66A-66A-66A		5CC #341 5CC #334	5CC #335	13A-48E 25A-25A-41D		8CC #407 No				
2CC #9 14A-88A 2CC #10 2SA-2SA 2CC #11 2YA-28A	3CC #80 3CC #81 3CC #82	30C 878 13A-66A-66A 30C 877 13A-66B 30C 878 13A-66C 30C 878 13A-66C 30C 879 14A-30A-66A	4CC #195 4CC #196 4CC #203 4CC #204	4CC #199 4CC #200 4CC #201	13A-66A-66B 13A-66A-66B 13A-66A-66C		No 5CC #343 5CC #344	5CC #337 5CC #338	25A-41E 2A-12A-30A-65A-66A		No No				
2CC #10 25A-25A 2CC #11 25A-25A 2CC #11 25A-25A 2CC #12 25A-41A 2CC #13 25A-41A	3CC #83 3CC #88	3CC #80 14A-86A-86A 3CC #81 25A-25A-25A	4CC #203 4CC #204 No	4CC #202 4CC #203	13A-660 13A-660 14A-30A-66A-66A		5CC #345 5CC #346	5CC#340 5CC#341	2A-13A-48A-48C 2A-13A-48C-66A		No No				
200 #15 2A-13A	3CC #87 3CC #91	300 #82 25A-25A-26A 300 #83 25A-25A-41A	No No	4CC #204 4CC #205	14A-66A-66A-66A 25A-25A-41C		5CC #347 No	5CC #342 5CC #343	2A-13A-46D 2A-13A-66A-668		No No				
2CC #16 2A-14A 2CC #17 2A-2A 2CC #18 2A-30A	3CC #95 3CC #98	3CC #84 25A-26A-41A 3CC #85 25A-41C 3CC #86 26A-41C	No 4CC #205 4CC #206	400 #205 400 #207 400 #208	25A-26A-41C 25A-41D 2A-12A-30A-66A		No 5CC #338 5CC #338	5CC #344 5CC #345 5CC #346	2A-13A-88A-880 2A-13A-880		No No				
20C #19 2A-68A 20C #20 2A-4A 20C #21 2A-5A	3CC #105 3CC #108 3CC #115	30C 887 2A-12A-12A 30C 888 2A-12A-30A 30C 889 2A-12A-30A 30C 889 2A-12A-86A	4CC #219 4CC #220 4CC #210	4CC #209 4CC #210 4CC #211	2A-12A-65A-65A 2A-12A-65C		5CC #349	5CC #347 5CC #348 5CC #349	2A-14A-65A-65A-65A 2A-2A-12A-30A-65A		No No				
200 #22 2A-66A	3CC #120	3CC #90 2A-128	4CC #222	4CC #212	2A-13A-48A-66A		No 5CC #339 5CC #339	5CC#350	2A-2A-12A-66A-66A 2A-2A-12B-66A		No No				
200 #23 2A-71A 200 #24 2A-7A	3CC #102 3CC #126	3CC #92 2A-13A-66A	4CC #211 4CC #214	4CC #213 4CC #214	2A-13A-66A-66A		SCC #341 SCC #351	5CC#351 5CC#352	2A-2A-13A-66A-66A 2A-2A-13A-66B		No No				
2CC #25 2C 2CC #26 33A-66A 2CC #27 38A-40A	3CC #132 3CC #133	3CC #93 2A-14A-35A 3CC #94 2A-14A-65A 3CC #95 2A-2A-12A	4CC #217 4CC #218 4CC #219	4CC #215 4CC #216 4CC #217	2A-13A-66B 2A-13A-66C 2A-14A-30A-66A		5CC #352 5CC #344 5CC #346	5CC #353 5CC #354 5CC #355	2A-2A-14A-66A-66A 2A-2A-14A-66A-66A		No No				
200 #28 380 200 #29 41A-41A	No 3CC #134	30C 996 2A-2A-13A 30C 997 2A-2A-14A 30C 998 2A-2A-30A	4CC #223 4CC #224	4CC #218 4CC #219	2A-14A-66A-66A 2A-2A-12A-12A		5CC #347 No	5CC #356 5CC #357	2A-2A-5A-66A-66A 2A-2A-5A-66B		No No				
200 #30 41A-42A 200 #31 41A-48A	3CC #137 No	300 #98 2A-2A-30A 300 #99 2A-2A-4A	4CC #226 4CC #228	400 #220 400 #221	2A-2A-12A-35A 2A-2A-12A-65A		5CC #348 5CC #349	5CC #358 5CC #359	2A-2A-5A-66C 2A-2A-5B-65A		No No				
200 932 410 200 933 42A-42A 200 934 420	5CC #380 3CC #136 5CC #379	3CC #99 2A-2A-4A 3CC #100 2A-2A-5A 3CC #101 2A-2A-66A 3CC #102 2A-2A-71A	4CC #231 4CC #234 4CC #235	4CC #223 4CC #224	2A-2A-12A-65A 2A-2A-12B 2A-2A-13A-65A 2A-2A-14A-30A		5CC #351 5CC #353	5CC #361 5CC #361	2A-2A-66A-666 2A-2A-66A-66C		No No				
200 #35 48A-48A 200 #36 48A-66A	300 #142 300 #142	3CC #103 2A-2A-7A 3CC #104 2A-30A-66A	4CC #238 4CC #226	4CC #225 4CC #226	2A-2A-14A-66A 2A-2A-30A-66A		5CC #354 5CC #355	5CC #363 5CC #364	2A-48A-48C-68A 2A-48A-48D		No No				
2CC #37 48A-71A 2CC #38 48C	3CC #149 3CC #107	3CC #105 2A-48A-48A	4CC #240 4CC #240	400 #227	2A-2A-4A-12A		No No	5CC #365	2A-48C-48C 2A-48D-66A		No No				
200 #39 4A-12A 200 #40 4A-13A 200 #41 4A-30A 200 #42 4A-48A	3CC #108 3CC #109 3CC #110	3CC #107 2A-48C 3CC #108 2A-4A-12A 3CC #109 2A-4A-13A	4CC #242 4CC #244	400 #229 400 #230	2A-2A-4A-5A 2A-2A-4A-71A 2A-2A-6A-304		No No 5CC #355	5CC #367 5CC #368 5CC #369	2A-45E 2A-4A-5B-30A 2A-5A-300 ##4 ##7		No No				
200 R42 4H-4GA	No 3CC #111	3CC #111 2A-4A-4A	No 4CC #249 4CC #247	4CC #229 4CC #230 4CC #231 4CC #232 4CC #233 4CC #234	2A-2A-5A-30A 2A-2A-5A-68A 2A-2A-5B		5CC #355 5CC #359	5CC #370 5CC #371 5CC #372	2A-5A-45A-45A-65A 2A-5A-45A-48C		No No				
2CC #45 4A-71A	300 #112 300 #113 300 #114	3CC #112 2A-4A-5A 3CC #113 2A-4A-71A	4CC #249 4CC #230				No No	5CC #373	2A-5A-48C-66A 2A-5A-46D		No No				
200 846 4A-7A 200 847 5A-25A 200 848 5A-30A	3CC #114 No 3CC #115	3CC #114 2A-4A-7A 3CC #115 2A-5A-30A 3CC #116 2A-5A-48A	4CC #251 4CC #254 4CC #255	400 #236 400 #237 400 #238	2A-2A-66C 2A-2A-7A-66A		5CC #361	5CC#374 5CC#375 5CC#376	2A-5B-30A-88A 2A-5B-68A-88A 2A-5B-89R		No No				
200 #49 5A-38A	3CC #166	3CC 9116 2A-SA-RA 3CC 9117 2A-SA-RA 3CC 9118 2A-SA-RA 3CC 9119 2A-SB 3CC 9120 2A-SB-RA	4CC #256	4CC #239 4CC #240	2A-30A-66A-66A 2A-48A-46A-66A 2A-48A-46C 2A-45C-66A		800 M338	5CC #377 5CC #378 5CC #379 5CC #380	2A-5B-68C 2A-7A-12B-66A		No No				
200 #51 5A-41A 200 #52 5A-48A	No 3CC #116	3CC #119 2A-5B 3CC #120 2A-66A-66A	No 4CC #233 4CC #234	400 #239 400 #240 400 #241 400 #242	2A-48A-48C 2A-48C-66A		5CC #370 5CC #363 5CC #363	5CC #379 5CC #380	2C-58-30A 41A-42C-42C		No No				
200 853 5A-5A 200 854 5A-66A 200 855 5A-7A	3CC #169 3CC #170 3CC #173	3CC #121 2A-66A-71A 3CC #122 2A-66B 3CC #123 2A-66C	4CC #235 4CC #236 4CC #237	400 #243 400 #244 400 #245	2A-48D 2A-4A-12A-12A 2A-4A-12A-30A		SCC #366 No	5CC #381 5CC #382 5CC #383	41C-41D 41C-42A-42C		No No				
200 #56 58 200 #57 66A-66A	3CC #119 3CC #132	3CC #124 2A-7A-12A 3CC #125 2A-7A-66A	4CC #251 4CC #238	4CC #246 4CC #247	2A-4A-12B		No No	500 #384 500 #385	48A-48C-668 48A-48C-66C		No No				
2CC #58 66A-71A 2CC #59 668	300 #121 300 #145	3CC #126 2A-7A-7A 3CC #127 2A-7C	4CC #252 4CC #253	4CC #248 4CC #249	2A-4A-5A 2A-4A-5A-30A		No No	5CC #385 5CC #387	48A-48D-66A 48C-48C-66A		No No				
200 #80 860 200 #81 7A-12A 200 #82 7A-42A 200 #83 7A-66A	3CC #146 3CC #124	3CC #128 2C-12A 3CC #129 2C-33A 3CC #130 2C-8A 3CC #131 2C-8A	4CC #272 4CC #261 4CC #273 4CC #274	4CC #250 4CC #251 4CC #252 4CC #253	2A-4A-5B 2A-4A-7A-12A		SCC #968 No	500 #388 500 #389	48C-48D 48C-66A-66A-66A		No No				
200 863 7A-86A 200 864 7A-7A	3CC #125 3CC #126	3CC #130 2C-6A 3CC #131 2C-66A 3CC #132 30A-66A-66A	4CC #239	400 #253 400 #254	2A-4A-7C 2A-5A-30A-66A		No No SCC #369	500 #389 500 #390 500 #391 500 #392	46F 48F 4A-48E		No No				
200 MBS 7B 200 MBS 70	No 3CC #127	3CC #133 41A-41A-41A 3CC #134 41A-41C	4CC #275 4CC #275 4CC #277	4CC #255 4CC #256	2A-5A-48A-48A 2A-5A-48A-66A		5CC #370 5CC #370	5CC #393 5CC #394	4A-4A-5B-30A 5A-48A-48C-68A		No No				
200 #67 4A-17A 200 #68 2A-17A	No No		4CC #277 4CC #277 4CC #280	400 #257 400 #258	2A-5A-66A 2A-5A-66A-66A		5CC #372 5CC #356	500 #395 500 #396 500 #397	5A-48C-48C 5A-48E		No No				
		3CC #136 41A-42C 3CC #137 41C-42A 3CC #138 41D 3CC #139 42A-42C 3CC #139 42A-42C	4CC 9280 4CC 9276 4CC 9277 4CC 9278 4CC 9286	4CC #259 4CC #260 4CC #261	2A-5A-66B 2A-5A-66C 2A-5B-30A		5CC #358 5CC #357 5CC #358 5CC #374	5CC #398 5CC #398 5CC #399	58-830A-858 58-83A-858 58-83A-850		No No				
		3CC #140 42D 3CC #141 48A-48A-68A 3CC #142 48A-48A-71A	4CC #278 4CC #286	400 #262 400 #263	2A-58-66A 2A-66A-66A-66A		5CC #375 5CC #347	500 #400 500 #401	5A-48A-48D 5A-48D-66A		No No				
		3CC #143 48A-48C	4CC #289	4CC #264 4CC #265	2A-66A-66A-71A 2A-66A-668		No 5CC #360	500 #402 500 #403	2A-12B-66A-66A 2A-7C-66A-66A		No No				
		3CC #144 48A-65A-65A 3CC #145 48A-668 3CC #146 48A-66C	4CC #286 4CC #287 4CC #288	400 #266 400 #267 400 #268	2A-88A-88C 2A-88C-71A 24-88D		5CC #361 No 5CC #345	5CC #404	2A-TA-TA-BSA-BSA		No				
		3CC #147 ##C ##A	4CC #289	400 #259	2A-7A-12A-65A 2A-7A-12B		5CC #362 5CC #378 5CC #404								
		3CC #149 48D 3CC #150 4A-12A-12A	4CC #290 4CC #299	400 #270 400 #271 400 #272	2A-7A-12B 2A-7A-56A-65A 2C-12A-30A		5CC #404 No								
		3CC #151 4A-12A-30A 3CC #152 4A-12B 3CC #153 4A-48C	4CC #300 4CC #301 No	400 #273 400 #274 400 #275	2C-5A-30A 2C-66A-66A 41A-41A-41C		No No No								
		3CC #154 4A-4A-12A 3CC #155 4A-4A-13A	4CC #299 No	4CC #276 4CC #277	41A-41D 41A-42A-42C		No No								
		3CC #15E 4A-4A-3QA 3CC #15T 4A-4A-SA	4CC #300 4CC #303	400 #278 400 #279	41A-42D 41C-41C		No No								
		3CC 9158 4A-4A-71A 3CC 9159 4A-4A-7A 3CC 9160 4A-5A-30A	No No 4CC #302 4CC #303	4CC #280 4CC #281 4CC #282 4CC #283	41D-42C 41D-42A 41E		5CC #382 No 5CC #337								
		3CC #161 4A-58 3CC #162 48-76-178	4CC #251				No SCC #380								
		3CC #163 4A-7A-7A 3CC #164 4A-7C 3CC #165 5A-3QA-66A	400 #252 400 #253 400 #365	4CC #285 4CC #286 4CC #287	42E 48A-48A-66A-66A		No No								
			4CC #306	4CC #288	48A-48A-66C		No No 5CC #394								
		3CC #168 5A-48C 3CC #169 5A-5A-66A	4CC #358 4CC #350	4CC #290 4CC #291	48A-48D 48A-66A-66A-66A		SCC #400 No								
		3CC #171 SA-868	4CC #310 4CC #311 4CC #312	4CC #290 4CC #291 4CC #292 4CC #292 4CC #293 4CC #294	49C-48C 48C-66A-66A		5CC #395 No 5CC #384								
		3CC #172	No No	4CC #294 4CC #295 4CC #296			5CC #385 5CC #401								
		3CC #175 58-30A	4CC #316 4CC #317	4CC #297 4CC #298	46E 4A-48D		SCC #396 No								
		3CC 9177 SSA-SSA-SSA 3CC 9177 SSA-SSA-SSA 3CC 9178 SSA-SSA-71A 3CC 9179 SSA-SSS 3CC 9180 SSA-SSC	400 #363 400 #364 400 #313 400 #314	400 #299 400 #300 400 #301	4A-4A-12A-12A 4A-4A-12A-30A 4A-4A-12B		No No								
		3CC #179 85A-85B 3CC #180 85A-85C 3CC #181 85C-71A	4CC #313 4CC #314 4CC #267	4CC #300 4CC #301 4CC #302 4CC #303	4A-4A-5A-30A 4A-4A-5B		No No 5CC #393								
		3CC #182 66D 3CC #183 7A-12A-66A	4CC #258 4CC #259	4CC #304 4CC #305	4A-58-30A 5A-30A-66A-66A		5CC #393 5CC #369								
		3CC #184 7A-128 3CC #185 7A-66A-66A 3CC #186 7C-86A	4CC #320 4CC #326 4CC #321	4CC #305 4CC #307 4CC #308	5A-48A-48A-66A 5A-48A-48C 5A-48C-66A		5CC #370 5CC #371 5CC #372								
		3CC #187 2A-48A-66A	400 #325 400 #325 400 #335	4CC #309	5A-48D		5CC #372 5CC #373 No								
		3CC #188 48A-668 3CC #189 7A-7A-66A 3CC #190 7A-7A-13A	4CC #326 4CC #328	400 #310 400 #311 400 #312 400 #313	5A-5A-666 5A-5A-660		No No								
				4CC #314	5A-88A-88C		No No								
				400 #315 400 #316 400 #317	A30A-66A A30-A30A-66A A30-A30-68		No 5CC #397 5CC #397								
				400 4318			5CC 9376 5CC 9377 5CC 9378								
				4CC #319 4CC #320 4CC #321 4CC #322	7A-12B-66A 7C-66A-66A		5CC #378 5CC #403 5CC #350								
				400 #322 400 #323 400 #324	7A-128-66A 7C-66A-66A 2A-128-66A 2A-7A-7A-66A 2A-7C-66A 2A-66A-66A		5CC #404 5CC #403								\vdash
				4CC #325 4CC #326	TA-TA-EEA-EEA		500 8403 No 500 8404								
				4CC #327 4CC #328	2A-2A-7A-12A		5CC #362 No								

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Note:

- 1) The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.521-1 V16.6.0.
- 2) The reference test frequencies for CA refers to 3GPP TS 36.508 V16.6.0
- 3) Testing is not required in bands or modes not intended/allowed for US operation
- 4) Based on TCB workshop April 2018, only indicate "No" in CA combination table need power measurement

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1.3.3 SAR test exclusion for LTE DL MIMO

SAR test exclusion for LTE DL MIMO was determined by UL power measurements with and without DL MIMO. SAR for DL MIMO was not needed since the maximum output power with DL MIMO active was not > 0.25dB higher than the maximum output power with DL MIMO inactive.

Notebook mode

			DL MIMO	maximum	power veri	fication		
			PCC				Output po	wer (dBm)
			UL				DL MIMO	DL MIMO
Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Frequency [MHz]	Channel	active	inactive
LTE B2	20	QPSK	1	0	1900	19100	18.33	18.46
LTE B4	20	QPSK	1	0	1732.5	20175	18.06	18.18
LTE B5	10	QPSK	1	0	836.5	20525	24.00	24.17
LTE B7	20	QPSK	1	0	2510	20850	18.43	18.56
LTE B12	10	QPSK	1	0	704	23060	23.22	23.37
LTE B13	10	QPSK	1	0	782	23230	23.47	23.57
LTE B14	10	QPSK	1	0	793	23330	23.72	23.92
LTE B17	10	QPSK	1	0	710	23790	23.33	23.47
LTE B25	20	QPSK	1	0	1905	26590	18.73	18.77
LTE B26	15	QPSK	1	0	821.5	26765	21.72	21.90
LTE B30	10	QPSK	1	0	2310	27710	20.10	20.14
LTE B38	20	QPSK	1	0	2580	37850	22.05	22.14
LTE B41	20	QPSK	1	0	2636.5	41055	22.18	22.23
LTE B66	20	QPSK	1	0	1770	132572	19.06	19.27
LTE B42	20	QPSK	1	0	3575	43340	23.66	23.79
LTE B48	20	QPSK	1	0	3603.3	55773	21.38	21.58

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Tablet mode

			DL MIMO	maximum	power veri	fication		
			PCC				Output po	wer (dBm)
			UL				DL MIMO	DL MIMO
Band	Bandwidth [MHz]	Modulation	RB	RB Offset	Frequency [MHz]	Channel	active	inactive
LTE B2	20	QPSK	1	0	1880	18900	16.23	16.28
LTE B4	20	QPSK	1	0	1745	20300	16.71	16.77
LTE B5	10	QPSK	1	0	829	20450	21.46	21.65
LTE B7	20	QPSK	1	0	2535	21100	14.42	14.48
LTE B12	10	QPSK	1	0	707.5	23095	20.08	20.18
LTE B13	10	QPSK	1	0	782	23230	21.24	21.36
LTE B14	10	QPSK	1	0	793	23330	21.62	21.68
LTE B17	10	QPSK	1	0	710	23790	20.76	20.90
LTE B25	20	QPSK	1	0	1860	26140	15.91	15.95
LTE B26	15	QPSK	1	0	821.5	26765	21.72	21.90
LTE B30	10	QPSK	1	0	2310	27710	16.16	16.28
LTE B38	20	QPSK	1	0	2595	38000	16.45	16.60
LTE B41	20	QPSK	1	0	2593	40620	17.02	17.21
LTE B66	20	QPSK	1	0	1720	132072	16.49	16.54
LTE B42	20	QPSK	1	0	3590	43490	17.37	17.41
LTE B48	20	QPSK	1	0	3560	55340	17.57	17.66

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1.4 Test Environment

Ambient Temperature: 22±2° C Tissue Simulating Liquid: 22±2° C

1.5 Operation Description

For WWAN, the EUT is controlled by using a Radio Communication Tester, and the communication between the EUT and the tester is established by air link. The device was tested based on FCC guidance (KDB inquiry).

Notebook mode

SAR is measured with display screen open at 90 degree and bottom side of keyboard touch against the flat phantom.

Tablet mode

SAR is measured with backside/edges of tablet mode touch against the flat phantom.

Note:

- During the SAR testing, the DASY 5 system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
- 2. UMTS: The 3G SAR test reduction procedure is applied to HSDPA with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSDPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSDPA). The following 4 sub-tests were completed according to Release 5 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

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Sub-test	βε	βa	β _d (SF)	βc/βa	β_{hs} $^{(1)}$	CM (dB) ⁽²⁾
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15(3)	15/15 ⁽³⁾	64	12/15 ⁽³⁾	24/15	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note 1: \triangle_{ACK} , \triangle_{NACK} and $\triangle_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs} / \overline{\beta_c = 30/15} \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$.

Note 3: For subtest 2 the βc/βd ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

3. UMTS: The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA) is $\leq \frac{1}{4}$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA). The following 5 sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

Sub- test	βε	β_{d}	β _d (SF)	β_c/β_d	$\beta_{hs}^{(1)}$	β_{ec}	$\beta_{\rm ed}$	β _{ed} (SF)	β _{ed} (codes)	CM ⁽²⁾ (dB)	MPR (dB)	AG ⁽⁴⁾ Index	E- TFCI
1	11/15 ⁽³⁾	15/15 ⁽³⁾	64	11/15 ⁽³⁾	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β _{ed1} : 47/15 β _{ed2} : 47/15		2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 ⁽⁴⁾	15/15 ⁽⁴⁾	64	15/15 ⁽⁴⁾	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 *\beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14/15$ and $\beta_d = 15/15$.

Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.

Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

4. **UMTS:** The 3G SAR test reduction procedure is applied to HSPA+ with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA+) is $\leq \frac{1}{4}$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA+). The following 1 sub-test was completed according to Release 7 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

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Table C.11.1.4: β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM

Sub-	β₀₊□	βd⁴	β _{HS} ₊	β _{ec} ₊∣	β _{ed} ₊	β _{ed} ⊎	CM⊬	MPR√	AG√	E-TFCI	E-TFCI		
test₽	(Note3)₽		(Note1)₽	42	(2xSF2) <i>↔</i>	(2xSF4)√	(dB)⊬	(dB)⊬	Index⊬	(Note 5)∉	(boost)₽		
					(Note 4)₽	(Note 4)₽	(Note 2)₽	(Note 2)⊹	(Note 4)√				
1₽	1₽	0∻	30/15₽	30/15₽	βed1: 30/15√	βed3: 24/15√	3.5₽	2.5₽	14₽	105₽	105₽		
βed2: 30/15φ βed4: 24/15φ													
Note 1: \triangle ACK, \triangle NACK and \triangle CQI = 30/15 with β_{hs} = 30/15 * β_c . ϕ Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0). ϕ													
Note 3					refore the β _o is s			00000	,0).				
Note 4	βed Ci	an no	t be set dii	rectly; it is	set by Absolute	Grant Value.₽							
Note 5	All th	e sub	-tests requ	uire the U	E to transmit 2S	F2+2SF4 16QA	M EDCH a	nd they a	pply for l	JE using I	-		
DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH													
	confi	gurati	ons DPDC	H is not a	allocated. The U	E is signalled to	use the ex	trapolatio	on algorith	hm. <i>.</i> ₽			

5. **UMTS:** The 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable. Since the maximum output power in a secondary mode (DC-HSDPA) is $\leq \frac{1}{4}$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (DC-HSDPA). The following tests were completed according to procedures in section 7.3.13 of 3GPP TS 34.108 v9.5.0. A summary of these setting are illustrated below:

The configurations of the fixed reference channels for HSDPA RF tests are described in 3GPP TS 34.121, annex C for FDD and 3GPP TS 34.122

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Table C.8.1.12: Fixed Reference Channel H-Set 12

-	Parameter∂	Unitℯ	Value₽								
	Avg. Inf. Bit Rate₽	kbps₽	60₽								
Inter-TTI	Distance₽	TTI's₽	1₽								
Number of	of HARQ Processes₽	Proces	6₽								
		ses₽	040								
■ Information	on Bit Payload ($N_{I\!N\!F}$) $\!\scriptscriptstylearphi$	Bits₽	120₽								
■ Number (Code Blocks₽	Blocks₽	1₽								
Binary Cl	nannel Bits Per TTI₽	Bits₽	960₽								
Total Ava	ilable SML's in UE₽	SML's₽	19200₽								
Number of	of SML's per HARQ Proc.₽	SML's₽	3200₽								
Coding R	ate₽	ته	0.15₽								
■ Number of	of Physical Channel Codes₽	Codes₽	1₽								
Modulation	on⊷	÷.	QPSK₽								
■ Note 1:	The RMC is intended to be used for	or DC-HSD	PA								
Note 2:	mode and both cells shall transmit with identical parameters as listed in the table. Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and										

Inf. Bit Payload 120 24 CRC CRC Addition 120 Code Block 144 Segmentation Turbo-Encoding 432 12 Tail Bits (R=1/3)1st Rate Matching 432 RV Selection Physical Channel Seamentation 960

constellation version 0 shall be used.

Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 sub-tests for HSDPA were completed according to Release 8 procedures in section 5.2 of 3GPP TS34.121. A summary of subtest settings are illustrated below:

Sub-test	βε	βa	βa (SF)	β_c/β_d	βhs ⁽¹⁾	CM (dB) ⁽²⁾
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15 ⁽³⁾	15/15 ⁽³⁾	64	12/15 ⁽³⁾	24/15	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 *\beta_c$

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$.

Note 3: For subtest 2 the βc/βd ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

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- LTE: LTE modes test according to KDB 941225D05v02r05.
 - a. Per Section 5.2.1, the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation.
 - Using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
 - When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
 - When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.
 - b. Per Section 5.2.2, the largest channel bandwidth and measure SAR for QPSK with 50% RB allocation
 - The procedures required for 1 RB allocation in 5.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.
 - c. Per Section 5.2.3, the largest channel bandwidth and measure SAR for QPSK with 100% RB allocation
 - For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg.
 - Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - d. Per Section 5.2.4, Higher order modulations
 - For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 5.2.1, 5.2.2 and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.
 - e. Per Section 5.3, other channel bandwidth standalone SAR test requirements

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For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 5.2 to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > ½ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth.

TDD LTE was tested at highest duty factor using UL-DL configuration 0 with 6 UL subframes and 2 special subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4.2, the duty factor for UL-DL configuration 0/special subframe configuration 6 using extended cyclic prefix is 0.633.

According to KDB 941225 D05, SAR testing for TDD LTE must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be tabulated as below.

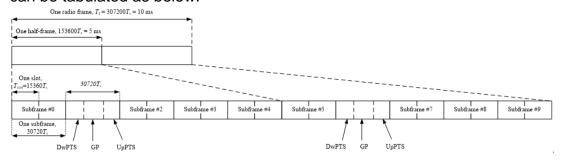


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

- Conside	N ₀	ormal cyclic prefix in	downlink∂	Ext	tended cyclic prefix in	n downlink∂
 Special subframe 	DwPTS.		ets:	DwP.TS.	Upl	ets:
configuratio n₀	ę.	Normal cyclic prefix↓ in uplink∂	Extended cyclic prefix ↓ in uplink∂	Đ.	Normal cyclic prefix in uplink∂	Extended cyclic prefix in uplink
• 0₽	6592 ⋅ T _s ₽			7680 ⋅ T _s ₽		
- 1 ₽	19760 · T _s ₽			20480 · T _s		
■ 2¢	21952·T _s	$(1+X)\cdot 2192\cdot T_{s} \stackrel{\circ}{\sim} $	(1+X)·2560·T _s &	23040 · T _s	$(1+X)\cdot 2192\cdot T_{s}$	$(1+X)\cdot 2560\cdot T_s$
■ 3₽	24144·T _s			25600·T _s		
■ 4₽	26336⋅T _s			7680 · T _s ₽		
■ 5₽	6592 · T _s ₽			20480 · T _s	$(2+X)\cdot 2192\cdot T_s$	$(2+X)\cdot 2560\cdot T_s$
■ 6₽	19760 · T _s ₽	()	()	23040 · T _s	φ	P
■ 7€	21952·T _s	$(2+X)\cdot 2192\cdot T_s$	$(2+X)\cdot 2560\cdot T_{\rm s}$	12800 · T _s &		
■ 8₽	24144·T _s			- ¢	-4	- 43
■ 9₽	13168 · T _s φ			- ₽	- ₽	-0

Table 4.2-2: Uplink-downlink configurations

-	Uplink-downlink -	Downlink-to-Uplink →				Sub	frame	e num	ıber∂			
	configuration∂	Switch-point periodicity.	0↔	1	2₽	3₽	4	5₽	6≎	7₽	8₽	9.₽
•	0₽	5 <u>ms</u> -	D₽	S₽	U₽	U₽	U₽	D₽	S₽	U₽	U₽	U₽
•	1₽	5 <u>ms</u> ₽	D₽	S₽	U₽	U₽	D₽	D₽	S₽	U₽	U₽	D₽
•	2₽	5 <u>ms</u> -	D₽	S₽	U₽	D₽	D₽	D₽	S₽	U₽	D₽	D₽
•	3₽	10 <u>ms</u> .	D₽	S₽	U₽	U₽	U₽	D₽	D₽	D₽	D₽	D₽
•	4.	10 ms.	D₽	S₽	U₽	U₽	D₽	D₽	D₽	D₽	D₽	D₽
-	5₽	10 ms.	D₽	S₽	U₽	D₽	D₽	D₽	D₽	D₽	D₽	D₽
-	6₽	5 <u>ms</u> -	D₽	S₽	U₽	U₽	U₽	D₽	S₽	U₽	U₽	D₽

Considering the highest transmission duty cycle, TDD LTE power class 3 was tested using Uplink-Downlink configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 6 using extended cyclic prefix uplink. Therefore, SAR testing for TDD LTE was measured at the maximum output power with highest transmission duty cycle of 63.33%. Also, TDD LTE power class 2 was tested using Uplink-Downlink configuration 1 with 4 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 6 using extended cyclic prefix uplink. Therefore, SAR testing for TDD LTE was measured at the maximum output power with highest transmission duty cycle of 43.33%

7. **LTE downlink CA:** The device supports a maximum of 6 carriers in the downlink.

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All uplink communications are identical to the Release 8 specifications. Uplink maximum output power is measured with downlink carrier aggregation active, only for the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive. The downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements. The nominal channel spacing is determined by [BW1 + BW2 – 0.1*|BW1 – BW2|]/2 MHz, where BW1 and BW2 are the channel bandwidths of the CC in a 2-CC aggregation configuration. The downlink PCC channel should be paired with the uplink channel according to normal configurations, as if there is no carrier aggregation. The downlink SCC should be adjacent to the PCC and remain within the downlink transmission band for contiguous intra-band CA. For non-contiguous intra-band CA, the SCC should be selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band. For inter-band CA, the SCC should be near the middle of its transmission band. When downlink carrier aggregation is active uplink maximum output power remain within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive, so SAR evaluation is not required for downlink carrier aggregation.

8. LTE intra-band UL CA (contiguous): The device supports LTE intra-band contiguous 2 UL CA for CA_5B, CA_7C, CA_66B, CA_66C, CA_38C, CA_41C and CA_48C. The maximum output power is measured for each UL CA configuration for the required test channels. UL PCC configuration is determined by the required test channel. SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band. SAR for UL CA is required in highest standalone test position and frequency band combination. Since the maximum output for UL CA is \leq standalone LTE mode (without CA), PCC is configured according to the highest standalone SAR configuration tested, SCC and subsequent CCs are configured

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according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC.

- 9. 5G NR: NR implementation of n2, n5, n7, n12, n41 and n66 is limited to EN-DC only, with LTE bands 2/5/7/12/13/25/26/30/41/48/66 acting as anchor bands, SAR tests for NR bands and LTE anchor bands were performed separately due to limitations in SAR probe calibration factor. Due to test setup limitation, SAR testing for NR was performed using factory test mode software to establish the connection.
- 10.5G NR: The device supports NSA only (EN-DC only), SA is not supported, so NR can only be transmitted in EN-DC mode. For WWAN Tx8, only LTE B42 can transmit standalone, other bands only can transmit in EN-DC mode
- 11. 5G NR: 5G NR Power/SAR procedure is similar with KDB 941225 D05. a. For power measurement reduction of DFT-s-OFDM and CP-OFDM, CP-OFDM will not higher than DFT-s-OFDM based on 3GPP MPR table, so CP-OFDM power measurement is unnecessary b. For power measurement reduction of DFT-s-OFDM, 16QAM/64QAM/256QAM will not higher than Pi/2 BPSK and QPSK based on 3GPP MPR table, so Pi/2 BPSK and QPSK are measured fully, and 16QAM/64QAM/256QAM is spot check 1RB allocation/1 RB offset configuration to ensure the output power will not ½ dB higher than Pi/2 BPSK and QPSK. Smaller bandwidth output power will spot check Pi/2 BPSK/1RB allocation/1 RB offset configuration to ensure output power will not ½ dB higher than largest supported bandwidth. c. SAR testing start with the largest channel bandwidth and measure SAR for Pi/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. d. 50% RB allocation for Pi/2 BPSK SAR testing follows 1RB Pi/2 BPSK allocation procedure. e. Pi/2 BPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested. f.

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QPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in Pi/2 BPSK, also reported SAR for the Pi/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required. g. Smaller bandwidth output power for each RB allocation configuration for this device will not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device.

- 12. General: According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is ≤ 0.8 W/kg, when the transmission band is ≤ 100 MHz. According KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is ≥ 0.8 W/kg, repeated that measurement once. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
- 13. General: According to KDB447498D01v06, SAR test exclusion is evaluated as below table.

Tx5 antenna

	Mode	WCDMA Band II	WCDMA Band IV	WCDMA Band V	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B13	LTE B14	LTE B17	LTE B25	LTE B26	LTE B30	LTE B38	LTE B41	LTE B41(HPUE)	LTE B66	n2	n5	n12	n66
Max. tun	e-up power(dBm)	15.2	16.2	21.3	16.3	16.8	21.7	14.5	20.2	21.4	21.8	21	16.1	22	16.5	16.7	17.3	19.4	16.7	12.3	19.9	17.7	13.7
Max. tur	ne-up power(mW)	33.113	41.687	134.896	42.658	47.863	147.911	28.184	104.713	138.038	151.356	125.893	40.738	158.489	44.668	46.774	53.703	87.096	46.774	16.982	97.724	58.884	23.442
	Test separation distance (mm)	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Top side	Calculation value	2.542	3.068	6.905	3.275	3.523	7.571	2.510	4.922	6.803	7.512	5.918	3.132	8.113	3.776	4.206	4.893	7.936	3.467	1.304	5.002	2.768	1.738
	Require SAR testing?	NO	YES	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO	NO									
	Test separation distance (mm)	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290
Right side	>20cm	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Require SAR testing?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Left side	Test separation distance (mm)	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5
	Calculation value	9.153	11.045	24.859	11.791	12.681	27.257	9.036	17.721	24.492	27.042	21.305	11.275	29.207	13.593	15.142	17.616	28.570	12.481	4.694	18.009	9.965	6.255
	Require SAR testing?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Test separation distance (mm)	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
Bottom side	Calculation value	898.536	903.228	609.934	898.536	903.228	609.934	883.567	554.363	583.571	588.195	554.363	898.394	609.934	888.586	882.670	881.457	881.457	902.430	898.536	609.934	554.363	902.430
	Require SAR testing?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Back	Test separation distance (mm)	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5
side	Calculation value	9.153	11.045	24.859	11.791	12.681	27.257	9.036	17.721	24.492	27.042	21.305	11.275	29.207	13.593	15.142	17.616	28.570	12.481	4.694	18.009	9.965	6.255
	Require SAR testing?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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Tx8 antenna

	Mode	LTE B2	LTE B7	LTE B42	LTE B48	LTE B66	n2	n7	n41	n41(HPUE)	n66
Max. tun	e-up power(dBm)	16.4	11.6	17.5	17.7	19	18	11.8	12.5	14.9	13.8
Max. tun	e-up power(mW)	43.652	14.454	56.234	58.884	79.433	63.096	15.136	17.783	30.903	23.988
	Test separation distance (mm)	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5
Top side	Calculation value	12.066	4.634	21.339	22.653	21.195	17.440	4.853	5.833	10.137	6.401
	Require SAR testing?	YES									
	Test separation distance (mm)	49	49	49	49	49	49	49	49	49	49
Right side	Calculation value	1.231	0.473	2.177	2.312	2.163	1.780	0.495	0.595	1.034	0.653
	Require SAR testing?	NO									
Left side	Test separation distance (mm)	219	219	219	219	219	219	219	219	219	219
Leit Side	>20cm	YES									
	Require SAR testing?	NO									
	Test separation distance (mm)	189	189	189	189	189	189	189	189	189	189
Bottom side	Calculation value	1498.536	1483.567	1469.057	1467.981	1502.430	1498.536	1483.567	1481.457	1481.457	1502.430
	Require SAR testing?	NO									
Back	Test separation distance (mm)	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5	less than 5
side	Calculation value	12.066	4.634	21.339	22.653	21.195	17.440	4.853	5.833	10.137	6.401
	Require SAR testing?	YES									

Laptop Mode		LTE B2	LTE B7	LTE B42	LTE B48	LTE B66	n2	n7	n41	n41(HPUE)	n66
Max. tun	Max. tune-up power(dBm)		24	24	22	24	24	24	24	27	24
Max. tun	ne-up power(mW)	251.189	251.189	251.189	158.489	251.189	251.189	251.189	251.189	501.187	251.189
	Test separation distance (mm)	198	198	198	198	198	198	198	198	198	198
Bottom side	Calculation value	1588.536	1573.567	1559.057	1557.981	1592.430	1588.536	1573.567	1571.457	1571.457	1592.430
Require SAR testing?		NO	NO								

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1.6 Smart Transmit feature for RF Exposure compliance

The FCC RF exposure limit is defined based on time-averaged RF exposure. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmit power for WWAN transmitter to ensure the product in compliance with FCC RF exposure limit over a defined time window, for SAR (transmit frequency ≤ 6GHz).

The parameters obtained from SAR characterization (referred to as SAR char, respectively) will be used as input for Smart Transmit. SAR char will be entered via the Embedded File System (EFS) to enable the Smart Transmit Feature.

<Terminologies in this report>

Plimit	The time-averaged RF power which corresponds to SAR_design_target
P _{max}	Maximum tune-up power level
SAR_design _target	The design target for SAR compliance. It should be less than SAR limit to account for all device design related uncertainties.
SAR char	P _{limit} for all the technologies/bands

<SAR Characterization>

SAR char must be generated to cover all radio configurations and usage scenarios that the wireless device supports for operating at 6 GHz or below. It will then be used as input for Smart Transmit to control and manage RF exposure for f < 6 GHz.

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SAR_design_target and Uncertainty

SAR_design_target is determined by ensuring that it is less than FCC SAR limit after accounting for total device designed related uncertainties specified by the manufacturer

SAR_design_target < SAR_limit x 10 ^(-total uncertainty/10)

	Uncertainty dB (k=2)
Total uncertainty	1.0

Exposure	Antenna	Frequency band	SAR_design_target
Laptop mode	Tx5	All	1.11 W/Kg
	Tx8	All	0.635 W/Kg

Exposure	Antenna	Frequency band	SAR_design_target
Tablet mode	Tx5	All	1.16 W/Kg
	Tx8	All	0.635 W/Kg

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target, below the predefined time-averaged power limit, for each characterized technology and band.

Smart Transmit allows the device to transmit at higher power instantaneously, as high as Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit. Below table shows Plimit EFS settings and maximum tune up output power Pmax configured for this EUT for laptop mode.

<Plimit for supported technologies and bands (Plimit in EFS file)>

		DSI=1	DSI=2	
Antenna	Band	Laptop mode	Tablet mode	Pmax* (dBm)
		Plimit** (dBm)	Plimit** (dBm)	
Tx5	WCDMA B II	17.4	14.2	23.5
Tx5	WCDMA B IV	18.4	15.2	23.5
Tx5	WCDMA B V	22.9	20.3	23.5
Tx5	LTE B2	17.5	15.3	23
Tx5	LTE B4	17.2	15.8	23
Tx5	LTE B5	23.6	20.7	23.5

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Tx5	LTE B7	17.6	13.5	23
Tx5	LTE B12	22.4	19.2	23.5
Tx5	LTE B13	22.6	20.4	23.5
Tx5	LTE B14	23.1	20.8	23.5
Tx5	LTE B17	22.5	20.0	23.5
Tx5	LTE B25	17.8	15.1	23
Tx5	LTE B26	23.3	21.0	23.5
Tx5	LTE B30	19.2	15.5	22
Tx5	LTE B38	19.2	13.7	21
Tx5	LTE B41 PC3	19.3	14.3	21
Tx5	LTE B41 PC2	19.3	14.8	22.4
Tx5	LTE B66	18.4	15.7	23
Tx5	5G n2	17.0	11.3	23
Tx5	5G n5	21.9	18.9	23
Tx5	5G n12	21.4	16.7	23
Tx5	5G n66	17.3	12.7	23
Tx8	LTE B2	28	15.4	23
Tx8	LTE B7	28	10.6	23
Tx8	LTE B42	28	14.5	21
Tx8	LTE B48	28	14.7	19
Tx8	LTE B66	28	18.0	23
Tx8	5G n2	28	17.0	23
Tx8	5G n7	28	10.8	23
Tx8	5G n41 PC2	28	13.9	26
Tx8	5G n41 PC3	28	11.5	23
Tx8	5G n66	28	12.8	23

^{*}Pmax is used for RF tune up procedure. The maximum allowed output power is equal to Pmax + 1dB uncertainty.

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^{**}All Plimit power levels entered in the Table correspond to average power levels after accounting for duty cycle in the case TDD modulation schemes (for e.g., LTE TDD). The max allowed output power is the Plimit + 1dB device uncertainty, and if Plimit is higher than Pmax, the device output power will be Pmax instead.



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1.7 Operating modes validation by power measurement

The device is a convertible laptop computer with predefined single fixed power to each device modes.

For the operating modes validation, the measured conducted output power is monitored qualitatively to identify the triggering characteristics and recorded quantitatively.

DUT operating mode	Lid Angle description	WWAN TX5 state	WWAN TX8 state	WLAN TX state
Lid Close	0° ≤ Lid angle <35 °	Standby mode	Standby mode	Standby mode
Notebook	35° ≤ Lid angle < 130°	Power Level 1	Power Level 1	Power Level 1
Non-Notebook	130° ≤ Lid angle ≤ 360°	Power Level 2	Power Level 2	Power Level 2
Stand mode	200° < Lid angle ≤ 345°	Power Level 2	Power Level 1	Power Level 1

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1.7.1 Results and conclusion

The measured output power versus lid angle is tabulated in the following table, and the triggering verification complies with the device mode / power level declared by the manufacturer.

Operating mode validation by power measurement

| | Operation mode | | od angle | NICEMA Barel 2 | WCDMA Bland 6
 | WCDMA Ba | 45 | II Band 2 | LTE Band 6 | LTE Band B
 | LTS Band 7 | LTE Band 12 | LTS Band 13
 | LTE Bland 14 | L'SE Bland 17 | LTE Band 25 | CTE Bland 26
 | LTE Band 30 | LTE Bland 38 | CTE Stand 45
 | LTE Band COPUS) | CTE Bland 66 | NK+2
 | NK +6 | NK +12 | NK nts
 |
|-----|---|----------|---|---
---|--|----|--
---	---	---
--	---	---
--	---	---
---	---	---
---	---	--
	Littlese	E
 | 1/A
1/A | Ŧ | 10 | 5/3
5/3 | N/A
N/A
 | 5/3
5/3 | N/A
N/A | N3
N3
 | 10 | 49 | 10 | N/A
N/A
 | N/A | 00 | 49
49
 | 10 | N/A
N/A | - FG
 | nde
nde | 43
43 | 500
500
 |
| | | E | 30 ⁷ | NA
NA | rik
rik
 | NA
NA | Ŧ | N/A
A/A | 69 | NA
NA
 | 69 | N/A
N/A | 10
 | -00 | 10 | 50 | N/A
 | 49 | nia
nia | 10
 | 10 | 1/A
1/A | - 60
 | 69 | 49 | 50
 |
| | Laptop | \vdash | 27 | 18.33 | 19.38
 | 23.0 | | 3.00 | 18.10 | 26.63
26.63
 | 18.02 | 23.27 | 23.60
 | 23.99
24.00 | 23.38
23.08 | 18.66 | 26.18
 | 2013 | 22.15
22.05 | 22.23
 | 23.73
23.88 | 9.3 | 17.98
17.99
 | 22.39
22.38 | 22.30
22.35 | 18.18
 |
| | Littere | E | 37 | 74 | 10
 | 00A | = | 10
10 | 10 | NA
NA
 | 10 | 1/4
1/4 | NA
NA
 | | 10 | 10 | 1/4
 | 49
49 | 100 | 40
40
 | 10 | 008
008 | - 0
 | 60
60 | 40
40 | 10
 |
| | Littude | | 37 | NA. | F-20
 | 1/4 | _ | N/A | nia
nia | Na
Na
 | 60 | N/A | ***
 | 100 | 10 | 6/8 | N/A
 | N/A | 100 | 49
 | 10 | N/A | -
 | nia
nia | N/A | 60
 |
| | | ⊨ | ő | 19.32 | 1928
 | 22 M | = | 22 | 18.00 | 200
 | 18.0 | 22.38
73.38 | 23.67
 | 23 M | 22.20 | 18.61 | 2012
 | 2018 | 22.18
71.67 | 22.17
 | 23.84 | 77.02 | 17.66
 | 22.9 | 22.22
77.32 | 10.21
10.21
 |
| | | | 37
W | 18.32 | 19.21
 | 23.90 | | 3.36 | 18.06 | 24.00
 | 18.60 | 23.38 | 23.40
 | 24.06 | 23.35 | 18.67 | 26.13
 | 2011 | 22.09 | 22.26
 | 23.79 | 19.35 | 17.69
 | 22.32 | 22.31 | 18.19
 |
| | | | 37 | 18.27 | 19.24
19.39
 | 23.88
23.79 | _ | 3.0 | 18.16 | 26.88
26.80
 | 18.0 | 23.31
23.38 | 23.41
 | 24.00
23.62 | 23.07 | 18.79 | 26.25
 | 20.17 | 22.06
22.06 | 22.13
22.29
 | 23.89
23.89 | 19.32 | 17.68
17.66
 | 22.2h | 22.28
23.21 | 18.27
18.27
 |
| | Laptop | F | 507
507 | 1831 | 19.31
 | 23.12 | _ | 98.33
98.39 | 18.62 | 2683
2682
 | 18.42 | 23.39 | 23.61
 | 23.91 | 23.60 | 18.66 | 2636
 | 2011 | 22.06
22.08 | 22.18
22.22
 | 23.81 | 936
936 | 17.94
17.90
 | 22.31
22.39 | 22.30
22.23 | 18.37
 |
| | | | 707 | 18.36 | 19.31
 | 23.63 | | 18.31 | 18.06 | 26.00
 | 18.67 | 23.38 | 23.69
 | 23.64 | 23.36 | 18.70 | 26.19
 | 2012 | 22.64 | 22.28
 | 23.81 | 19.33 | 17.80
 | 22.36 | 22.26 | 18.20
 |
| | | F | 107 | 18.32 | 19.37
 | 23.00 | = | 937 | 18.20 | 24.65
24.66
 | 18.61 | 23.29 | 23.52
 | 2421 | 23.98 | 18.73 | 2019
 | 2019 | 22.14 | 22.25
 | 23.89 | 931 | 17.85
 | 22.23 | 22.31
22.20 | 18.31
 |
| | | F | 132" | 18.27 | 19.39
19.26
 | 23.17
23.78 | _ | 18.37
18.09 | 18.09 | 2683
2661
 | 18.60 | 23.28 | 23.54
 | 23.56
23.56 | 23.38
23.38 | 18.63 | 26.12
 | 2034
2036 | 22.65 | 22.16
22.26
 | 23.71 | 19.33
19.31 | 17.83
17.89
 | 22.40
22.31 | 22.30
22.32 | 18.24
 |
| | Tables | - | 130" | 18.17 | 36.17
19.23
 | 21.21 | _ | %20
9.31 | 16.62 | 21.68
26.02
 | 16.61 | 20.09
23.36 | 21.36
 | 21.76 | 20.85 | 15.M
15.E | 21.90
 | 36.69
20.19 | 16.62 | 17.12
 | 19.23
23.81 | 36.67
39.32 | 12.13
 | 19.81 | 17.59 | 13.70
 |
| | Laptop | F | 120" | 1832 | 19.35
 | 23.12
23.86 | _ | 3.0 | 18.01 | 2683
2688
 | 18.66 | 23.31 | 23.56
 | 23.96
26.07 | 23.67 | 18.70 | 26.23
 | 2011 | 22.19
22.14 | 22.17
 | 23.76 | 19.32 | 17 82
17 83
 | 22.30 | 22.24 | 18.13
18.26
 |
| | | F | 120" | 18.27 | 19.26
19.38
 | 23.80 | = | 18.30
18.37 | 18.19 | 26.69
26.68
 | 18.60 | 23.33 | 23.61
 | 26.05 | 23.36
23.60 | 18.70 | 26.22
 | 20.19 | 22.30
22.36 | 22.22
22.18
 | 23.77 | 9.29 | TEAT
 | 22.31
22.30 | 22.27 | 18.14
18.27
 |
| | | F | 130" | 15.13 | 96.59
96.20
 | 21.22 | == | 9.72 | 16.79 | 21.64
 | 14.30 | 20.14
20.06 | 21.22
21.21
 | 21.75 | 20.80 | 11.86 | 2.88
 | 16.00 | 16.70 | 17.34
 | 1931 | 9.66 | 12.26
 | 19.76 | 17.85 | 13.61
 |
| | | F | 130" | 15.07 | 16.10
16.32
 | 21.15 | _ | 96.14
96.30 | 16.71 | 21.68
21.68
 | 16.36 | 20.12 | 21.26
21.28
 | 21.69
21.65 | 20.82 | 15.83 | 21.86
 | 76.66
76.66 | 16.67
16.60 | 17.19
 | 19.23
19.40 | 96.07
96.70 | 12.25
 | 19.73 | 17.63 | 13.69
 |
| | | F | 130" | 18.14 | 16.20
16.36
 | 21.14
31.17 | = | 96.11
96.22 | 16.72
16.65 | 21.68
21.88
 | 14.41 | 20.19
20.14 | 21.34
21.31
 | 21.70 | 20.88
20.84 | 15.89 | 2.56
 | 16.65
16.07 | 16.66 | 17.20
 | 19.32
19.32 | 96.62
96.70 | 12.16
 | 19.88 | 17.66
17.68 | 13.68
 |
| | | F | 180 | 15.02 | 56.11
56.17
 | 21.52 | _ | 96.13
96.20 | 16.62 | 21.63
21.66
 | 14.36 | 20.18 | 21.24
21.28
 | 21.79 | 20.30
20.30 | 16.07 | 20.90
 | %.65
%.07 | 16.61 | 17.26
 | 1932 | 16.61
16.68 | 1221
 | 19.60 | 17.61 | 13.61
 |
| | | F | 180* | 15.10 | 16.04
 | 21.36 | = | 16.20 | 16.62 | 21.62
21.67
 | 16.96 | 20.16 | 21.24
 | 21.71 | 20.83 | 16.81 | 21.89
 | 16.32 | 16.66 | 17.22
 | 19.38 | 96.55
96.72 | 12.11
 | 19.70 | 17.67 | 13.66
 |
| | | = | 180" | 15.16 | 16.10
16.01
 | 21.25 | = | 9.15
9.11 | 16.60 | 21.85
 | 14.34 | 20.08
20.18 | 21.39
 | 21.66 | 20.00 | 14.09 | 21.93
 | 16.35
16.37 | 14.50 | 17.27
 | 1933 | 9.07 | 1223
 | 19.75 | 17.54
17.66 | 13.50
 |
| | | ⊨ | 200" | 15.16 | 16.01
 | 21.19
21.27 | _ | 16.13 | 16.76 | 21.68
21.56
 | 14.33 | 20.16
20.20 | 21.36
 | 21.75 | 20.85 | 16.07 | 21.90
 | 76.65
76.37 | 16.62 | 17.11
 | 19.32 | 36.67
36.66 | 1213
 | 19.79 | 17.69 | 13.40
 |
| | Table | F | 23° | 16.08 | 16.04
16.20
 | 21.37 | = | % 22
% 23 | 16.62 | 21.62
21.68
 | 16.69 | 21.0°
21.04 | 21.26
21.38
 | 21.63
21.80 | 20.30
20.88 | 16.00
16.04 | 2.80
 | 16.33
16.66 | 16.62
16.64 | 17.20
 | 19.40
19.32 | 31.63
31.63 | 1211
 | 13.88 | 17.69 | 13.87
13.84
 |
| | | ⊨ | 28" | 15.06 | 16.05
16.12
 | 21.39 | = | 96.26
96.27 | 14.70 | 21.65
 | 14.30 | 20.11 | 21.28
21.25
 | 21.73 | 20.88
20.98 | 14.09 | 20.00
 | % SI | 16.62 | 17.11
 | 19.35 | 9.17 | 13.22
 | 19.75 | 17.55 | 13.66
 |
| | | F | 207 | 15.08 | 16.19
16.20
 | 21.38 | = | 96.13
76.14 | 16.63 | 21.68
21.63
 | 16.31 | 20.19 | 21.24
 | 21.79 | 20.99 | 15.87 | 20.90
 | 16.66 | 16.63 | 17.19
 | 19.28
19.34 | 16.60
16.60 | 12.16
 | 19.77 | 17.67 | 13.65
 |
| | | E | 280 | 16.13 | 16.06
16.07
 | 21.32
21.39 | Ŧ | 16.20
16.21 | 16.61 | 21.87
21.86
 | 14.30 | 20.04
20.19 | 21.34
21.26
 | 21.74 | 20.80
20.89 | 11.92 | 21.90
 | 16.35 | 16.65 | 17.9
 | 19.40 | 94.63 | 12.12
 | 19.35 | 17.64 | 13.65
 |
| | | Е | 300" | 16.00 | 16.12
16.19
 | 21.35
21.56 | I | %.30
%.23 | 16.65
16.66 | 21.67
21.87
 | 14.37
14.49 | 39.00
39.17 | 21.40
21.26
 | 21.72
21.71 | 20.87 | 16.10
16.03 | 21.87
 | 16.40
16.66 | 16.62
16.60 | 17.14
 | 19.36
19.27 | 16.64
16.62 | 12.13
 | 19.76
19.86 | 17.12
17.13 | 13.69
 |
| | | E | 326° | 16.20 | 36.07
56.17
 | 21.36
31.58 | Ŧ | 96.10
96.10 | 16.76
16.80 | 21.68
21.60
 | 14.46
14.30 | 20.15
20.10 | 21.30
21.30
 | 21.80
21.73 | 20.88
20.87 | 14.02 | 21.95
21.80
 | 16.38
16.37 | 16.67 | 17.19
 | 19.37
19.38 | 16.66
16.70 | 1224
 | 13.00 | 17.47 | 0.40
 |
| | | Е | 380" | 16.13 | 9630
9639
 | 21.25
21.21 | Ŧ | 16.5G
16.16 | 16.61 | 21.63
21.66
 | 16.86 | 20.19
20.16 | 21.38
21.38
 | 21.65 | 20 M | 16.09 | 2.88
 | 16.36
16.37 | 16.60 | 17.59
 | 19.33
19.22 | 9.40 | 12.12
 | 19.00 | 17.65
17.67 | 13.66
 |
| | - | Œ | 387 | 15.00 | 16.07
16.02
 | 21.58
21.58 | Œ | 96.25
96.12 | 16.66 | 21.88
21.87
 | 16.40 | 20.20
20.00 | 21.39
21.36
 | 21.76
21.64 | 20.83 | 16.80
96.00 | 2.N
2.N
 | 16.61
16.66 | 16.61 | 17.30
 | 19.27
19.30 | 16.60 | 12.26
 | 19.87 | 17.84
17.86 | 13.69
 |
| | 1 | E | 337 | 15.08 | 16.76
 | 31.12
31.16 | F | ni 25
16.21 | 16.80
16.80 | 21.64
21.64
 | 16.49 | 20.01 | 21.60
21.30
 | 21.69 | 20:30
20:38 | 16.09 | 2.90
 | 16.80
16.60 | 16.65 | 17.9
 | 19.40 | 16.66
16.62 | 12.13
 | 19.60 | 17.43 | 13.66
 |
| | | E | 339" | 18.30 | 16.30
16.02
 | 21.37
21.30 | Œ | 16.27
16.19 | 16.70 | 21.66
21.66
 | 16.00 | 20.16
20.11 | 21.36
21.36
 | 21.75 | 20.85
20.83 | 16.61 | 21.90
 | 16.60
16.66 | 16.62 | 17.37
 | 19.38
19.36 | 94.60
94.60 | 12.17
 | 19.87 | 17.86
17.88 | 13.66
13.67
 |
| | | E | 307 | 15.19 | 16.06
16.08
 | 21.07 | ±Ξ | 3.25
3.11 | 16,71
16,72 | 21.60
21.68
 | 16.46
16.90 | 21.02
20.15 | 21.21
21.30
 | 21.73 | 20.88
20.88 | 11.00 | 2.90
2.90
 | 16.05
16.07 | 16.65 | 17.8
17.9
 | 19.37
19.31 | 9.85
9.85 | 12.22
12.20
 | 15.80 | 17.40
17.70 | 0.02
0.04
 |
| | | | 277 | 15.09 | 16.16
16.16
 | 21.36
21.27 | | 9.19 | 16.61 | 21.83
 | 14.60 | 20.01 | 21.29
21.26
 | 21.51 | 20.82 | 15.83 | 22.00
 | 16.30 | 16.65 | 17.19
 | 19.34 | 16.60
16.66 | 12.16
 | 19.75 | 17.65 | 13.83
 |
| | | ь | 297 | 15.05 | 16.39
 | 21.17 | | 96.11
76.24 | 16.67 | 21.70
 | 14.37 | 20.08 | 21.37
21.34
 | 21.72 | 20.8E | 16.02 | 2.81
 | 16.60
16.63 | 16.61 | 17.29
 | 19.34
19.38 | 76.66
76.66 | 12.17
 | 19.71 | 17.86 | 13.62
 |
| | Table | \vdash | 237 | 15.06 | 56.58
56.18
 | 21.18 | | 96.11 | 16.69 | 21.93
 | 14.80 | 20.09 | 21.23
21.39
 | 21.68 | 20.83 | 15.80 | 2.88
 | 16.33
16.38 | 16.61 | 17.36
 | 19.30 | 96.62 | 12.19
 | 19.07 | 17.63 | 13.66
 |
| | | | 237 | 15.19 | 16.06
 | 21.11 | | 16.76 | 16.70 | 21.61
 | 16.61 | 20.10 | 21.36
21.24
 | 21.69 | 20.87 | 16.01
15.86 | 21.99
 | 16.00 | 16.62 | 17.20
 | 19.30 | 16.62 | 1213
 | 19.76 | 17.86 | 11.62
 |
| | | E | 207
197 | 15.04 | 3634
5614
 | 21.25 | = | 12 | 16.61 | 21.63
21.61
 | 14.46 | 20.17
20.10 | 2136
 | 21.73 | 20.8 | 14.0 | 2.65
2.10
 | 16.31
16.41 | 16.62 | 17.50
17.86
 | 19.27
19.23 | 348
348 | 12.18
12.14
 | 15.75 | 17.47 | 11.65
 |
| | | | 182" | 15.06 | 16.20
16.18
 | 21.16 | | 96.19 | 16.62 | 21.63
21.62
 | 16.66 | 20.16 | 21.36
21.28
 | 21.76 | 20.83 | 15.86 | 21.87
 | 16.69 | 16.61 | 17.16
 | 19.34 | 96.67 | 1226
 | 19.75 | 17.66 | 13.66
 |
| | | \vdash | 180" | 15.00 | 16.02
36.07
 | 21.18 | _ | 96.20
96.22 | 16.70 | 21.61
 | 16.80 | 20.11 | 21.21
 | 21.70 | 20.98
20.98 | 15.00 | 2.8
 | 16.02 | 16.67 | 17.26
 | 19.30 | 16.60 | 1211
 | 19.50 | 17.66 | 13.61
 |
| | | \perp | 130" | 15.05 | 16.12
16.13
 | 21.36
21.36 | | 9.30
9.18 | 16.70 | 21.82
21.83
 | 14.48 | 20.18
20.06 | 21.29
21.26
 | 21.62 | 20.80
20.82 | 15.86
56.67 | 21.83
 | 16.0 | 16.64 | 17.21
 | 19.21
19.36 | 56.75
56.68 | 12.12
 | 19.80 | 17.61 | 13.50
13.64
 |
| | Laptop | \perp | 120" | 18.35 | 1924
 | 23.80
23.80 | = | 18.47 | 18.00 | 26.63
26.88
 | 18.60 | 23.36
23.36 | 23.61
23.41
 | 24.62
24.66 | 23.36
23.38 | 18.07 | 26.13
26.26
 | 20.11
20.14 | 22.06
22.11 | 22.17
22.25
 | 23.80 | 19.23 | 17.85
17.82
 | 22.38
22.36 | 23.38
23.34 | 18.15
18.23
 |
| | Takini | ╘ | 130" | 18.70 | 1937
 | 23.86 | | 3.0 | 18.15 | 21.64
 | 16.31 | 23.38
23.38 | 23.56
 | 21.50 | 23.36 | 15.55 | 21.89
 | 16.69
20.06 | 22.14 | 17.26
22.19
 | 19.35
23.75 | 19.21 | 1239
 | 19.80
22.23 | 22.24 | 18.30
 |
| | | \vdash | 120" | 18.37 | 19.34
 | 23.88 | | 3.0 | 18.07 | 2681
 | 18.81 | 23.23 | 23.67
 | 23.87 | 23.60 | 18.00 | 20.23
 | 2039 | 22.16 | 22.16
 | 23.73 | 9.9 | 17.83
 | 22.32 | 22.24 | 9.3
 |
| 141 | | | 120" | 18.40 | 19.35
19.35
 | 23.73
23.90 | | 18.32 | 18.09 | 26.86
26.69
 | 18.60 | 23.23 | 23.52
 | 23.86
23.88 | 23.43
23.39 | 18.77 | 26.17
 | 2036
2038 | 22,30
22,16 | 22.11
22.26
 | 23.76 | 19.27 | 17.86
17.87
 | 22.97
22.97 | 22.22
22.38 | 16.13
 |
| | Laptop | ь | 190" | 18.38 | 19.27
19.30
 | 23.M
23.T3 | | 9.0 | 18.09 | 26.67
26.88
 | 18.87 | 23.25 | 23.61
23.64
 | 23.86
26.66 | 23.47
23.46 | 18.41 | 26.27
26.27
 | 2036
2011 | 22.07
22.18 | 22.26
22.26
 | 23.76
23.81 | 9.31 | 17.83
17.82
 | 22.36
22.36 | 22.34
22.36 | 18.27
 |
| | Lightig | Е | NF
NF | 18.30 | 1935
1928
 | 23.75
23.86 | H | 98.37
98.37 | 18.18 | 24.66
24.60
 | 18.83 | 23.21
23.35 | 23.47
 | 23.62 | 23.40
23.48 | 18.80 | 26.18
26.12
 | 20.13
20.11 | 22.0F
22.14 | 22.24
22.13
 | 23.73 | 938 | 17.84
17.85
 | 22.22
22.29 | 22.33
22.39 | 9.17
 |
| | | Е | 60' | 18.36 | 19.34
 | 23.86 | | 38.34 | |
 | | |
 | | | | 26.27
 | 20.19 | 22.19 | 22.36
 | 23.83 | 934 | 17.83
 | 22.23 | 22.29 | 18.13
 |
| | | | | |
 | 23.86 | | | 18.06 | 24.63
 | 18.41 | 23.35 | 23.55
 | 3667 | 23.48 | 31.02 | 2029
 | | |
 | | |
 | | |
 |
| | | | GT . | 18.30 | 19.33
19.28
19.32
 | 23.55
23.75
23.80 | # | 1.0
1.0 | 18.06
18.14
18.08 | 26.60
26.68
26.62
 | 18.41
18.46
18.56 | 23.35
23.22
23.38 | 21.0
21.0
21.0
 | 21.54
23.54
23.56 | 23.88
23.30
23.30 | 11.0 | 26.19
26.20
 | 2030
2030
2020 | 22.18
22.18
22.08 | 22.29
22.19
 | 23.72
23.89
23.90 | 19.25
19.25 | 17.81
17.88
 | 22.37
22.37
22.60 | 22.39
22.27 | 18.12
16.12
16.28
 |
| | | E | 20" | 18.30
18.38
18.38 | 19.33
19.28
19.32
19.37
 | 23.13
23.13
23.10
23.15 | ŧ | 1.0
1.0
1.0 | 18.06
18.14
18.06
18.00 | 24.63
24.68
24.62
24.63
76.63
 | 18.40
18.40
18.50
18.50 | 23.35
23.22
23.38
23.31
608 | 23.61
23.61
23.64
23.69
 | 21.65
23.66
23.66
23.66 | 23.20
23.37
23.37
23.40 | 1.6
1.6
1.5 | 26,19
26,19
26,20
26,27
 | 2032
2038
2020
2011 | 22.18
22.56
22.66
22.64 | 22.36
22.36
22.36
22.36
 | 23.52
23.89
23.80
23.83 | 19.28
19.28
19.36 | 17.81
17.88
17.83
 | 22.37
22.40
22.50
22.50 | 22.39
22.27
22.26 | 96.12
96.22
96.28
96.11
 |
| | Listing | Ē | #
#
#
| 18.30
18.38
18.38
WA
WA
WA | 19.33
19.28
19.33
19.33
19.37
60
60
19.24
 | 23.50
23.73
23.50
23.76
23.76
7/8
7/8
23.86 | | 1.6
1.6
1.0
1.0
1.0
1.0
1.0 | 18.06
18.14
18.00
18.00
69
69 | 24.63
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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Arterna	Operation mode	Lid worls	LTE Band 2	I TE Sand 7	LTE Band 42	LTE Bood 48	ITE Band 66	MR e2	NP n7	ND nat	MP ANNELS I	MD acc
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		30"	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	r/a r/a	n/a n/a	n/a n/a	n/a n/a
	Lid close	32°	n/a n/a	n/a n/a	n/a n/a	nia nia	n/a n/a	nia nia	n/a n/a	n/a n/a	n/a n/a	nia nia
		34"	n/a 23.84	n/a 23.93	n/a 23.95	n/s 21.81	n/s 23.90	n/a 23.82	n/a 23.92	n/a 23.99	n/a 25.74	n/a 23.91
		36°	23.84 23.86 23.85	23.91 23.81 23.98	23.87 23.89	21.87 21.95 22.00	23.81 24.00 23.90	23.87 23.81	23.86 23.91	23.83	25.83 25.86 25.75	23.96 23.86 24.00 23.85
		38"	23.85	23.98 23.96	23.87 23.89 23.84 23.92	22.00 21.00	23.90 23.98 23.89	23.87 23.81 23.96 23.82 23.82	23.86 23.91 23.88 23.96	22.83 23.89 23.98 23.98	25.75 25.84	23.65
		40"	23.96	23.86	23.00	21.90		23.86		23.98	25.74	23.99
	Laptop	60*	23.90	23.89 23.88	23.99	21.97 21.95	21.86 21.95	23.84 23.95	23.83 23.97	23.93	25.84	23.90
		80"	23.96 23.94	23.92 23.87 23.83	23.82	21.96	23.96 23.82	23.92 23.92 23.91	23.82 23.90	23.95	25.80 25.80	23.00 23.00 23.94
		100"	23.95	24.00 23.96	23.83	21.83 21.98	23.94 23.97	23.85 23.92	23.95 23.84	23.84	25.77 25.88	23.04
		120"	23.81	23.87	23.84		23.83	23.85	23.82	24.00	25.82 25.82	23.86
	13046	125"	24.00	23.85 23.93	17.50 23.98 23.88	21.91 17.58 21.89 21.91	23.83 18.83 24.00 23.84 23.85 23.93	23.94 23.91	23.88 23.88	23.87	25.00 25.79	23.86 13.69 23.81 23.81 23.86
	Laptop	120"	24.00 23.98	23.93 23.87	23.88 23.83	21.91 21.91	23.84 23.85	23.9f 23.8f	23.87 23.96	23.96 23.92	25.79 25.77	23.81 23.88
		129°	23.91	23.98 23.94	23.85	21.99 21.87	23.93 23.87	23.88	23.87	23.93	25.73 25.86	24.00
		130"	16.35 16.28	11.46 11.52	17.42 17.32	17.52 17.68	10.02	17.87	11.79	12.40	14.82	13.79
		132°	16.20 16.27 16.32	11.50	17.49 17.45	17.62 17.59	18.98	17.84 17.81	11.74	12.43 12.33	14.77 14.87 14.90 14.82	13.77
		134"	16.35 16.33	11.49 11.45	17.32 17.34	17.59 17.56 17.60	18.93 18.86 18.86	17.89 17.94	11.63	12.43 12.37	14.82	13.61 13.61 13.68
		165"	16.36 16.26	11.53	17.46		18.90 18.90	17.82 17.88 17.87	11.74 11.75 11.63 11.71 11.75 11.70 11.63	12-43 12-33 12-43 12-37 12-49 12-43 12-31	14.72 14.86 14.75	13.65
		165"	16.34 16.40	11.44	17.32 17.47	17.62 17.58 17.63	10.02	17.87 17.93	11.63	12.31	14.75	13.72
		185"	16.40	11.50	17.42 17.32	17.70 17.67	18.81 18.83 18.91	17.99 17.90	11.75	12.42	14.77	13.65
		205° 215°	16.25 16.29	11.45 11.45	17.47 17.41	17.63 17.58	18.93	17.86 17.86	11.64	12.32 12.39	14.74	13.74
	Tablet	225° 235°	16.38 16.35 16.29	11.52 11.41	17.47	17.51 17.64	10.04	17.98 17.88	11.76	12.43 12.31	14.74	13.72
1	1	245° 255°	16.29 16.26	11.52 11.41 11.55 11.48 11.53	17.47 17.38 17.34 17.46	17.69 17.63	10.04 10.00 10.04 10.05	17.96 17.92	11.64	12.49	14.74 14.85 14.84 14.71	13.72
1	1	265° 275°	16.36	11.53	17.46 17.50	17.53 17.56	18.97	17.89 17.99	11.71	12.50 12.45	14.75	13.64
1	1	285° 295°	16.28 16.36	11.41 11.54 11.55	17.44 17.34	17.53 17.56 17.69 17.67	10.84 10.82	17.94 17.97	11.71 11.80 11.70	12.34 12.32	14.72 14.75	13.62
1	1	305,	16.36 16.24	11.50	17.34	17.61		17.81	11.74	12.38		13.69
1	1	325°	16.24 16.25 16.38	11.50 11.50	17.41 17.32 17.36 17.32	17.62 17.67	10.04 10.06 10.02	17.98 17.84 17.86	11.76	12.50 12.50	14.82 14.90	13.80
1	1	345"	16.21	11.51	17.32	17.56 17.55	10.04	17.86 17.95	11.72 11.64	12.49	14.03	13.69
1	⊢—	360*	16.24 16.27	11.60	17.43 17.47	17.54 17.51 17.66	19.00 19.00	17.89 17.96 17.82	11.01 11.77 11.66	12.44 12.44	14.79	13.63
1	1	340"	16.40	11.60	17.45	17.70	18.91	17.84	11.65	12.40	14.80	13.65
1	1	220"	16.23	11.54	17.37	17.53	12.54	17.92	11.78	12.46	14.01	13.62
1	1	300"	16.40	11.53	17.46	17.66	18.98	17.84	11.75	12.33	14.80	13.61
1	1	290° 280° 270°	16.25 16.27 16.35	11.42 11.50 11.43	17.35 17.50 17.38	17.66 17.60	10.00 10.00 10.00	17.92 17.93 17.86	11.67 11.63 11.66	12.38 12.31 12.35	14.77 14.77	13.72 13.61
		260*	16.25	11.56		17.51 17.69 17.58	10.09	17.86	11.67	12.40		13.61
	Tablet	250° 240°	16.35	11.50	17.34 17.35 17.41 17.35 17.31	17.58 17.70	18.89 18.95 18.86 18.84 19.00 18.81	17.82 17.83 17.83 17.86 17.87	11.67 11.73 11.64 11.80 11.71 11.62	12.35 12.40 12.45 12.42	14.90 14.86 14.81 14.90	13.80
		230° 220°	16.35 16.35	11.45	17.35 17.31	17.70 17.52 17.54 17.68	19.84	17.87 17.85	11.90	12.42 12.31 12.40 12.30 12.41	14.91	13.79 13.76 13.64
		210° 200°	16.29 16.39	11.58 11.60	17.39 17.40	17.68 17.53	18.81 18.97 18.68	17.92 17.94 17.95	11.62 11.62	12.38 12.41	14.71 14.83 14.87	13.73
		190"	16.37 16.34	11.55	17.48 17.48	17.55 17.66	18.98	17.95 17.97	11.61	12.32	14.87	13.64
		170°	16.26 16.40	11.54	17.41	17.65 17.55	18.91	17.89 17.99	11.70 11.66 11.74	12.45	14.77	13.62
		150°	16.40	11.57	17.37	17.56 17.57	18.96 18.96	17.85 17.97	11.74	12.49	14.79 14.85 14.90	13.63
		130° 120°	16.33	11.55 23.89	17.38 23.82	17.59 21.91	19.00 23.86	17.90 23.99	11.64 23.94	12.30 23.90	14.90 14.76 25.72	13.72
	Laptop	125"	23.82	23.85	23.92	21.81	23.92	23.84	23.98	23.82	25.76	23.66
		129° 128° 127°	23.81 23.97 23.88	23.83 23.82 23.82 23.88	17.37 23.81 23.90 23.97	21.98 21.83 21.86	23.93 23.82 23.99	23.93 23.94 23.87	11.72 23.93 23.87 23.99	23.82 23.96 23.91	14.72 25.72 25.85 25.89	23.83 24.00 23.83
		127"	23.88	23.88	23.97	21.86	23.99	23.87	23.99	23.91	25.89	23.63
Tell		125"	23.81	23.98	23.85	21.02	2190	24.00	23.97	23.96	25.87	23.99
	Laptop	115° 105°	23.83 23.86	23.95 23.83	23.93 23.91	21.93 21.95	24.00 23.89	23.98 23.82	23.94 23.99	23.99 23.87	25.72 25.80	21.95 21.87
		85'	23.84	23.88	23.99 23.87	21.84 21.97	21.65 21.95	23.90	23.87 23.85	23.84 23.86	25.85 25.74	23.84 23.99
		75'	23.92	23.97	23.91	21.98 21.91	2190 2196	23.93 23.86	23.89	24.00 23.91	25.75 25.77	23.92
		55°	24.00 23.96	23.85	23.84 23.98	21.04	23.86 23.98	23.83	23.09	23.92	25.77 25.79	23.90 23.97
		357	23.97	23.89	23.84	21.01	23.91	23.96	23.94	23.84	25.75	23.92
	Lid close	30"	n/a	n/a	n/a	93	n/a	n/a	n/a	n/a	n/a	n/a
	Lagrage	35°	n/a	n/a	23.98 n/a	21.89 n/s	23.86 n/s	23.91 n/a	23.90 n/a	23.88 n/a	25.82 n/a	23.91 n/a
		22°	n/a n/a	n/a n/a	n/a n/a	n/a n/a	nia nia	n/a n/a	n/a n/a	n/a n/a	n/a n/a	99
	Lid close	307	1/a 1/a	n/a	n/a	63	n/a	n/a	1/3	n/a	n/a	63
		10"	1/a 1/a	n/a	n/a	63	n/a	n/a	1/3	n/a	n/a	63
		200*	16.33	11.49	n/a 17.37	n/a 17.69	10.04	n/a 17.94	n/a 11.71	12.35	n/a 14.79	13.75
1	1	210° 220°	16.35 16.38	11.46	17.39 17.45 17.42	17.66 17.62	18.98	17.99 17.86	11.65 11.68	12.42	14.01 14.00	13.61
1	1	240"	16.24	11.43	17.45	17.50	10.04	17.85	11.76	12.41	14.74	13.78
1	Stand mode	250° 260°	16.32 16.32 16.38	11.45 11.57 11.52 11.50	17.50 17.37 17.48 17.34	17.65 17.50 17.66	18.90 18.85 18.82	17.84 18.00 17.82 17.81	11.62	12.36 12.45 12.35 12.32	14.85 14.80 14.77	13.61
1		280*	16.40	11.50	17.34	17.66		17.85	11.70 11.70 11.78	12.32	14.71	13.80 13.61 13.76 13.76 13.75
	1	300*	16.38	11.45	17.45	17.63	18.99 18.97	17.83 48.00	11.66	12.40 12.0	14.86	13.66
	1	320*	16.28	11.51	17.32	17.55	10.06	18.00 17.98	11.77	12.34	14.76	13.78
	Tablet	340*	16.21	11.43	17.36 17.34	17.68 17.58	10.03	10.00	11.61	12.34	14.75	12.67
	Stand mode	236° 217°	16.24 16.29 16.28	11.45 11.52 11.42	17.34 17.46 17.49	17.58 17.55 17.61	18.88 18.82 18.94	17.95 17.82 17.84	11.66 11.71 11.70	12.37 12.41 12.34	14.81 14.82 14.71	13.74 13.64 13.63
		330"		11.51	17.33	17.00	18.94 18.82 18.97	17.84 17.82 17.98			15.00	
		340° 341° 342°	16.29 16.33 16.21 16.28	11.48 11.54 11.56 11.47	17.37 17.36 17.32 17.42	17.53 17.53 17.54	18.97 18.99 18.81 18.87	17.96 17.96 17.81 17.93	11.66 11.72 11.71 11.67	12.44 12.41 12.37 12.45	14.79 14.90 14.87 14.74	13.69 13.79 13.64 13.77
	Tables	342°	16.28 16.26	11.47 11.56	17.42 17.38	17.54 17.53	10.87 10.87	17.98 17.95	11.67	12.45	14.74	13.77
	Tablet	345	16.26 16.29	11.52 11.50	17.45	17.67 17.58	10.01	17.92 17.94	11.73	12.46	14.74	13.79
	L	355°	16.29 16.31 16.37 16.39	11.50 11.48 11.49 11.57	17.42 17.37 17.45 17.38	17.55 17.55 17.54 17.62	18.81 18.82 18.88 19.00	17.94 17.85 17.81 17.90	11.64 11.62 11.71 11.79	12.50 12.33 12.36 12.40	14.90 14.83 14.82 14.76	13.79 13.70 13.77 13.77
	Tablet	350°	16.29 16.25	11.57 11.45	17.30 17.44	17.62 17.66 17.58	19.00	17.99 17.86 17.96	11.79	12.40	14.76	13.73
	Stand mode	330"	16.25 16.22 16.32	11.60	17.35	17.67	18.82 18.99 18.86	18.00	11.65	12.33 12.39 12.50	14.77 14.79 14.73	13.72 13.67 13.74
	Tablet	340° 339°	16.30 16.27	11.52 11.56	17.49 17.47	17.56 17.52	18.95	17.90 17.91	11.00	12.42	14.70 14.09	13.72 13.66
	1	238° 237°	16.27 16.34	11.45 11.55	17.41	17.69 17.67	18.84	17.84 17.92	11.70	12.32	14.84 14.80	13.73
	1	336°	16.38 16.22	11.46 11.42	17.39 17.43	17.67 17.56 17.56 17.60 17.57	18.82 18.90 18.94	17.82 17.83 17.95	11.63	12-40 12-37 12-36 12-40 12-40	14.80 14.77 14.78 14.88 14.72 14.79	13.74 13.77 13.65 13.62
	1	325° 315°	16.34 16.35	11.41 11.52	17.40 17.42	17.60 17.57	10.54 10.59 10.89	17.99 17.90	11.78	12.40	14.00 14.72	13.60
	1	305° 295°	16.38 16.37	11.50 11.49	17.47 17.31		18.89 18.93 18.81	18.00	11.67 11.80	12:31 12:35	14.79 14.00 14.75	13.61 13.64
	Stand mode	285° 275°	16.32 16.26	11.59 11.49	17.46 17.49	17.57 17.61	18.91	17.88 17.95 17.85	11.09	12.31	14.75	13.63
	1	265° 255° 245°	16.37 16.37 16.27	11.45 11.60 11.45	17.35 17.46 17.50	17.52 17.63 17.53	18.95 18.97 18.94	17.94 17.90 17.83	11.78 11.61 11.72	12.46 12.41	14.71 14.71 14.87	13.64 13.71 13.63
	1	245° 235°	16.27 16.37	11.45	17.50 17.40 17.43	17.53 17.61 17.56	10.04	17.83	11.72 11.77 11.76	12.41 12.38 12.47		13.63 13.77 13.78
	1	225° 215°	16.28 16.21	11.41 11.44 11.47 11.58 11.47	17.50	17.60	18.81 18.86 18.82	17.85	11.76	12.44	14.77 14.87 14.77	13.78 13.74
	1	205° 200°	16.23 16.34	11.58 11.47	17.35 17.46	17.56 17.55	18.96 18.94	17.89 17.81	11.71 11.76 11.73	12.49	14.77 14.90 14.82	13.62
		0"	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	1/a 1/a	n/a n/a	n/a n/a	0/3 0/3
	Lid close	20°	n/a p/a	n/a p/a	n/a p/a	n/a n/a	nia pie	n/a p/a	n/a n/a	n/a p/a	n/a n/a	n's
		30'	n/a p/a	nia nia	n/a n/a	93 93	nia nia	nia nia	n/a n/a	n/a p/a	n/a n/a	n's
	Lid close	32°	n/a p/a	n/a p/a	n/a g/a	n/a g/a	n/a p/a	n/a p/a	1/3 1/3	n/a p/a	n/a n/a	0/8 0/8
	Lidrinas	34"	n/a n/a	n/a n/a	n/a n/a	03 03	nia nia	nia nia	1/3 1/3	n/a p/a	n/a n/a	03 03
	Line Close	34"	1/3 1/3	n/a	n/a	63 63	nia nia	r/a r/a	n/3 n/3	1/3 1/3	n/a	69
1	1	32°	1/3 1/3	n/a	n/a	- 13 - 13	1/3	r/a	1/3	1/3 1/3	0/8	69
1	Lid close	30"	n/a n/a	n/a	n/a	n/s	n/a	n/a	n/a n/a	n/a	n/a	69
ĺ	1	10"	1/3 1/3	n/a n/a	n/a	93	n/a n/a	n/a	1/3 1/3	n/a	n/a n/a	93

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1.8 The SAR Measurement System

A block diagram of the SAR measurement System is given in Fig. a. This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY 5 professional system). The model EX3DV4 field probe is used to determine the internal electric fields. The SAR can be obtained from the equation SAR= σ ($|Ei|^2$)/ ρ where σ and ρ are the conductivity and mass density of the tissue-simulant.

The DASY 5 system for performing compliance tests consists of the following items:

- 1. A standard high precision 6-axis robot (Staubli RX family) with controller, teach pendant and software. An arm extension is for accommodating the data acquisition electronics (DAE).
- 2. A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage intissue simulating liquid. The probe is equipped with an optical surface detector system.
- 3. A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

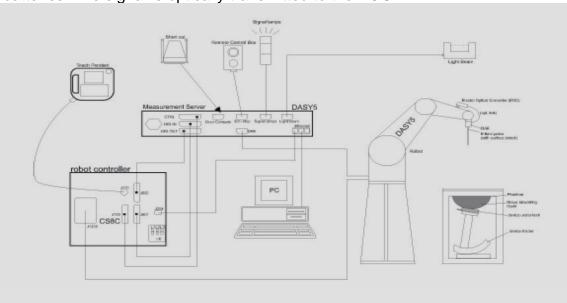


Fig. a The block diagram of SAR system

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- 4. The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to the DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.
- 5. The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- 6. A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- 7. A computer operating Windows 7.
- 8. DASY 5 software.
- 9. Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- 10. Tissue simulating liquid mixed according to the given recipes.
- 11. Validation dipole kits allowing to validate the proper functioning of the system.

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1.9 System Components

EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core
	Built-in shielding against static charges
	PEEK enclosure material (resistant to organic
	solvents, e.g., DGBE)
Calibration	Basic Broad Band Calibration in air Conversion
	Factors (CF) for HSL 750/835/1750/1900/2300/2600/3500/3700MHz
	Additional CF for other liquids and frequencies
	upon request
Frequency	10 MHz to > 6 GHz
Directivity	± 0.3 dB in HSL (rotation around probe axis)
	± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic	10 μ W/g to > 100 mW/g
Range	Linearity: ± 0.2 dB (noise: typically < 1 μW/g)
Dimensions	Tip diameter: 2.5 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g.,
	very strong gradient fields). Only probe which enables compliance testing
	for frequencies up to 6 GHz with precision of better 30%.

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PHANTOM

PHANTON	
Model	ELI
Construction	The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.
Shell Thickness	2 ± 0.2 mm
Filling Volume	Approx. 30 liters
Dimensions	Major axis: 600 mm
	Minor axis: 400 mm

DEVICE HOLDER

Construction	The device holder (Supporter) for Notebook is made by POM (polyoxymethylene resin) , which is non-metal and non-conductive. The height can be adjusted to fit varies kind of notebooks.	To J
		Device Holder

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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1.10 SAR System Verification

The microwave circuit arrangement for system verification is sketched in Fig. b. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values. These tests were done at 750/835/1750/1900/2300/2600/3500/3700MHz. The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed in the table 1 (SAR values are normalized to 1W forward power delivered to the dipole). During the tests, the liquid depth above the ear reference points was ≥ 15 cm ± 5 mm (frequency ≤ 3 GHz) or ≥ 10 cm ± 5 mm (frequency > 3 G Hz) in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.

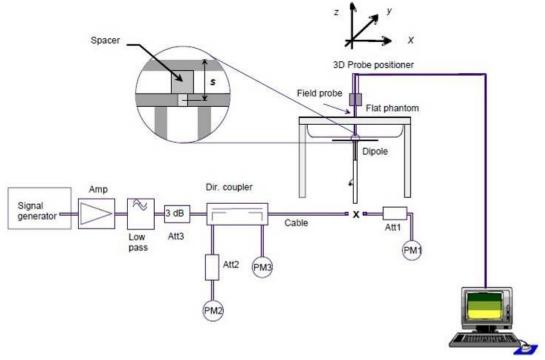


Fig. b The block diagram of system verification

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Tx5 antenna

Validation Kit	S/N		uency Hz)	1W Target SAR-1g (mW/g)	pin=250mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date
D750V3	1015	750 Head		8.48	2.14	8.56	0.94%	Oct. 04, 2020
D835V2	4d063	835	Head	9.52	2.45	9.80	2.94%	Oct. 05, 2020
D1750V2	1008	1750	Head	36.00	8.36	33.44	-7.11%	Oct. 06, 2020
D1900V2	5d173	1900 Head		Head 39.40 9.66		38.64	-1.93%	Oct. 07, 2020
D2300V2	1023	2300 Head		2300 Head 49.00 12.10		48.40	-1.22%	Oct. 08, 2020
D2600V2	1005	2600	Head	57.30	14.90	59.60 4.01%		Oct. 09, 2020

Tx8 antenna

Validation Kit	S/N	Frequency (MHz)				1W Target SAR-1g (mW/g)	pin=250mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date
D1750V2	1008	1750 Head		36.00	8.41	33.64	-6.56%	Oct. 12, 2020		
D1900V2	5d173	1900 Head		39.40	9.43 37.72		-4.26%	Oct. 13, 2020		
D2600V2	1005	2600	Head	57.30	14.70	58.80	2.62%	Oct. 14, 2020		
Validation Kit	S/N		uency Hz)	1W Target SAR-1g (mW/g)	pin=100mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date		
D3500V2	1009	3500 Head		67.60	6.66	66.60	-1.48%	Oct. 15, 2020		
D3700V2	1057	3700	Head	68.00	6.65	66.50	-2.21%	Oct. 16, 2020		

Table 1. Results of system verification

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1.11 Tissue Simulant Fluid for the Frequency Band

The dielectric properties for this Head-simulant fluid were measured by using the Agilent Model 85070E Dielectric Probe (rates frequency band 200 MHz to 20 GHz) in conjunction with Network Analyzer.

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within \pm 5% of the target values.

The depth of the tissue simulant in the flat section of the phantom was ≥ 15 cm ± 5 mm (Frequency $\leq 3G$) or ≥ 10 cm ± 5 mm (Frequency $\geq 3G$) during all tests. (Fig. 2)

Tx5 antenna

Head Total	Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant,	Target Conductivity, σ (S/m)	Measured Dielectric Constant,	Measured Conductivity, σ (S/m)	% dev ɛr	% dev σ
Page					, ,		, ,	4.000/	0.450/
Page									
Page									
Cct, 04. 2020									
Oct, 04. 2020 710.00									
Head T11.00		Oct, 04. 2020							
Head 750.00									
Head 782.00									
Head Page									
Head Region Regi									
Head Region Alicar Alic									
Head Regression									
Head Oct, 05. 2020 Oct, 06. 2020 Oct, 06. 2020 Oct, 07. 2020 Oct, 07. 2020 Oct, 08. 2020 Oct, 08. 2020 Oct, 08. 2020 Oct, 08. 2020 Oct, 09. 2020									
Head 834.00 41.505 0.900 42.083 0.920 1.39% 2.23% 835.00 41.500 0.900 41.993 0.925 1.19% 2.78% 836.50 41.500 0.902 41.888 0.928 0.93% 2.93% 841.50 41.500 0.907 41.684 0.936 0.44% 3.20% 844.00 41.500 0.910 41.644 0.943 0.35% 3.66% 846.60 41.500 0.912 41.546 0.954 0.11% 4.55% 1720.00 40.138 1.349 41.133 1.313 2.48% -2.69% 1720.00 40.126 1.354 41.018 1.321 2.22% -2.41% 1732.40 40.107 1.361 40.899 1.338 1.98% -1.17% 1752.50 40.107 1.361 40.893 1.352 1.92% -1.17% 1752.00 40.075 1.373 40.683 1.394 -0.68% -0.51% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Head Oct, 05. 2020 835.00 41.500 0.900 41.993 0.925 1.19% 2.78% 836.50 41.500 0.902 41.888 0.928 0.93% 2.93% 839.00 41.500 0.904 41.767 0.933 0.64% 3.17% 844.00 41.500 0.910 41.684 0.936 0.44% 3.20% 846.60 41.500 0.912 41.546 0.954 0.11% 4.55% 846.60 41.500 0.912 41.546 0.954 0.11% 4.55% 1732.00 40.138 1.349 41.133 1.313 2.48% -2.61% 1732.40 40.107 1.361 40.863 1.345 1.89% -1.17% 1732.50 40.107 1.361 40.863 1.345 1.89% -1.17% 1745.00 40.075 1.373 40.085 1.352 1.92% -1.18% 1750.00 40.075 1.373 40.003 1.380 -0.18%									
Head B36.50									
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Head Oct, 06. 2020 Read									
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Head Oct, 06. 2020 Head Oct, 06. 2020 Oct, 07. 2020 Oct, 07. 2020 Oct, 08. 2020 Oct, 09.									
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Head Oct, 06. 2020 1732.50									
Head Oct, 06. 2020			1732.40	40.107	1.361	40.899	1.338	1.98%	-1.68%
1745.00 40.087 1.368 40.858 1.352 1.92% -1.18% 1.750.00 40.079 1.371 40.100 1.378 0.05% 0.51% 1.750.00 40.079 1.371 40.100 1.378 0.05% 0.51% 1.750.00 40.075 1.373 40.003 1.380 -0.18% 0.54% 1.770.00 40.047 1.383 39.808 1.390 -0.66% 0.53% 1852.40 40.000 1.400 39.778 1.393 -0.56% -0.50% 1860.00 40.000 1.400 39.778 1.393 -0.56% -0.50% 1860.00 40.000 1.400 39.568 1.403 1.08% 0.21% 1882.50 40.000 1.400 39.568 1.403 1.08% 0.21% 1900.00 40.000 1.400 39.553 1.406 -1.12% 0.43% 1900.00 40.000 1.400 39.553 1.406 -1.12% 0.63% 1900.00 40.000 1.400 39.195 1.428 -2.01% 2.00% 1907.60 40.000 1.400 39.195 1.428 -2.01% 2.00% 1907.60 40.000 1.400 39.195 1.428 -2.01% 2.00% 2310.00 39.449 1.676 38.872 1.665 1.30% -0.12% 2506.00 39.129 1.861 38.599 1.814 -1.35% -2.53% 2510.00 39.494 1.865 38.599 1.814 -1.35% -2.53% 2510.00 39.129 1.891 38.497 1.851 1.52% -2.20% 2549.50 39.073 1.909 38.471 1.877 -1.54% -1.65% 2549.50 39.073 1.909 38.471 1.877 -1.54% -1.65% 2560.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.135 1.1917 -2.26% -2.10% 2600.00 39.099 1.964 38.110 1.918 2.30% -2.33% 2610.00 38.996 1.975 38.050 1.932 2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%	Head	Oct. 06, 2020	1732.50	40.107	1.361	40.863	1.345	1.89%	-1.17%
1752.60 40.075 1.373 40.003 1.380 -0.18% 0.54% 1770.00 40.047 1.383 39.808 1.390 -0.60% 0.53% 1852.40 40.000 1.400 39.778 1.393 -0.56% -0.50% 1860.00 40.000 1.400 39.719 1.394 -0.70% -0.43% 1880.00 40.000 1.400 39.519 1.394 -0.70% -0.43% 1880.00 40.000 1.400 39.568 1.403 -1.08% 0.21% 1890.00 40.000 1.400 39.568 1.403 -1.08% 0.21% 1900.00 40.000 1.400 39.433 1.409 1.42% 0.64% 1905.00 40.000 1.400 39.433 1.409 1.42% 0.64% 1907.60 40.000 1.400 39.153 1.437 -2.12% 2.64% 2300.00 39.467 1.667 39.955 1.665 1.30% -0.12% 2.50% 0.39.49 1.676 38.872 1.687 -1.46% 0.66% 2500.00 39.129 1.861 38.599 1.814 -1.35% -2.53% 2510.00 39.129 1.861 38.599 1.814 -1.35% -2.53% 2553.00 39.092 1.893 38.497 1.851 -1.52% -2.20% 2549.50 39.073 1.909 38.471 1.877 -1.54% -1.65% 2560.00 39.060 1.920 38.335 1.885 1.866 1.82% -2.25% -2.20% 2593.00 39.018 1.956 38.141 1.909 -2.25% -2.20% 2593.00 39.018 1.956 38.141 1.909 -2.25% -2.20% 2595.00 39.015 1.958 38.141 1.909 -2.25% -2.40% 2600.00 39.909 1.964 38.110 1.918 2.30% -2.25% 2600.00 39.009 1.964 38.110 1.918 2.30% -2.25% -2.40% 2600.00 39.909 1.964 38.110 1.918 2.30% -2.25% -2.10% 2600.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%	Head								
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Oct, 07. 2020 1860.00 40.000 1.400 39.719 1.394 -0.70% -0.43% 1880.00 40.000 1.400 39.568 1.403 -1.08% 0.21% 1882.50 40.000 1.400 39.553 1.406 -1.12% 0.43% 1905.00 40.000 1.400 39.153 1.409 -1.42% 0.64% 1907.60 40.000 1.400 39.153 1.437 -2.12% 2.64% Oct, 08. 2020 2300.00 39.467 1.667 38.955 1.665 -1.30% -0.12% 2506.00 39.129 1.861 38.599 1.814 -1.35% -2.53% 2506.00 39.124 1.865 38.599 1.814 -1.35% -2.24% 2535.00 39.073 1.909 38.471 1.877 -1.54% -1.65% 2560.00 39.080 1.920 38.335 1.885 -1.86% -1.82% 2549.50 39.073 1.909 38.471 1.877 <td></td> <td></td> <td>1770.00</td> <td>40.047</td> <td>1.383</td> <td>39.808</td> <td>1.390</td> <td>-0.60%</td> <td>0.53%</td>			1770.00	40.047	1.383	39.808	1.390	-0.60%	0.53%
Oct, 07. 2020 1880.00			1852.40	40.000	1.400	39.778	1.393	-0.56%	-0.50%
Oct, 07. 2020 1882.50			1860.00	40.000	1.400	39.719	1.394	-0.70%	-0.43%
1900.00 40.000 1.400 39.433 1.409 -1.42% 0.64% 1905.00 40.000 1.400 39.195 1.428 -2.01% 2.00% 1907.60 40.000 1.400 39.153 1.437 -2.12% 2.64% 2300.00 39.467 1.667 38.955 1.665 -1.30% -0.12% 2310.00 39.449 1.676 38.955 1.6665 -1.30% -0.12% 2506.00 39.129 1.861 38.872 1.687 -1.46% 0.66% 2506.00 39.124 1.865 38.596 1.820 1.35% -2.44% 2535.00 39.092 1.893 38.497 1.851 -1.52% -2.20% 2549.50 39.073 1.909 38.471 1.877 -1.54% -1.65% 2560.00 39.060 1.920 38.335 1.885 1.86% -1.86% -1.82% 2593.00 39.018 1.956 38.141 1.909 -2.25% -2.20% 2593.00 39.018 1.956 38.141 1.909 -2.25% -2.20% 2595.00 39.015 1.958 38.141 1.909 -2.25% -2.40% 2595.00 39.003 39.099 1.964 38.110 1.918 2.30% -2.32% 2601.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%			1880.00	40.000	1.400	39.568	1.403	-1.08%	0.21%
1905.00 40.000 1.400 39.195 1.428 -2.01% 2.00% 1907.60 40.000 1.400 39.153 1.437 -2.12% 2.64% 2.64% 2300.00 39.467 1.667 38.955 1.665 1.30% -0.12% 2506.00 39.129 1.861 38.599 1.814 -1.35% -2.53% 2510.00 39.424 1.865 38.599 1.814 -1.35% -2.53% 2510.00 39.129 1.8861 38.599 1.814 -1.35% -2.53% 2510.00 39.129 1.8861 38.599 1.820 1.35% -2.53% 2510.00 39.092 1.893 38.497 1.851 1.520 -1.35% -2.44% 2535.00 39.092 1.893 38.497 1.851 1.52% -2.20% 2549.50 39.073 1.909 38.471 1.877 -1.54% -1.65% 2560.00 39.060 1.920 38.335 1.885 1.86% 1.82% 2580.00 39.035 1.942 38.239 1.892 -2.04% -2.57% 2595.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.145 1.909 -2.25% -2.40% 2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%		Oct, 07. 2020	1882.50	40.000	1.400	39.553	1.406	-1.12%	0.43%
Oct, 08. 2020 1907.60 40.000 1.400 39.153 1.437 -2.12% 2.64%			1900.00	40.000	1.400	39.433	1.409	-1.42%	0.64%
Oct, 08. 2020			1905.00	40.000	1.400	39.195	1.428	-2.01%	2.00%
Oct, 08. 2020 2310.00 39.449 1.676 38.872 1.687 1.46% 0.66% 2506.00 39.129 1.861 38.599 1.814 -1.35% -2.53% 2510.00 39.124 1.865 38.596 1.820 -1.35% -2.44% 2535.00 39.092 1.893 38.497 1.851 -1.52% -2.20% 2549.50 39.073 1.909 38.471 1.877 -1.54% -1.65% 2560.00 39.060 1.920 38.335 1.885 -1.86% -1.82% 2580.00 39.035 1.942 38.239 1.892 -2.04% -2.57% 2593.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.135 1.917 -2.26% -2.40% 2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%			1907.60	40.000	1.400	39.153	1.437	-2.12%	2.64%
Oct, 09. 2020 Cot, 09. 2020		Oct 08 2020	2300.00	39.467		38.955		-1.30%	-0.12%
Oct, 09. 2020 2510.00 39.124 1.865 38.596 1.820 -1.35% -2.44% 2535.00 39.092 1.893 38.497 1.851 -1.52% -2.20% 2549.50 39.073 1.909 38.471 1.877 -1.54% -1.65% 2560.00 39.060 1.920 38.335 1.885 -1.86% -1.82% 2593.00 39.018 1.942 38.239 1.892 -2.04% -2.57% 2595.00 39.015 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.135 1.917 -2.26% -2.10% 2600.00 39.099 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%		001, 00. 2020	2310.00	39.449	1.676	38.872	1.687	-1.46%	0.66%
Oct, 09. 2020 2535.00 39.092 1.893 38.497 1.851 -1.52% -2.20% 2549.50 39.073 1.909 38.471 1.877 -1.54% -1.65% 2560.00 39.060 1.920 38.335 1.885 -1.86% -1.82% 2580.00 39.035 1.942 38.239 1.892 -2.04% -2.57% 2593.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.135 1.917 -2.26% -2.10% 2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%			2506.00	39.129	1.861	38.599	1.814	-1.35%	-2.53%
Oct, 09. 2020 2549.50 39.073 1.909 38.471 1.877 -1.54% -1.65% 2560.00 39.060 1.920 38.335 1.885 -1.86% -1.82% 2580.00 39.035 1.942 38.239 1.892 -2.04% -2.57% 2593.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.135 1.917 -2.26% -2.10% 2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%			2510.00	39.124	1.865	38.596	1.820	-1.35%	-2.44%
Oct, 09. 2020 2560.00 39.060 1.920 38.335 1.885 -1.86% -1.82% 2580.00 39.035 1.942 38.239 1.892 -2.04% -2.57% 2593.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.135 1.917 -2.26% -2.10% 2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%			2535.00	39.092	1.893	38.497	1.851	-1.52%	-2.20%
Oct, 09. 2020 2580.00 39.035 1.942 38.239 1.892 -2.04% -2.57% 2593.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.135 1.917 -2.26% -2.10% 2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%			2549.50	39.073	1.909	38.471	1.877	-1.54%	-1.65%
2593.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.135 1.917 -2.26% -2.10% 2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%			2560.00	39.060	1.920	38.335	1.885	-1.86%	-1.82%
2593.00 39.018 1.956 38.141 1.909 -2.25% -2.40% 2595.00 39.015 1.958 38.135 1.917 -2.26% -2.10% 2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%		0-4 00 0000	2580.00	39.035	1.942	38.239	1.892	-2.04%	-2.57%
2595.00 39.015 1.958 38.135 1.917 -2.26% -2.10% 2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%		Oct, 09. 2020	2593.00		1.956	38.141	1.909	-2.25%	-2.40%
2600.00 39.009 1.964 38.110 1.918 -2.30% -2.32% 2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%			2595.00		1.958	38.135	1.917		-2.10%
2610.00 38.996 1.975 38.050 1.932 -2.43% -2.15% 2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%									
2636.50 38.963 2.003 38.030 1.989 -2.39% -0.72%									
			2680.00	38.907	2.051	37.999	2.060	-2.33%	0.44%

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Tx8 antenna

Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ
		1720.00	40.126	1.354	41.128	1.346	2.50%	-0.57%
	Oct. 12, 2020	1745.00	40.087	1.368	40.893	1.379	2.01%	0.79%
	Oct, 12. 2020	1750.00	40.079	1.371	40.220	1.402	0.35%	2.26%
		1770.00	40.047	1.383	39.948	1.413	-0.25%	2.20%
		1860.00	40.000	1.400	39.719	1.416	-0.70%	1.14%
	Oct, 13. 2020	1880.00	40.000	1.400	39.663	1.426	-0.84%	1.86%
		1900.00	40.000	1.400	39.523	1.437	-1.19%	2.64%
		2510.00	39.124	1.865	38.606	1.851	-1.32%	-0.77%
	Oct, 14. 2020	2535.00	39.092	1.893	38.587	1.875	-1.29%	-0.94%
		2546.01	39.078	1.905	38.451	1.897	-1.60%	-0.41%
Head		2560.00	39.060	1.920	38.366	1.903	-1.78%	-0.89%
пеац		2592.99	39.018	1.956	38.241	1.932	-1.99%	-1.23%
		2600.00	39.009	1.964	38.210	1.945	-2.05%	-0.95%
		2640.00	38.958	2.007	38.180	2.003	-2.00%	-0.21%
		3500.00	37.929	2.913	37.766	2.896	-0.43%	-0.57%
	Oct. 15, 2020	3560.00	37.860	2.974	37.731	2.995	-0.34%	0.71%
	Oct, 15. 2020	3575.00	37.843	2.989	37.698	3.001	-0.38%	0.39%
		3590.00	37.826	3.005	37.642	3.007	-0.49%	0.07%
		3603.30	37.811	3.018	37.570	3.015	-0.64%	-0.11%
	Oct. 16, 2020	3646.70	37.761	3.063	37.523	3.051	-0.63%	-0.39%
	OCI, 10. 2020	3690.00	37.711	3.107	37.522	3.055	-0.50%	-1.68%
		3700.00	37.700	3.118	37.430	3.111	-0.72%	-0.21%

Table 2. Dielectric Parameters of Tissue Simulant Fluid

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The composition of the head tissue simulating liquid:

_			Ingredient									
Frequency (MHz)	Mode	DGMBE	Water	Salt	Preventol D-7	Cellulose	Sugar	Total amount				
750	Head	_	532.98 g	18.3 g	2.4 g	3.2 g	766 g	1.3L(Kg)				
850	Head	_	532.98 g	18.3 g	2.4 g	3.2 g	766 g	1.3L(Kg)				
1750	Head	444.52 g	552.42 g	3.06 g	_	_	_	1.0L(Kg)				
1900	Head	444.52 g	552.42 g	3.06 g	_	_	_	1.0L(Kg)				
2300	Head	550ml	450ml	_	_	_	_	1.0L(Kg)				
2600	Head	550ml	450ml	_	_	_	_	1.0L(Kg)				
3500	Head	550ml	450ml	_	_	_	_	1.0L(Kg)				
3700	Head	550ml	450ml	_	_	_	_	1.0L(Kg)				

Table 3. Recipes for Tissue Simulating Liquid

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1.12 Evaluation Procedures

The entire evaluation of the spatial peak values is performed within the Post-processing engine (SEMCAD). The system always gives the maximum values for the 1 g and 10 g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- 1. The extraction of the measured data (grid and values) from the Zoom Scan.
- 2. The calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- 3. The generation of a high-resolution mesh within the measured volume
- 4. The interpolation of all measured values from the measurement grid to the high-resolution grid
- 5. The extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- 6. The calculation of the averaged SAR within masses of 1g and 10g.

The probe is calibrated at the center of the dipole sensors that is located 1 to 2.7mm away from the probe tip. During measurements, the probe stops shortly above the phantom surface, depending on the probe and the surface detecting system. Both distances are included as parameters in the probe configuration file. The software always knows exactly how far away the measured point is from the surface. As the probe cannot directly measure at the surface, the values between the deepest measured point and the surface must be extrapolated. The angle between the probe axis and the surface normal line is less than 30 degree.

In the Area Scan, the gradient of the interpolation function is evaluated to find all the extreme of the SAR distribution. The uncertainty on the locations of the extreme is less than 1/20 of the grid size. Only local maximum within –2 dB of the global maximum are searched and passed for the Cube Scan measurement. In the Cube Scan, the interpolation function is used to extrapolate the Peak SAR from the lowest measurement points to the inner phantom surface (the extrapolation distance). The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5mm.

The maximum search is automatically performed after each area scan measurement. It is based on splines in two or three dimensions. The procedure can find the maximum for most SAR distributions even with relatively large grid spacing. After the area scanning measurement, the probe is automatically moved to a position at the interpolated maximum. The following scan can directly use this position for reference, e.g., for a finer resolution grid or the cube evaluations. The 1g and 10g peak evaluations are only available for the predefined cube 7x7x7 scans. The routines are verified and optimized for the grid dimensions used in these cube measurements.

The measured volume of 30x30x30mm contains about 30g of tissue.

The first procedure is an extrapolation (incl. Boundary correction) to get the points

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between the lowest measured plane and the surface. The next step uses 3D interpolation to get all points within the measured volume. In the last step, a 1g cube is placed numerically into the volume and its averaged SAR is calculated. This cube is the moved around until the highest averaged SAR is found. If the highest SAR is found at the edge of the measured volume, the system will issue a warning: higher SAR values might be found outside of the measured volume. In that case the cube measurement can be repeated, using the new interpolated maximum as the center.

1.13 Probe Calibration Procedures

For the calibration of E-field probes in lossy liquids, an electric field with an accurately known field strength must be produced within the measured liquid. For standardization purposes it would be desirable if all measurements which are necessary to assess the correct field strength would be traceable to standardized measurement procedures. In the following two different calibration techniques are summarized:

1.13.1 Transfer Calibration with Temperature Probes

In lossy liquids the specific absorption rate (SAR) is related both to the electric field (E) and the temperature gradient ($\delta T / \delta t$) in the liquid.

$$SAR = \frac{\sigma}{\rho} |E|^2 = c \frac{\delta T}{\delta t}$$

whereby σ is the conductivity, ρ the density and c the heat capacity of the liquid.

Hence, the electric field in lossy liquid can be measured indirectly by measuring the temperature gradient in the liquid. Non-disturbing temperature probes (optical probes or thermistor probes with resistive lines) with high spatial resolution (<1-2 mm) and fast reaction time (<1 s) are available and can be easily calibrated with high precision [1]. The setup and the exciting source have no influence on the calibration; only the relative positioning uncertainties of the standard temperature probe and the E-field probe to be calibrated must be considered. However, several problems limit the available accuracy of probe calibrations with temperature probes:

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1. The temperature gradient is not directly measurable but must be evaluated from temperature measurements at different time steps. Special precaution is necessary to avoid measurement errors caused by temperature gradients due to energy equalizing effects or convection currents in the liquid. Such effects cannot be completely avoided, as the measured field itself destroys the thermal equilibrium in the liquid. With a careful setup these errors can be kept small.

- 2. The measured volume around the temperature probe is not well defined. It is difficult to calculate the energy transfer from a surrounding gradient temperature field into the probe. These effects must be considered, since temperature probes are calibrated in liquid with homogeneous temperatures. There is no traceable standard for temperature rise measurements.
- 3. The calibration depends on the assessment of the specific density, the heat capacity and the conductivity of the medium. While the specific density and heat capacity can be measured accurately with standardized procedures (~ 2% for c; much better for ρ), there is no standard for the measurement of the conductivity. Depending on the method and liquid, the error can well exceed ±5%.
- 4. Temperature rise measurements are not very sensitive and therefore are often performed at a higher power level than the E-field measurements. The nonlinearities in the system (e.g., power measurements, different components, etc.) must be considered.

Considering these problems, the possible accuracy of the calibration of E-field probes with temperature gradient measurements in a carefully designed setup is about ±10% (RSS) [2]. Recently, a setup which is a combination of the waveguide techniques and the thermal measurements was presented in [3]. The estimated uncertainty of the setup is ±5% (RSS) when the same liquid is used for the calibration and for actual measurements and ±7-9% (RSS) when not, which is in good agreement with the estimates given in [2].

1.13.2 Calibration with Analytical Fields

In this method a technical setup is used in which the field can be calculated analytically from measurements of other physical magnitudes (e.g., input power). This corresponds to the standard field method for probe calibration in air; however, there is no standard defined for fields in lossy liquids. When using calculated fields in lossy liquids for probe calibration, several points must be considered in the assessment of the uncertainty:

- 1. The setup must enable accurate determination of the incident power.
- 2. The accuracy of the calculated field strength will depend on the assessment of the dielectric parameters of the liquid.

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3. Due to the small wavelength in liquids with high permittivity, even small setups might be above the resonant cutoff frequencies. The field distribution in the setup must be carefully checked for conformity with the theoretical field distribution.

References

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- K. Jokela, P. Hyysalo, and L. Puranen, \Calibration of specific absorption rate (SAR) probes in waveguide at 900 MHz", IEEE Transactions on Instrumentation and Measurements, vol. 47, no. 2, pp. 432{438, Apr. 1998.

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1.14 Test Standards and Limits

According to FCC 47CFR §2.1093(d) The limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate ("SAR") in Section 4.2 of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE C95.1, By the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radio frequency Electromagnetic Fields," NCRP Report No. 86, Section 17.4.5. Copyright NCRP, 1986, Bethesda, Maryland 20814. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards. The criteria to be used are specified in paragraphs (d)(1) and (d)(2) of this section and shall apply for portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz are to be evaluated in terms of the MPE limits specified in § 1.1310 of this chapter. Measurements and calculations to demonstrate compliance with MPE field strength or power density limits for devices operating above 6 GHz should be made at a minimum distance of 5 cm from the radiating source.

- Limits for Occupational/Controlled exposure: 0.4 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 8 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 20 W/kg, as averaged over an 10 grams of tissue (defined as a tissue volume in the shape of a cube).
- 2. Occupational/Controlled limits apply when persons are exposed as a consequence of their employment provided these persons are fully aware of and exercise control over their exposure. Awareness of exposure can be accomplished by use of warning labels or by specific training or education through appropriate means, such as an RF safety program in a work environment.
- 3. Limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 1.6 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10 grams of

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tissue (defined as a tissue volume in the shape of a cube). General Population/Uncontrolled limits apply when the general public may be exposed, or when persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or do not exercise control over their exposure. Warning labels placed on consumer devices such as cellular telephones will not be sufficient reason to allow these devices to be evaluated subject to limits for occupational/controlled exposure in paragraph (d)(1) of this section. (Table 4.)

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR (Brain)	1.60 W/Kg	8.00 W/Kg
Spatial Average SAR (Whole Body)	0.08 W/Kg	0.40 W/Kg
Spatial Peak SAR (Hands/Feet/Ankle/Wrist)	4.00 W/Kg	20.00 W/Kg

Table 4. RF exposure limits

Notes:

- 1. Uncontrolled environments are defined as locations where there is potential exposure of individuals who have no knowledge or control of their potential exposure.
- Controlled environments are defined as locations where there is potential exposure of individuals who have knowledge of their potential exposure and can exercise control over their exposure.

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2. Summary of Results

2.1 Decision rules

Reported measurement data comply with IEEE 1528-2013:

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.2 Summary of Results

Tablet mode

Tx5-WCDMA Band II / Band IV / Band V

Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power	Scaling	Averaged 1 (W/	g kg)	Plot page
					, ,	(dBm)		Measured	Reported	
	Top side	0	9400	1880	15.2	15.16	100.93%	0.138	0.139	-
	Back side	0	9662	1852.4	15.2	15.11	102.09%	1.080	1.103	-
WCDMA Band II	Back side	0	9400	1880	15.2	15.16	100.93%	1.130	1.140	190
WODINA Band II	Back side*	0	9400	1880	15.2	15.16	100.93%	1.121	1.131	-
	Back side	0	9538	1907.6	15.2	15.09	102.57%	1.010	1.036	-
	Left side	0	9400	1880	15.2	15.16	100.93%	0.470	0.474	-
	Top side	0	1312	1712.4	16.2	16.15	101.16%	0.101	0.102	-
	Back side	0	1312	1712.4	16.2	16.15	101.16%	1.090	1.103	191
WCDMA Band IV	Back side*	0	1312	1712.4	16.2	16.15	101.16%	1.060	1.072	-
WCDIVIA Band IV	Back side	0	1412	1732.4	16.2	16.11	102.09%	1.010	1.031	-
	Back side	0	1513	1752.6	16.2	16.08	102.80%	0.989	1.017	-
	Left side	0	1312	1712.4	16.2	16.15	101.16%	0.616	0.623	-
	Top side	0	4132	826.4	21.3	21.24	101.39%	0.112	0.114	-
	Back side	0	4132	826.4	21.3	21.24	101.39%	1.100	1.115	192
	Back side*	0	4132	826.4	21.3	21.24	101.39%	1.070	1.085	-
MODMA Dand M	Back side	0	4183	836.6	21.3	21.21	102.09%	1.040	1.062	-
WCDMA Band V	Back side	0	4233	846.6	21.3	21.18	102.80%	1.020	1.049	-
	Left side	0	4132	826.4	21.3	21.24	101.39%	0.942	0.955	-
	Left side	0	4183	836.6	21.3	21.21	102.09%	0.925	0.944	-
	Left side	0	4233	846.6	21.3	21.18	102.80%	0.912	0.938	-

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx5-LTE FDD Band 2 / Band 4 / Band 5

												1		
Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged S (W/		Plot page
									Tolerance (abiii)	(dDIII)		Measured	Reported	
					Top side	0	18900	1880	16.3	16.28	100.46%	0.149	0.150	-
				0	Back side	0	18900	1880	16.3	16.28	100.46%	1.140	1.145	193
			1 RB	U	Back side*	0	18900	1880	16.3	16.28	100.46%	1.010	1.015	-
			I KB		Left side	0	18900	1880	16.3	16.28	100.46%	0.589	0.592	-
				99	Back side	0	18700	1860	16.3	16.13	103.99%	1.030	1.071	-
				33	Back side	0	19100	1900	16.3	16.07	105.44%	0.964	1.016	-
				Top side	0	18900	1880	16.3	16.24	101.39%	0.137	0.139	-	
LTE Band 2	20MHz	QPSK	50 DD	50	Back side	0	18700	1860	16.3	16.05	105.93%	0.946	1.002	-
Danu 2			50 RB	50	Back side	0	18900	1880	16.3	16.24	101.39%	0.997	1.011	-
					Back side	0	19100 18900	1900	16.3 16.3	16.10 16.24	104.71%	0.963	1.008 0.570	-
			-		Left side Top side	0	18700	1880 1860	16.3	16.02	101.39% 106.66%	0.562 0.133	0.570	-
					Back side	0	18700	1860	16.3	16.02	106.66%	0.133	1.043	-
			100) RB	Back side	0	18900	1880	16.3	15.98	107.65%	0.963	1.037	-
				, , , ,	Back side	0	19100	1900	16.3	16.03	106.41%	0.948	1.009	-
					Left side	0	18700	1860	16.3	16.02	106.66%	0.541	0.577	-
					Top side	0	20300	1745	16.8	16.77	100.69%	0.131	0.132	-
					Back side	0	20050	1720	16.8	16.76	100.93%	1.080	1.090	-
			1 RB	0	Back side	0	20175	1732.5	16.8	16.72	101.86%	1.040	1.059	-
			I KB	0	Back side	0	20300	1745	16.8	16.77	100.69%	1.120	1.128	194
					Back side*	0	20300	1745	16.8	16.77	100.69%	1.000	1.007	-
				05	Left side	0	20300	1745	16.8	16.77	100.69%	0.653	0.658	-
			50 RB	25	Back side	0	20050	1720	16.8	16.64	103.75%	0.915	0.949	-
LTE Daniel 4	20MHz	QPSK			Top side	0	20175	1732.5	16.8	16.69	102.57%	0.124	0.127	-
Band 4			50 RB	49	Back side	0	20175	1732.5	16.8	16.69	102.57%	0.921	0.945	
					Back side	0	20300	1745 1732.5	16.8	16.63	103.99%	0.897	0.933	-
			-	<u> </u>	Left side Top side	0	20175 20050	1732.5	16.8 16.8	16.69 16.67	102.57% 103.04%	0.633 0.112	0.649 0.115	-
					Back side	0	20050	1720	16.8	16.67	103.04%	0.112	0.113	-
			100	RB	Back side	0	20175	1732.5	16.8	16.57	105.44%	0.886	0.934	-
				, , , ,	Back side	0	20300	1745	16.8	16.63	103.99%	0.856	0.890	-
					Left side	0	20050	1720	16.8	16.67	103.04%	0.621	0.640	-
					Top side	0	20450	829	21.7	21.65	101.16%	0.135	0.137	-
					Back side	0	20450	829	21.7	21.65	101.16%	1.080	1.093	195
					Back side*	0	20450	829	21.7	21.65	101.16%	0.976	0.987	-
			1 RB	0	Back side	0	20525	836.5	21.7	21.62	101.86%	1.061	1.081	-
			1110		Back side	0	20600	844	21.7	21.59	102.57%	1.032	1.058	-
					Left side	0	20450	829	21.7	21.65	101.16%	0.912	0.923	-
					Left side	0	20525	836.5	21.7	21.62	101.86%	0.876	0.892	-
					Left side	0	20600	844	21.7	21.59	102.57%	0.863	0.885	-
					Top side	0	20600	844	21.7	21.58	102.80%	0.129	0.133	-
					Back side Back side	0	20450 20525	829 836.5	21.7 21.7	21.49 21.56	104.95% 103.28%	0.864 0.887	0.907 0.916	-
LTE Band 5	10MHz	QPSK	25 RB	12	Back side	0	20600	844	21.7	21.58	103.26%	1.010	1.038	-
Danas			2010	12	Left side	0	20450	829	21.7	21.49	104.95%	0.857	0.899	-
					Left side	0	20525	836.5	21.7	21.56	103.28%	0.863	0.891	-
					Left side	0	20600	844	21.7	21.58	102.80%	0.876	0.901	-
					Top side	0	20600	844	21.7	21.57	103.04%	0.121	0.125	-
					Back side	0	20450	829	21.7	21.41	106.91%	0.976	1.043	-
					Back side	0	20525	836.5	21.7	21.49	104.95%	0.994	1.043	-
			50	RB	Back side	0	20600	844	21.7	21.57	103.04%	1.020	1.051	-
			H UC	50 RB	Left side	0	20450	829	21.7	21.41	106.91%	0.779	0.833	-
					Left side	0	20525	836.5	21.7	21.49	104.95%	0.791	0.830	-
			L		Left side	0	20600	844	21.7	21.57	103.04%	0.811	0.836	-
CA_5B	10MHz	QPSK	1RB	0	Back side	0	20450	829	21.7	21.61	102.09%	0.976	0.996	-

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx5-LTE FDD Band 7 / Band 12 / Band 13

IVA	.	<u> </u>		' '	Danu	210	anu	וט						
Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Scaling	Averaged S (W/		Plot page
	, ,					, ,		, ,	Tolerance (dBm)	(dBm)		Measured	Reported	1
					Top side	0	21100	2535	14.5	14.48	100.46%	0.069	0.069	-
					Back side	0	20850	2510	14.5	14.44	101.39%	1.040	1.054	-
				_	Back side	0	21100	2535	14.5	14.48	100.46%	1.100	1.105	196
			1 RB	0	Back side*	0	21100	2535	14.5	14.48	100.46%	0.989	0.994	-
					Back side	0	21350	2560	14.5	14.40	102.33%	1.010	1.034	-
					Left side	0	21100	2535	14.5	14.48	100.46%	0.319	0.320	-
					Top side	0	20850	2510	14.5	14.36	103.28%	0.062	0.064	-
LTE				Back side	0	20850	2510	14.5	14.36	103.28%	0.965	0.997	_	
Band 7	20MHz	QPSK	50 RB	49	Back side	0	21100	2535	14.5	14.29	104.95%	0.948	0.995	-
Dana i			50 KB	43	Back side	0	21350	2560	14.5	14.30	104.71%	0.942	0.986	-
					Left side	0	20850	2510	14.5	14.36	103.28%	0.298	0.308	Ė
					Top side	0	21350	2560	14.5	14.35	103.26%	0.298	0.061	-
					Back side	0	20850	2510	14.5	14.33	105.20%	0.039	0.960	-
			100	DD										
			100	KD	Back side	0	21100	2535	14.5	14.21	106.91%	0.922	0.986	-
					Back side	0	21350	2560	14.5	14.35	103.51%	0.941	0.974	-
		0.0017	455	_	Left side	0	21350	2560	14.5	14.35	103.51%	0.283	0.293	-
CA_7C	20MHz	QPSK	1RB	0	Back side	0	20850	2510	14.5	14.41	102.09%	1.010	1.031	-
					Top side	0	23095	707.5	20.2	20.18	100.46%	0.115	0.116	-
					Back side	0	23060	704	20.2	20.16	100.93%	1.100	1.110	-
					Back side	0	23095	707.5	20.2	20.18	100.46%	1.120	1.125	197
			1 RB	0	Back side*	0	23095	707.5	20.2	20.18	100.46%	1.070	1.075	-
				0	Back side	0	23130	711	20.2	20.14	101.39%	1.080	1.095	-
					Left side	0	23060	704	20.2	20.16	100.93%	0.886	0.894	-
					Left side	0	23095	707.5	20.2	20.18	100.46%	0.978	0.983	-
					Left side	0	23130	711	20.2	20.14	101.39%	0.943	0.956	-
					Top side	0	23060	704	20.2	20.13	101.62%	0.106	0.108	-
					Back side	0	23060	704	20.2	20.13	101.62%	1.040	1.057	-
LTE	10MHz	QPSK		12	Back side	0	23095	707.5	20.2	20.06	103.28%	0.989	1.021	-
Band 12	TOWINZ	QFSK	25 RB		Back side	0	23130	711	20.2	20.11	102.09%	0.975	0.995	-
					Left side	0	23060	704	20.2	20.13	101.62%	0.942	0.957	-
					Left side	0	23095	707.5	20.2	20.06	103.28%	0.918	0.948	-
					Left side	0	23130	711	20.2	20.11	102.09%	0.903	0.922	-
					Top side	0	23095	707.5	20.2	20.14	101.39%	0.101	0.102	-
					Back side	0	23060	704	20.2	20.03	103.99%	0.976	1.015	-
					Back side	0	23095	707.5	20.2	20.14	101.39%	1.020	1.034	-
			50	RB	Back side	0	23130	711	20.2	19.98	105.20%	0.978	1.029	-
					Left side	0	23060	704	20.2	20.03	103.99%	0.882	0.917	-
					Left side	0	23095	707.5	20.2	20.14	101.39%	0.914	0.927	-
					Left side	0	23130	711	20.2	19.98	105.20%	0.875	0.920	-
					Top side	0	23230	782	21.4	21.36	100.93%	0.125	0.126	-
					Back side	0	23230	782	21.4	21.36	100.93%	1.190	1.201	198
				0	Back side*	0	23230	782	21.4	21.36	100.93%	1.070	1.080	-
					Left side	0	23230	782	21.4	21.36	100.93%	0.899	0.907	-
			1 RB		Back side	0	23230	782	21.4	21.28	102.80%	1.120	1.151	-
				25	Left side	0	23230	782	21.4	21.28	102.80%	0.874	0.898	-
		ĺ			Back side	0	23230	782	21.4	21.24	103.75%	1.030	1.069	-
LTE		ĺ		49	Left side	0	23230	782	21.4	21.24	103.75%	0.858	0.890	<u> </u>
Band 13	10MHz	QPSK		0	Left side	0	23230	782	21.4	21.16	105.68%	0.771	0.815	
24.14 10		I		12	Left side	0	23230	782	21.4	21.17	105.44%	0.763	0.804	-
		ĺ	25 RB	12	Top side	0	23230	782	21.4	21.17	105.44%	0.763	0.804	-
		ĺ	20 NB	25				782	21.4				1.029	-
		I		∠5	Back side	0	23230			21.22	104.23%	0.987		<u> </u>
		ĺ	-		Left side	0	23230	782	21.4	21.22	104.23%	0.788	0.821	<u> </u>
		ĺ			Top side	0	23230	782	21.4	21.15	105.93%	0.117	0.124	-
		I	50	KB	Back side	0	23230	782	21.4	21.15	105.93%	0.897	0.950	-
	ĺ.	30 KB			Left side	0	23230	782	21.4	21.15	105.93%	0.767	0.812	-

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx5-LTE FDD Band 14 / Band 17 / Band 25 / Band 26

Mode	Bandwidth (MHz)	Modulation	RB RB Size start		Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged S (W/		Plot page
									roioianos (abin)	(42)		Measured	Reported	
					Top side	0	23330	793	21.8	21.68	102.80%	0.117	0.120	-
					Back side	0	23330	793	21.8	21.68	102.80%	1.160	1.192	199
				0	Back side*	0	23330	793	21.8	21.68	102.80%	1.146	1.178	-
			4 DD		Left side	0	23330	793	21.8	21.68	102.80%	1.030	1.059	-
			1 RB	05	Back side	0	23330	793	21.8	21.52	106.66%	1.060	1.131	-
				25	Left side	0	23330	793	21.8	21.52	106.66%	0.986	1.052	-
				49	Back side	0	23330	793	21.8	21.55	105.93%	1.090	1.155	-
		QPSK		49	Left side	0	23330	793	21.8	21.55	105.93%	0.974	1.032	-
LTE	10MHz				Top side	0	23330	793	21.8	21.62	104.23%	0.113	0.118	-
Band 14	TOWINZ	QFSK		0	Back side	0	23330	793	21.8	21.62	104.23%	1.020	1.063	-
					Left side	0	23330	793	21.8	21.62	104.23%	1.010	1.053	-
			25 RB	12	Back side	0	23330	793	21.8	21.61	104.47%	0.995	1.039	-
				12	Left side	0	23330	793	21.8	21.61	104.47%	0.993	1.037	-
				25	Back side	0	23330	793	21.8	21.57	105.44%	0.986	1.040	-
				23	Left side	0	23330	793	21.8	21.57	105.44%	0.974	1.027	-
					Top side	0	23330	793	21.8	21.64	103.75%	0.103	0.107	-
			50	RB	Back side	0	23330	793	21.8	21.64	103.75%	1.000	1.038	-
			<u> </u>		Left side	0	23330	793	21.8	21.64	103.75%	0.992	1.029	-
					Top side	0	23790	710	21.0	20.90	102.33%	0.118	0.121	L
					Back side	0	23780	709	21.0	20.89	102.57%	1.170	1.200	-
					Back side	0	23790	710	21.0	20.90	102.33%	1.190	1.218	200
			1 RB	0	Back side*	0	23790	710	21.0	20.90	102.33%	1.146	1.173	-
			IND		Back side	0	23800	711	21.0	20.87	103.04%	1.120	1.154	-
				Left side	0	23780	709	21.0	20.89	102.57%	0.919	0.943	-	
					Left side	0	23790	710	21.0	20.90	102.33%	0.931	0.953	-
					Left side	0	23800	711	21.0	20.87	103.04%	0.922	0.950	-
					Top side	0	23780	709	21.0	20.85	103.51%	0.109	0.113	-
				12	Back side	0	23780	709	21.0	20.85	103.51%	1.100	1.139	-
LTE		0.001/			Left side	0	23780	709	21.0	20.85	103.51%	0.901	0.933	-
Band 17	10MHz	QPSK	25 RB		Back side	0	23790	710	21.0	20.72	106.66%	0.979	1.044	-
				05	Back side	0	23800	711	21.0	20.78	105.20%	0.995	1.047	-
				25	Left side	0	23790	710	21.0	20.72	106.66%	0.867	0.925	-
					Left side	0	23800	711	21.0	20.78	105.20%	0.843	0.887	-
					Top side	0	23790	710	21.0	20.82	104.23%	0.102	0.106	-
					Back side	0	23780	709	21.0	20.73	106.41%	0.984	1.047	-
					Back side	0	23790	710	21.0	20.82	104.23%	1.020	1.063	-
			50	RB	Back side	0	23800	711	21.0	20.67	107.89%	0.992	1.070	-
					Left side	0	23780	709	21.0	20.73	106.41%	0.836	0.890	-
					Left side	0	23790	710	21.0	20.82	104.23%	0.882	0.919	-
					Left side	0	23800	711	21.0	20.67	107.89%	0.842	0.908	-
					Top side	0	26140	1860	16.1	15.95	103.51%	0.082	0.085	-
					Back side	0	26140	1860	16.1	15.95	103.51%	1.030	1.066	201
				_	Back side*	0	26140	1860	16.1	15.95	103.51%	0.992	1.027	-
		1	1 RB	0	Back side	0	26365	1882.5	16.1	15.92	104.23%	1.020	1.063	-
		ĺ			Back side	0	26590	1905	16.1	15.90	104.71%	1.000	1.047	-
LTE		l			Left side	0	26140	1860	16.1	15.95	103.51%	0.291	0.301	-
Band 25	20MHz	QPSK			Top side	0	26365	1882.5	16.1	15.88	105.20%	0.079	0.083	-
		1	50 RB	0	Back side	0	26365	1882.5	16.1	15.88	105.20%	0.978	1.029	-
					Left side	0	26365	1882.5	16.1	15.88	105.20%	0.280	0.295	-
					Top side	0	26365	1882.5	16.1	15.87	105.44%	0.069	0.073	-
			100	RB	Back side	0	26365	1882.5	16.1	15.87	105,44%	0.962	1.014	-
		1	1		Left side	0	26365	1882.5	16.1	15.87	105.44%	0.273	0.288	-
					Top side	0	26765	821.5	22.0	21.90	102.33%	0.121	0.124	-
		1			Back side	0	26765	821.5	22.0	21.90	102.33%	1.200	1.228	202
		I			Back side*	0	26765	821.5	22.0	21.90	102.33%	1.130	1.156	-
		I	1 RB	0	Back side	0	26865	831.5	22.0	21.87	103.04%	1.170	1.206	-
		ĺ			Back side	0	26965	841.5	22.0	21.85	103.51%	1.120	1.159	-
LTE					Left side	0	26765	821.5	22.0	21.90	102.33%	1.120	1.146	-
Band 26	15MHz	QPSK			Top side	0	26765	821.5	21.0	20.78	105.20%	0.092	0.097	-
200 20		ĺ	36 RB	18	Back side	0	26765	821.5	21.0	20.78	105.20%	0.823	0.866	-
		ĺ	30		Left side	0	26765	821.5	21.0	20.78	105.20%	0.847	0.891	-
		ĺ			Top side	0	26965	841.5	21.0	20.84	103.75%	0.047	0.093	
		1	75	RB	Back side	0	26965	841.5	21.0	20.84	103.75%	0.009	0.093	-
		ĺ	'3	IVD.	Left side	0	26965	841.5	21.0	20.84	103.75%	0.783	0.843	H
					Leit side	U	20900	041.0	21.0	20.04	103.75%	0.763	0.012	

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx5-LTE FDD Band 30 / TDD Band 38 / Band 41

IAJ-L	<u> </u>	D Da	IIU	<u> </u>	וטטוי	Janu	<u> </u>	Dan	u + i					
Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged S (W/	kg)	Plot page
												Measured	Reported	
					Top side	0	27710	2310	16.5	16.28	105.20%	0.099	0.104	-
				0	Back side	0	27710	2310	16.5	16.28	105.20%	1.140	1.199	203
			1 RB		Back side*	0	27710	2310	16.5	16.28	105.20%	1.020	1.073	-
				25	Left side	0	27710	2310	16.5	16.28	105.20%	0.433	0.455	-
				25	Back side	0	27710	2310	16.5	16.19		1.090	1.171	-
			-	49	Back side	0	27710	2310	16.5	16.12	109.14%	1.050	1.146 0.981	-
LTE Band 30	10MHz	QPSK		U	Back side	0	27710 27710	2310 2310	16.5 16.5	16.15 16.19	108.39% 107.40%	0.905	0.961	<u> </u>
Danu 30			25 RB	12	Top side Back side	0	27710	2310	16.5	16.19	107.40%	0.093	0.100	-
			2010	12	Left side	0	27710	2310	16.5	16.19	107.40%	0.421	0.452	Ė
				25	Back side	0	27710	2310	16.5	16.11	109.40%	0.883	0.966	_
				20	Top side	0	27710	2310	16.5	16.24	106.17%	0.087	0.093	-
			50	RB	Back side	0	27710	2310	16.5	16.24	106.17%	0.918	0.975	-
			00		Left side	0	27710	2310	16.5	16.24	106.17%	0.411	0.436	-
					Top side	0	38000	2595	16.7	16.60	102.33%	0.027	0.028	-
					Back side	0	37850	2580	16.7	16.58	102.80%	1.110	1.141	-
					Back side	0	38000	2595	16.7	16.60	102.33%	1.150	1.177	204
			1 RB	0	Back side*	0	38000	2595	16.7	16.60	102.33%	1.050	1.074	-
					Back side	0	38150	2610	16.7	16.55	103.51%	1.080	1.118	-
		1			Left side	0	38000	2595	16.7	16.60	102.33%	0.481	0.492	-
		1		0	Back side	0	37850	2580	16.7	16.52	104.23%	0.968	1.009	-
LTE				25	Back side	0	38000	2595	16.7	16.47	105.44%	0.984	1.038	-
Band 38	20MHz	QPSK	50 RB		Top side	0	38150	2610	16.7	16.54	103.75%	0.024	0.025	-
				49	Back side	0	38150	2610	16.7	16.54	103.75%	1.030	1.069	-
		1			Left side	0	38150	2610	16.7	16.54	103.75%	0.432	0.448	-
					Top side	0	38000	2595	16.7	16.51	104.47%	0.022	0.022	-
					Back side	0	37850	2580	16.7	16.35	108.39%	0.969	1.050	-
			100) RB	Back side	0	38000	2595	16.7	16.51	104.47%	1.010	1.055	-
					Back side	0	38150	2610	16.7	16.47	105.44%	0.983	1.036	-
					Left side	0	38000	2595	16.7	16.51	104.47%	0.420	0.439	-
CA_38C	20MHz	z QPSK	1RB	0	Back side	0	37850	2580	16.7	16.54	103.75%	1.090	1.131	-
071_000	ZUMHZ QPSK	Q. O.			Top side	0	40620	2593	17.3	17.21	102.09%	0.022	0.023	-
					Back side	0	39750	2506	17.3	17.11	104.47%	1.020	1.066	-
			1		Back side	0	40185	2549.5	17.3	17.16	103.28%	1.060	1.095	-
					Back side	0	40620	2593	17.3	17.21	102.09%	1.130	1.154	205
			1 RB	0	Back side*	0	40620	2593	17.3	17.21	102.09%	1.010	1.031	-
					Back side	0	41055	2636.5	17.3	17.20	102.33%	1.110	1.136	-
					Back side	0	41490	2680	17.3	17.19	102.57%	1.090	1.118	-
					Left side	0	40620	2593	17.3	17.21	102.09%	0.418	0.427	-
					Back side	0	39750	2506	17.3	17.06	105.68%	0.938	0.991	-
				0	Back side	0	41055	2636.5	17.3	17.07	105.44%	0.929	0.980	-
LTE					Back side	0	41490	2680	17.3	16.95	108.39%	0.942	1.021	-
Band 41	20MHz	QPSK	50 RB		Top side	0	40620	2593	17.3	17.09	104.95%	0.021	0.022	-
					Back side	0	40185	2549.5	17.3	16.95	108.39%	0.905	0.981	-
				25	Back side	0	40620	2593	17.3	17.09	104.95%	0.978	1.026	-
					Left side	0	40620	2593	17.3	17.09	104.95%	0.401	0.421	-
					Top side	0	40620	2593	17.3	17.05	105.93%	0.020	0.021	-
					Back side	0	39750	2506	17.3	16.98	107.65%	0.937	1.009	-
					Back side	0	40185	2549.5	17.3	16.90	109.65%	0.917	1.005	-
			100	RB	Back side	0	40620	2593	17.3	17.05	105.93%	0.962	1.019	-
					Back side	0	41055	2636.5	17.3	16.97	107.89%	0.934	1.008	-
		1			Back side	0	41490	2680	17.3	16.98	107.65%	0.925	0.996	-
					Left side	0	40620	2593	17.3	17.05	105.93%	0.393	0.416	
CA_41C	20MHz	QPSK	1RB	0	Back side	0	41490	2680	17.3	17.15	103.51%	1.100	1.139	-
					Top side	0	41055	2636.5	19.4	19.30	102.33%	0.025	0.025	-
		1			Back side	0	39750	2506	19.4	19.23	103.99%	1.060	1.102	-
		1			Back side	0	40185	2549.5	19.4	19.24	103.75%	1.100	1.141	
		1	1 RB	0	Back side	0	40620	2593	19.4	19.29	102.57%	1.120	1.149	-
		1	IKB	U	Back side	0	41055	2636.5	19.4	19.30	102.33%	1.170	1.197	206
	1				Back side*	0	41055	2636.5	19.4	19.30	102.33%	1.020	1.044	-
		1			Back side	0	41490	2680	19.4	19.28	102.80%	1.140	1.172	-
		1			Left side	0	41055	2636.5	19.4	19.30	102.33%	0.453	0.464	-
		1		0	Back side	0	41490	2680	19.4	19.13	106.41%	0.948	1.009	-
1.75		1		25	Back side	0	40620	2593	19.4	19.19	104.95%	0.932	0.978	-
LTE Pond 41	20MHz	QPSK			Top side	0	41055	2636.5	19.4	19.22	104.23%	0.024	0.024	-
Band 41 (HPUE)	ZUIVIMZ	UP5K	50 RB		Back side	0	39750	2506	19.4	19.15	105.93%	0.956	1.013	-
(III OL)		1		49	Back side	0	40185	2549.5	19.4	19.14	106.17%	0.946	1.004	-
		1			Back side	0	41055	2636.5	19.4	19.22	104.23%	0.989	1.031	-
	1				Left side	0	41055	2636.5	19.4	19.22	104.23%	0.434	0.452	-
		1			Top side	0	41055	2636.5	19.4	19.19	104.95%	0.022	0.023	-
		1			Back side	0	39750	2506	19.4	19.16	105.68%	0.882	0.932	-
		1			Back side	0	40185	2549.5	19.4	19.05	108.39%	0.856	0.928	-
	1		100	RB	Back side	0	40620	2593	19.4	19.04	108.64%	0.847	0.920	-
		1	1	RB	Back side	0	41055	2636.5	19.4	19.19	104.95%	0.893	0.937	-
		1			Back side	0	41490	2680	19.4	19.07	107.89%	0.845	0.912	-
		1	1		Left side	0	41055	2636.5	19.4	19.19	104.95%	0.412	0.433	-

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

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Tx5-LTE FDD Band 66

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged S. (W/	Plot page	
									Tolcrance (dBill)	(dDIII)		Measured	Reported	
					Top side	0	132072	1720	16.7	16.54	103.75%	0.119	0.123	-
					Back side	0	132072	1720	16.7	16.54	103.75%	1.130	1.172	207
			1 RB	0	Back side*	0	132072	1720	16.7	16.54	103.75%	1.090	1.131	-
			IND	U	Back side	0	132322	1745	16.7	16.44	106.17%	1.100	1.168	-
		QPSK			Back side	0	132572	1770	16.7	16.41	106.91%	1.080	1.155	-
					Left side	0	132072	1720	16.7	16.54	103.75%	0.520	0.540	-
			50 RB		Top side	0	132322	1745	16.7	16.38	107.65%	0.110	0.118	-
LTE	20MHz			0	Back side	0	132072	1720	16.7	16.37	107.89%	0.964	1.040	-
Band 66	ZUMITZ				Back side	0	132322	1745	16.7	16.38	107.65%	1.040	1.120	-
					Left side	0	132322	1745	16.7	16.38	107.65%	0.483	0.520	-
				25	Back side	0	132572	1770	16.7	16.36	108.14%	0.965	1.044	-
					Top side	0	132322	1745	16.7	16.39	107.40%	0.092	0.099	-
					Back side	0	132072	1720	16.7	16.35	108.39%	0.978	1.060	-
			100	RB	Back side	0	132322	1745	16.7	16.39	107.40%	1.020	1.095	-
			l		Back side	0	132572	1770	16.7	16.36	108.14%	0.958	1.036	-
					Left side	0	132322	1745	16.7	16.39	107.40%	0.471	0.506	-
CA_66B	10MHz	QPSK	1RB	25	Back side	0	132022	1715	16.7	16.35	108.39%	1.000	1.084	-
CA_66C	20MHz	QPSK	1RB	0	Back side	0	132072	1720	16.7	16.51	104.47%	1.020	1.066	-

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx5-5G NR n2 / n5 / n12 / n66

	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged S (W/	Plot page	
									Tolerance (dBm)	(dBm)		Measured	Reported	
					Top side	0	372000	1860	12.3	12.23	101.62%	0.059	0.060	_
					Back side	0	372000	1860	12.3	12.23	101.62%	1.150	1.169	208
			1 RB	1	Back side*	0	372000	1860	12.3	12.23	101.62%	1.100	1.118	
					Back side	0	376000	1880	12.3	12.20	102.33%	1.132	1.158	-
					Back side	0	380000	1900	12.3	12.18	102.80%	1.110	1.141	-
					Left side	0	372000	1860	12.3	12.23	101.62%	0.325	0.330	-
				0	Top side	0	372000	1860	12.3	12.17	103.04%	0.051	0.053	-
NR n2	20MHz	Pi/2 BPSK	50 RB	U	Back side Left side	0	372000 372000	1860 1860	12.3 12.3	12.17	103.04% 103.04%	0.992 0.318	1.022 0.328	1
			30 KB	28	Back side	0	376000	1880	12.3	12.17 12.09	103.04%	0.966	1.014	-
				56	Back side	0	380000	1900	12.3	12.07	105.44%	0.957	1.009	-
					Top side	0	376000	1880	12.3	12.13	103.99%	0.050	0.052	-
					Back side	0	372000	1860	12.0	12.07	98.40%	0.959	0.944	-
			100) RB	Back side	0	376000	1880	12.3	12.13	103.99%	0.980	1.019	-
					Back side	0	380000	1900	12.3	12.10	104.71%	0.971	1.017	-
					Left side	0	376000	1880	12.3	12.13	103.99%	0.305	0.317	-
					Top side	0	166800	834	19.9	19.76	103.28%	0.088	0.091	-
					Back side	0	166800	834	19.9	19.76	103.28%	1.030	1.064	20
		Pi/2 BPSK	1 RB	1	Back side*	0	166800	834	19.9	19.76	103.28%	0.998	1.031	-
					Back side	0	167300	836.5	19.9	19.62	106.66%	0.931	0.993	-
					Back side	0	167800	839	19.9	19.71	104.47%	1.010	1.055	-
					Left side	0	166800	834	19.9	19.76	103.28%	0.750	0.775	-
				0	Top side	0	166800	834	19.9	19.59	107.40%	0.078	0.084	-
NR n5	20MHz		50 RB	U	Back side Left side	0	166800	834	19.9	19.59	107.40%	0.853	0.916	-
			30 KB		Back side	0	166800 167300	834 836.5	19.9 19.9	19.59 19.58	107.40% 107.65%	0.715 0.825	0.768 0.888	-
				56	Back side	0	167800	839	19.9	19.36	111.43%	0.823	0.888	-
					Top side	0	167800	839	19.9	19.11	119.95%	0.068	0.081	
					Back side	0	166800	834	19.9	19.10	120.23%	0.657	0.790	Ι.
			100	RB	Back side	0	167300	836.5	19.9	18.93	125.03%	0.626	0.783	Η-
					Back side	0	167800	839	19.9	19.11	119.95%	0.683	0.819	1 -
					Left side	0	167800	839	19.9	19.11	119.95%	0.622	0.746	-
					Top side	0	141700	708.5	17.7	17.67	100.69%	0.063	0.063	-
					Back side	0	141300	706.5	17.7	17.65	101.16%	1.140	1.153	-
			1		Back side	0	141500	707.5	17.7	17.58	102.80%	1.120	1.151	-
			1 RB	1	Back side	0	141700	708.5	17.7	17.67	100.69%	1.190	1.198	21
					Back side*	0	141700	708.5	17.7	17.67	100.69%	1.120	1.128	-
					Left side	0	141300	706.5	17.7	17.65	101.16%	1.080	1.093	-
					Left side	0	141500	707.5	17.7	17.58	102.80%	1.120	1.151	-
					Left side	0	141700	708.5	17.7	17.67	100.69%	1.160	1.168	
				22	Back side	0	141700 141700	708.5 708.5	17.7 17.7	17.47 17.47	105.44% 105.44%	0.985 0.907	1.039 0.956	-
					Left side Top side	0	141300	706.5	17.7	17.55	103.44%	0.907	0.950	-
NR n12	15MHz	Pi/2 BPSK	36 RB		Back side	0	141300	706.5	17.7	17.55	103.51%	1.031	1.067	-
			00.11	43	Back side	0	141500	707.5	17.7	17.52	104.23%	0.992	1.034	-
					Left side	0	141300	706.5	17.7	17.55	103.51%	0.948	0.981	١.
					Left side	0	141500	707.5	17.7	17.52	104.23%	0.935	0.975	-
		1			Top side	0	141500	707.5	17.7	17.51	104.47%	0.051	0.053	-
		1			Back side	0	141300	706.5	17.7	17.41	106.91%	0.958	1.024	
		1			Back side	0	141500	707.5	17.7	17.51	104.47%	0.988	1.032	_
		1	75	RB	Back side	0	141700	708.5	17.7	17.39	107.40%	0.957	1.028	
					Left side	0	141300	706.5	17.7	17.41	106.91%	0.896	0.958	-
					Left side	0	141500	707.5	17.7	17.51	104.47%	0.934	0.976	<u> </u>
			<u> </u>		Left side	0	141700	708.5	17.7	17.39	107.40%	0.897	0.963	<u> </u>
					Top side	0	344000	1720	13.7	13.66	100.93%	0.057	0.058	
		1			Back side	0	344000	1720	13.7	13.66	100.93%	1.180	1.191	21
		1	1 RB	1	Back side* Back side	0	344000 349000	1720 1745	13.7 13.7	13.66 13.60	100.93% 102.33%	1.160 1.150	1.171 1.177	H
		1			Back side	0	354000	1745	13.7	13.55	102.33%	1.120	1.177	<u> </u>
		1			Left side	0	344000	1770	13.7	13.66	100.93%	0.302	0.305	H
		1	—	28	Back side	0	354000	1770	13.7	13.44	106.17%	0.302	1.045	H
		1			Top side	0	344000	1720	13.7	13.52	104.23%	0.055	0.057	<u> </u>
NR n66	20MHz	Pi/2 BPSK	50 RB	_	Back side	0	344000	1720	13.7	13.52	104.23%	1.090	1.136	١.
				56	Back side	0	349000	1745	13.6	13.49	102.57%	0.996	1.022	Ι.
					Left side	0	344000	1720	13.7	13.52	104.23%	0.285	0.297	١.
		1			Top side	0	349000	1745	13.7	13.48	105.20%	0.053	0.055	
		1			Back side	0	344000	1720	13.7	13.38	107.65%	0.986	1.061	Ι-
			100	RB	Back side	0	349000	1745	13.7	13.48	105.20%	1.040	1.094	-
		1		KB	Back side	0	354000	1770	13.7	13.36	108.14%	0.972	1.051	-
			1		Left side	0	349000	1745	13.7	13.48	105.20%	0.278	0.292	

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx5-WCDMA Band II / Band IV / Band V

Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power	Scaling	Averaged 1 (W/	Plot page	
					roloranoo (abiii)	(dBm)		Measured	Reported	
	Bottom side	0	9662	1852.4	18.4	18.40	100.00%	1.150	1.150	212
WCDMA Band II	Bottom side*	0	9662	1852.4	18.4	18.40	100.00%	1.060	1.060	
WCDMA Band II	Bottom side	0	9400	1880	18.4	18.32	101.86%	1.080	1.100	-
	Bottom side	0	9538	1907.6	18.4	18.25	103.51%	1.030	1.066	-
	Bottom side	0	1312	1712.4	19.4	19.36	100.93%	1.020	1.029	-
WCDMA Band IV	Bottom side	0	1412	1732.4	19.4	19.37	100.69%	1.090	1.098	-
WCDIVIA Band IV	Bottom side	0	1513	1752.6	19.4	19.39	100.23%	1.140	1.143	213
	Bottom side*	0	1513	1752.6	19.4	19.39	100.23%	1.100	1.103	-
	Bottom side	0	4132	826.4	23.9	23.75	103.51%	0.986	1.021	-
WCDMA Band V	Bottom side	0	4183	836.6	23.9	23.77	103.04%	0.994	1.024	-
WCDIVIA Band V	Bottom side	0	4233	846.6	23.9	23.82	101.86%	1.050	1.070	214
	Bottom side*	0	4233	846.6	23.9	23.82	101.86%	1.100	1.120	-

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx5-LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14

Mode Bandwidth (MHz) Modulation		Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq. (MHz)	Power + May	Measured Avg. Power (dBm)	Scaling	Averaged S (W/		Plot page		
									Tolcrance (dBin)	(dDill)		Measured	Reported			
					Bottom side	0	18700	1860	18.5	18.42	101.86%	0.987	1.005	-		
			1 RB	0	Bottom side	0	18900	1880	18.5	18.39	102.57%	0.993	1.018	-		
					Bottom side*	0	19100 19100	1900 1900	18.5 18.5	18.46 18.46	100.93% 100.93%	1.100 1.030	1.110 1.040	215		
LTE					Bottom side	0	18700	1860	18.5	18.35	100.93%	0.985	1.020	-		
Band 2	20MHz	QPSK	50 RB	25	Bottom side	0	19100	1900	18.5	18.37	103.04%	1.030	1.020	-		
				49	Bottom side	0	18900	1880	18.5	18.29	104.95%	0.962	1.010	-		
					Bottom side	0	18700	1860	18.5	18.25	105.93%	0.956	1.013	-		
			100	RB	Bottom side	0	18900	1880	18.5	18.19	107.40%	0.948	1.018	-		
					Bottom side	0	19100	1900	18.5	18.26	105.68%	0.970	1.025	-		
					Bottom side Bottom side	0	20050 20175	1720 1732.5	18.2 18.2	18.12 18.18	101.86% 100.46%	0.989 1.040	1.007 1.045	216		
			1 RB	0	Bottom side*	0	20175	1732.5	18.2	18.18	100.46%	1.010	1.045	-		
					Bottom side	0	20300	1745	18.2	18.15	101.16%	0.993	1.004	-		
LTE	201411-	ODCK			Bottom side	0	20050	1720	18.2	18.06	103.28%	0.946	0.977	-		
Band 4	20MHz	QPSK	50 RB	0	Bottom side	0	20175	1732.5	18.2	18.11	102.09%	0.960	0.980	-		
					Bottom side	0	20300	1745	18.2	18.02	104.23%	0.932	0.971	-		
					Bottom side	0	20050	1720	18.2	17.97	105.44%	0.895	0.944			
			100	KB	Bottom side	0	20175 20300	1732.5 1745	18.2 18.2	18.00 18.09	104.71% 102.57%	0.907 0.930	0.950 0.954	-		
					Bottom side Bottom side	0	20300	829	24.5	24.14	102.57%	1.240	1.347	<u> </u>		
					Bottom side	0	20525	826.5	24.5	24.17	107.89%	1.260	1.359	7		
			1 RB	0	Bottom side*	0	20525	826.5	24.5	24.17	107.89%	1.120	1.208	-		
					Bottom side	0	20600	844	24.5	24.10	109.65%	1.210	1.327	-		
LTE	10MHz	0MHz QPSK		0	Bottom side	0	20525	826.5	23.5	23.12	109.14%	1.130	1.233	-		
Band 5	Band 5		25 RB		Bottom side	0	20600	844	23.5	23.04	111.17%	1.080	1.201	-		
				25	Bottom side	0	20450	829	23.5	22.99	112.46%	1.030	1.158	-		
			50	RR	Bottom side Bottom side	0	20450 20525	829 826.5	23.5 23.5	22.99 23.13	112.46% 108.89%	1.020 0.820	1.147 0.893	-		
			30	ND	Bottom side	0	20600	844	23.5	23.13	110.15%	0.820	0.896			
CA_5B	10MHz	QPSK	1RB	0	Bottom side	0	20450	829	24.5	24.11	109.40%	1.120	1.225	-		
						Bottom side	0	20850	2510	18.6	18.56	100.93%	1.220	1.231	218	
			1 RB	0	Bottom side*	0	20850	2510	18.6	18.56	100.93%	1.140	1.151	-		
			I IND		Bottom side	0	21100	2535	18.6	18.47	103.04%	1.160	1.195	-		
					Bottom side	0	21350	2560	18.6	18.50	102.33%	1.120	1.146	-		
LTE Band 7	20MHz	QPSK	QPSK 50 RB	0	Bottom side	0	21100 21350	2535 2560	18.6 18.6	18.43 18.39	103.99%	1.040	1.082 1.144	-		
Dana 7				49	Bottom side Bottom side	0	20850	2510	18.6	18.44	104.95% 103.75%	1.150	1.193	-		
				40	Bottom side	0	20850	2510	18.6	18.31	106.91%	1.070	1.144	-		
			100	RB	Bottom side	0	21100	2535	18.6	18.27	107.89%	0.993	1.071	-		
					Bottom side	0	21350	2560	18.6	18.30	107.15%	0.986	1.057	-		
CA_7C	20MHz	QPSK	1RB	0	Bottom side	0	20850	2510	18.6	18.51	102.09%	1.140	1.164	-		
					Bottom side	0	23060	704	23.4	23.37	100.69%	1.080	1.087	219		
			1 RB	0	Bottom side* Bottom side	0	23060 23095	704 707.5	23.4	23.37 23.33	100.69%	1.000 1.030	1.007	-		
					Bottom side	0	23130	711	23.4	23.35	101.62% 101.16%	0.995	1.047			
LTE				12	Bottom side	0	23060	704	22.4	22.26	103.28%	0.957	0.988	-		
Band 12	10MHz	QPSK	25 RB	25	Bottom side	0	23095	707.5	22.4	22.31	102.09%	0.970	0.990	-		
				20	Bottom side	0	23130	711	22.4	22.24	103.75%	0.948	0.984	-		
					Bottom side	0	23060	704	22.4	22.26	103.28%	0.930	0.960	-		
			50	KB	Bottom side	0	23095	707.5	22.4	22.17	105.44%	0.902	0.951	-		
			-		Bottom side Bottom side	0	23130 23230	711 782	22.4 23.6	22.23 23.57	103.99% 100.69%	0.878 1.170	0.913 1.178	220		
				0	Bottom side*	0	23230	782	23.6	23.57	100.69%	1.020	1.027	-		
			1 RB	25	Bottom side	0	23230	782	23.6	23.51	102.09%	1.120	1.143	-		
LTE	10MHz	QPSK		49	Bottom side	0	23230	782	23.6	23.36	105.68%	1.050	1.110	-		
Band 13	TOWINZ	Qi · Siλ		0	Bottom side	0	23230	782	22.6	22.30	107.15%	0.982	1.052	-		
			25 RB		Bottom side	0	23230	782	22.6	22.33	106.41%	0.991	1.055	-		
				25	Bottom side	0	23230	782	22.6	22.42	104.23%	1.070	1.115	-		
	1		50	KR	Bottom side	0	23230	782	22.6	22.38	105.20%	0.950	0.999	- 221		
				0	Bottom side*	0	23330 23330	793 793	24.1 24.1	23.92 23.92	104.23% 104.23%	1.180 1.090	1.230 1.136	221		
		1	1 RB	25	Bottom side	0	23330	793	24.1	23.75	104.23%	1.120	1.214	-		
LTE	401411-	ODOK		49	Bottom side	0	23330	793	24.1	23.71	109.40%	1.050	1.149	-		
Band 14	10MHz	QPSK		0	Bottom side	0	23330	793	23.1	22.82	106.66%	1.120	1.195	-		
		1		12	Bottom side	0	23330	793	23.1	22.78	107.65%	0.997	1.073	-		
		1		25	Bottom side	0	23330	793	23.1	22.75	108.39%	0.975	1.057	-		
					50	RB	Bottom side	0	23330	793	23.1	22.72	109.14%	1.020	1.113	-

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx5-LTE FDD Band 17 / Band 25 / Band 26 / Band 30 / Band 38 / Band 41 / Band 66

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged S (W/	kg)	Plot page
					Bottom side	0	23780	709	23.5	23.44	101.39%	Measured 1.160	Reported 1.176	
				_	Bottom side	0	23790	710	23.5	23.44	101.39%	1.160	1.176	222
			1 RB	0	Bottom side*	0	23790	710	23.5	23.47	100.69%	1.090	1.098	-
					Bottom side	0	23800	711	23.5	23.40	102.33%	1.130	1.156	-
LTE Band 17	10MHz	QPSK	25 RB	12	Bottom side Bottom side	0	23790 23800	710 711	22.5 22.5	22.43 22.27	101.62% 105.44%	1.160	1.179	-
			LOND	25	Bottom side	0	23780	709	22.5	22.39	102.57%	1.040	1.067	-
					Bottom side	0	23780	709	22.5	22.28	105.20%	1.020	1.073	-
			50	RB	Bottom side	0	23790	710	22.5	22.39	102.57%	1.080	1.108	-
				1	Bottom side Bottom side	0	23800 26140	711 1860	22.5 18.8	22.37 18.74	103.04%	0.996 0.983	1.026 0.997	-
				_	Bottom side	0	26365	1882.5	18.8	18.70	102.33%	0.995	1.018	-
			1 RB	0	Bottom side	0	26590	1905	18.8	18.77	100.69%	1.070	1.077	223
		QPSK			Bottom side*	0	26590	1905	18.8	18.77	100.69%	1.010	1.017	
LTE Band 25	20MHz		50 RB	0	Bottom side	0	26365	1882.5	18.8	18.64	103.75%	0.926	0.961	-
Danu 25			50 KB	49	Bottom side Bottom side	0	26140 26590	1860 1905	18.8 18.8	18.59 18.67	104.95% 103.04%	0.916 0.940	0.961	-
					Bottom side	0	26140	1860	18.8	18.68	102.80%	0.890	0.915	-
			100) RB	Bottom side	0	26365	1882.5	18.8	18.62	104.23%	0.863	0.900	-
					Bottom side	0	26590	1905	18.8	18.53	106.41%	0.847	0.901	-
					Bottom side Bottom side	0	26765 26865	821.5 831.5	24.3 24.3	24.19 24.20	102.57% 102.33%	1.070 1.170	1.097	-
			1 RB	0	Bottom side	0	26965	841.5	24.3	24.24	101.39%	1.220	1.237	224
					Bottom side*	0	26965	841.5	24.3	24.24	101.39%	1.200	1.217	-
LTE	15MHz	QPSK	20.55	0	Bottom side	0	26765	821.5	23.3	23.11	104.47%	1.050	1.097	-
Band 26			36 RB	18	Bottom side Bottom side	0	26965 26865	841.5 831.5	23.3	23.17 23.18	103.04% 102.80%	1.140 1.180	1.175	-
	1		\vdash	31	Bottom side	0	26765	821.5	23.3	23.10	104.23%	1.060	1.105	-
	1		75	RB	Bottom side	0	26865	831.5	23.3	23.11	104.47%	0.982	1.026	L-
	ļ				Bottom side	0	26965	841.5	23.3	23.00	107.15%	0.976	1.046	-
	1			0	Bottom side	0	27710	2310	20.2	20.14	101.39%	1.230	1.247	225
	1		1 RB	25	Bottom side* Bottom side	0	27710 27710	2310 2310	20.2	20.14 19.90	101.39% 107.15%	1.200	1.217	-
LTE	405.00	OPOV		49	Bottom side	0	27710	2310	20.2	19.92	106.66%	1.070	1.141	
Band 30	10MHz	QPSK		0	Bottom side	0	27710	2310	20.2	19.89	107.40%	1.070	1.149	-
			25 RB		Bottom side	0	27710	2310	20.2	19.91	106.91%	1.140	1.219	-
			50	25 RB	Bottom side Bottom side	0	27710 27710	2310 2310	20.2	19.87 20.14	107.89% 101.39%	1.050 1.020	1.133	-
			30	IND	Bottom side	0	37850	2580	22.2	22.14	101.39%	1.020	1.034	226
			1 RB	0	Bottom side*	0	37850	2580	22.2	22.14	101.39%	0.994	1.008	-
			I KB	0	Bottom side	0	38000	2595	22.2	22.10	102.33%	0.988	1.011	
			0	Bottom side	0	38150	2610	22.2	22.09	102.57%	0.967	0.992	-	
LTE Band 38	20MHz	QPSK	50 RB	_	Bottom side Bottom side	0	38150 37850	2610 2580	22.2	20.98	132.43%	0.883	1.169	-
	Band 38		00110	49	Bottom side	0	38000	2595	22.2	21.03	130.92%	0.920	1.204	-
					Bottom side	0	37850	2580	22.2	20.99	132.13%	0.840	1.110	-
			100) RB	Bottom side	0	38000	2595	22.2	20.95	133.35%	0.824	1.099	-
CA_38C	20MHz	QPSK	1RB	0	Bottom side Bottom side	0	38150 37850	2610 2580	22.2	20.90 22.11	134.90% 102.09%	0.812 0.983	1.095	-
071_000	LOMINE	Q, O,			Bottom side	0	39750	2506	22.3	22.21	102.09%	1.050	1.072	-
					Bottom side	0	40185	2549.5	22.3	22.16	103.28%	0.993	1.026	-
			1 RB	0	Bottom side Bottom side	0	40620 41055	2593 2636.5	22.3 22.3	22.18 22.23	102.80% 101.62%	1.070 1.180	1.100 1.199	227
					Bottom side*	0	41055	2636.5	22.3	22.23	101.62%	1.110	1.128	- 221
					Bottom side	0	41490	2680	22.3	22.14	103.75%	0.996	1.033	-
					Bottom side	0	40185	2549.5	22.3	21.06	133.05%	0.857	1.140	
LTE Band 41	20MHz	QPSK	50 RB	0	Bottom side Bottom side	0	40620 41490	2593 2680	22.3 22.3	21.04 21.12	133.66% 131.22%	0.861 0.880	1.151 1.155	-
Dana 41			30 KB		Bottom side	0	39750	2506	22.3	21.06	133.05%	0.846	1.126	
	1		<u></u>	25	Bottom side	0	41055	2636.5	22.3	21.10	131.83%	0.852	1.123	-
	1				Bottom side	0	39750	2506	22.3	21.04	133.66%	0.787	1.052	-
	1		100) RB	Bottom side Bottom side	0	40185 40620	2549.5 2593	22.3 22.3	21.07 21.08	132.74%	0.795	1.055	-
	1		100	, 110	Bottom side	0	41055	2636.5	22.3	21.08	132.43%	0.830	1.062	-
					Bottom side	0	41490	2680	22.3	21.04	133.66%	0.814	1.088	-
CA_41C	20MHz	QPSK	1RB	0	Bottom side	0	39750	2506	22.3	22.17	103.04%	1.070	1.103	-
	1				Bottom side Bottom side	0	39750 40185	2506 2549.5	23.9 23.9	23.76 23.65	103.28% 105.93%	1.160 0.989	1.198	-
	1		l	_	Bottom side	0	40620	2549.5	23.9	23.80	105.93%	1.200	1.048	228
	1	l	1 RB	0	Bottom side*	0	40620	2593	23.9	23.80	102.33%	1.140	1.167	-
			1	1	Bottom side	0	41055	2636.5	23.9	23.58	107.65%	0.974	1.048	-
				1	Bottom side	0	41490	2680	23.9	23.68	105.20%	0.992 0.858	1.044	-
				^									4 470	
LTE				0 25	Bottom side	0	40185 41490	2549.5 2680	23.9	22.53	137.09%		1.176	
Band 41	20MHz	QPSK	50 RB	25		0 0	40185 41490 39750	2680 2506	23.9 23.9 23.9	22.53 22.56 22.54	137.09% 136.14% 136.77%	0.877 0.863	1.176 1.194 1.180	-
LTE Band 41 (HPUE)	20MHz	QPSK	50 RB	25	Bottom side Bottom side Bottom side Bottom side	0 0	41490 39750 40185	2680 2506 2549.5	23.9 23.9 23.9	22.56 22.54 22.50	136.14% 136.77% 138.04%	0.877 0.863 0.855	1.194 1.180 1.180	-
Band 41	20MHz	QPSK	50 RB	25	Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0	41490 39750 40185 41055	2680 2506 2549.5 2636.5	23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57	136.14% 136.77% 138.04% 135.83%	0.877 0.863 0.855 0.890	1.194 1.180 1.180 1.209	-
Band 41	20MHz	QPSK	50 RB	25	Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0 0	41490 39750 40185 41055 39750	2680 2506 2549.5 2636.5 2506	23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56	136.14% 136.77% 138.04% 135.83% 136.14%	0.877 0.863 0.855 0.890 0.840	1.194 1.180 1.180 1.209 1.144	-
Band 41	20MHz	QPSK		25	Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0 0 0	41490 39750 40185 41055 39750 40185	2680 2506 2549.5 2636.5	23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56 22.49	136.14% 136.77% 138.04% 135.83% 136.14% 138.36%	0.877 0.863 0.855 0.890 0.840 0.823	1.194 1.180 1.180 1.209 1.144 1.139	-
Band 41	20MHz	QPSK		25 49	Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055	2680 2506 2549.5 2636.5 2506 2549.5 2593 2636.5	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56 22.49 22.43 22.53	136.14% 136.77% 138.04% 135.83% 136.14% 138.36% 140.28% 137.09%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139	
Band 41	20MHz	QPSK		25 49	Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41490	2680 2506 2549.5 2636.5 2506 2549.5 2593 2636.5 2680	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56 22.49 22.43 22.53 22.50	136.14% 136.77% 138.04% 135.83% 136.14% 138.36% 140.28% 137.09% 138.04%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126	-
Band 41	20MHz	QPSK	100	25 49 0 RB	Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41490 132072	2680 2506 2549.5 2636.5 2506 2549.5 2593 2636.5 2680 1720	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56 22.49 22.43 22.53 22.50 19.21	136.14% 136.77% 138.04% 135.83% 136.14% 138.36% 140.28% 137.09% 138.04% 104.47%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831 0.816	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126 1.118	-
Band 41	20MHz	QPSK		25 49	Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41490	2680 2506 2549.5 2636.5 2506 2549.5 2593 2636.5 2680	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56 22.49 22.43 22.53 22.50	136.14% 136.77% 138.04% 135.83% 136.14% 138.36% 140.28% 137.09% 138.04%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831 0.816 1.070	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126	-
Band 41	20MHz	QPSK	100	25 49 0 RB	Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41490 132072 132322	2680 2506 2549.5 2636.5 2506 2549.5 2593 2636.5 2680 1720	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56 22.49 22.43 22.53 22.50 19.21 19.19	136.14% 136.77% 138.04% 135.83% 136.14% 138.36% 140.28% 137.09% 138.04% 104.47%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831 0.816	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126 1.118	
Band 41 (HPUE)			100 1 RB	25 49 0 RB	Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0 0 0 0 0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41055 412072 132072 132372 132572 132572	2680 2506 2549.5 2636.5 2506 2549.5 2593 2636.5 2680 1720 1745 1770 1770	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56 22.49 22.43 22.53 22.50 19.21 19.19 19.27 19.27 19.17	136.14% 136.77% 138.04% 135.83% 136.14% 138.36% 140.28% 137.09% 138.04% 104.47% 104.47% 103.04% 103.04%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831 0.816 1.070 1.120 1.150 1.110	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126 1.118 1.175 1.185 1.144	
Band 41 (HPUE)	20MHz	QPSK QPSK	100	25 49 0 RB	Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side Bottom side	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41490 132072 132322 132572 132572 132072	2680 2506 2549.5 2636.5 2506 2549.5 2593 2636.5 2680 1720 1745 1770 1770 1720	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.57 22.57 22.56 22.49 22.43 22.53 22.50 19.21 19.19 19.27 19.27 19.17	136.14% 136.77% 138.04% 135.13% 136.14% 138.36% 140.28% 137.09% 138.04% 104.47% 104.95% 103.04% 103.04% 105.64%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831 0.816 1.070 1.120 1.150 1.110 0.988 0.992	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126 1.118 1.175 1.185 1.185 1.144 1.042	
Band 41 (HPUE)			100 1 RB	25 49 0 RB	Bottom side Bottom side	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41490 132072 132322 132572 132572 132572 132572	2680 2596 2549.5 2636.5 2506 2549.5 2693 2636.5 2690 1720 1745 1770 1770 1770 1775	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.57 22.56 22.49 22.43 22.53 22.50 19.21 19.27 19.27 19.27 19.17 19.19	136.14% 136.77% 138.04% 135.83% 136.14% 138.36% 140.28% 137.09% 137.09% 103.04% 104.47% 104.95% 103.04% 105.68% 105.68%	0.877 0.863 0.850 0.890 0.840 0.823 0.827 0.831 0.816 1.070 1.120 1.150 1.110 0.988 0.992 1.070	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126 1.118 1.175 1.185 1.144 1.042	
Band 41 (HPUE)			100 1 RB 50 RB	25 49 0 RB	Bottom side Bottom side	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41490 132072 132322 132572 132572 132572 132322 132572 132072	2680 2506 2549.5 2636.5 2506 2549.5 2593 2636.5 2680 1720 1745 1770 1770 1720	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56 22.49 22.43 22.53 22.50 19.21 19.19 19.27 19.17 19.16 19.19 19.06	136.14% 136.77% 138.04% 135.13% 136.14% 138.36% 140.28% 137.09% 138.04% 104.47% 104.95% 103.04% 103.04% 105.64%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831 0.816 1.070 1.120 1.150 1.110 0.988 0.992	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126 1.118 1.175 1.185 1.144 1.042 1.048 1.123	
Band 41 (HPUE)			100 1 RB 50 RB	25 49 0 RB 0 49	Bottom side Bottom side	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41490 132072 132322 132572 132572 132572 132572	2680 2599.5 2636.5 2636.5 2593 2636.5 2593 2636.5 2680 1720 1770 1770 1770 1770 1770 1770	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.57 22.56 22.49 22.43 22.53 22.50 19.21 19.27 19.27 19.27 19.17 19.19	136.14% 136.77% 138.04% 138.04% 136.14% 138.36% 140.28% 137.09% 138.04% 104.47% 104.95% 103.04% 105.44% 105.68% 104.95% 104.95% 105.68%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831 0.816 1.070 1.120 1.150 1.110 0.988 0.992 1.070 0.906	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126 1.118 1.175 1.185 1.144 1.042	
Band 41 (HPUE)			100 1 RB 50 RB	25 49 0 RB 0 49	Bottom side Bottom side	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41490 39750 40185 41055 39750 40185 40620 41055 41055 41490 132072 132322 132572 132572 132072 132572 132572 132072 132322 132572	2680 2596 2549.5 2636.5 2506 2549.5 2593 2636.5 2680 1720 1745 1770 1770 1770 1745 1745 1770 1745	23.9 23.9 23.9 23.9 23.9 23.9 23.9 23.9	22.56 22.54 22.50 22.57 22.56 22.49 22.43 22.53 22.50 19.21 19.19 19.27 19.27 19.17 19.16 19.19 19.06	136.14% 136.77% 138.04% 138.36% 136.14% 138.36% 140.28% 137.09% 138.04% 104.47% 103.04% 105.44% 105.68% 104.95% 104.95% 104.95% 104.95%	0.877 0.863 0.855 0.890 0.840 0.823 0.827 0.831 0.816 1.070 1.120 1.150 1.110 0.988 0.992 1.070 0.992	1.194 1.180 1.180 1.209 1.144 1.139 1.160 1.139 1.126 1.118 1.175 1.144 1.042 1.048 1.123 0.980	

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx5-5G NR n2 / n5 / n12 / n66

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged S. (W/		Plot page
										()		Measured	Reported	
					Bottom side	0	372000	1860	18.0	17.69	107.40%	1.280	1.375	230
			1 RB	1	Bottom side*	0	372000	1860	18.0	17.69	107.40%	1.110	1.192	-
			IKB	'	Bottom side	0	376000	1880	18.0	17.34	116.41%	1.150	1.339	-
					Bottom side	0	380000	1900	18.0	17.55	110.92%	1.060	1.176	-
NR n2	20MHz	Pi/2 BPSK		0	Bottom side	0	372000	1860	18.0	17.26	118.58%	1.140	1.352	-
INIX IIZ	20111112	FI/2 BF3K	50 RB	Ü	Bottom side	0	376000	1880	18.0	17.24	119.12%	1.070	1.275	-
				56	Bottom side	0	380000	1900	18.0	17.20	120.23%	1.080	1.298	-
					Bottom side	0	372000	1860	18.0	17.12	122.46%	0.930	1.139	-
			100	RB	Bottom side	0	376000	1880	18.0	17.28	118.03%	0.980	1.157	-
					Bottom side	0	380000	1900	18.0	17.27	118.30%	0.950	1.124	-
					Bottom side	0	166800	834	22.9	22.78	102.80%	1.040	1.069	-
			1 RB	1	Bottom side	0	167300	836.5	22.9	22.81	102.09%	1.110	1.133	231
		IND	'	Bottom side*	0	167300	836.5	22.9	22.81	102.09%	1.090	1.113	-	
		Pi/2 BPSK			Bottom side	0	167800	839	22.9	22.70	104.71%	0.960	1.005	-
NR n5	20MHz			0	Bottom side	0	167800	839	22.9	22.69	104.95%	1.060	1.113	-
CII ANI	ZUIVITZ		50 RB	28	Bottom side	0	166800	834	22.9	22.63	106.41%	0.980	1.043	-
				20	Bottom side	0	167300	836.5	22.9	22.68	105.20%	0.920	0.968	-
					Bottom side	0	166800	834	22.4	22.19	104.95%	0.950	0.997	-
			100	RB	Bottom side	0	167300	836.5	22.4	22.17	105.44%	0.910	0.959	-
					Bottom side	0	167800	839	22.4	22.16	105.68%	0.880	0.930	-
					Bottom side	0	141300	706.5	22.4	22.34	101.39%	1.210	1.227	232
			1 RB		Bottom side*	0	141300	706.5	22.4	22.34	101.39%	1.090	1.105	-
			IKB	1	Bottom side	0	141500	707.5	22.4	22.31	102.09%	1.140	1.164	-
					Bottom side	0	141700	708.5	22.4	22.28	102.80%	1.080	1.110	-
ND -40	45141-	D'/O DDOI		22	Bottom side	0	141700	708.5	22.4	22.19	104.95%	1.110	1.165	-
NR n12	15MHz	Pi/2 BPSK	36 RB	43	Bottom side	0	141300	706.5	22.4	22.27	103.04%	1.160	1.195	-
				43	Bottom side	0	141500	707.5	22.4	22.24	103.75%	1.090	1.131	-
					Bottom side	0	141300	706.5	22.4	21.63	119.40%	1.040	1.242	-
			75	RB	Bottom side	0	141500	707.5	22.4	21.73	116.68%	1.020	1.190	-
					Bottom side	0	141700	708.5	22.4	21.61	119.95%	1.018	1.221	-
					Bottom side	0	344000	1720	18.3	18.22	101.86%	1.220	1.243	233
			4.00		Bottom side*	0	344000	1720	18.3	18.22	101.86%	1.190	1.212	-
			1 RB	1	Bottom side	0	349000	1745	18.3	18.25	101.16%	1.150	1.163	-
					Bottom side	0	354000	1770	18.3	18.20	102.33%	1.080	1.105	-
		D: /0 DD01/		28	Bottom side	0	354000	1770	18.3	18.11	104.47%	1.060	1.107	-
NR n66	20MHz	Pi/2 BPSK	50 RB		Bottom side	0	344000	1720	18.3	18.19	102.57%	1.130	1.159	-
				56	Bottom side	0	349000	1745	18.3	18.16	103.28%	1.080	1.115	-
					Bottom side	0	344000	1720	18.3	18.05	105.93%	0.970	1.027	-
			100	RB	Bottom side	0	349000	1745	18.3	18.15	103.51%	1.050	1.087	-
	1		1		Bottom side	0	354000	1770	18.3	18.03	106.41%	0.940	1.000	-

^{* -} repeated at the highest SAR measurement according to the KDB 865664 D01

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Tx8-LTE FDD Band 2 / Band 7 / Band 42 / Band 48 / Band 66

Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling		Averaged SAR over 1g (W/kg)		
									Toloranco (abiii)	(02)		Measured	Reported		
					Top side	0	18700	1860	16.4	16.27	103.04%	0.652	0.672	-	
					Top side	0	18900	1880	16.4	16.29	102.57%	0.671	0.688	234	
			1 RB	0	Top side	0	19100	1900	16.4	16.22	104.23%	0.629	0.656	-	
					Back side	0	18900	1880	16.4	16.29	102.57%	0.302	0.310	-	
					Right side	0	18900	1880	16.4	16.29	102.57%	0.155	0.159	-	
LTE Band 2	20MHz	QPSK			Top side	0	18900	1880	16.4	16.19	104.95%	0.619	0.650	-	
Dallu Z			50 RB	0	Back side	0	18900	1880	16.4	16.19	104.95%	0.287	0.301	-	
					Right side	0	18900	1880	16.4	16.19	104.95%	0.145	0.152	-	
					Top side	0	19100	1900	16.4	16.08	107.65%	0.597	0.643	-	
			100) RB	Back side	0	19100	1900	16.4	16.08	107.65%	0.275	0.296	-	
					Right side	0	19100	1900	16.4	16.08	107.65%	0.136	0.146	-	
					Top side	0	20850	2510	11.6	11.45	103.51%	0.649	0.672	-	
					Top side	0	21100	2535	11.6	11.52	101.86%	0.689	0.702	235	
			1 RB	0	Top side	0	21350	2560	11.6	11.41	104.47%	0.632	0.660	-	
					Back side	0	21100	2535	11.6	11.52	101.86%	0.260	0.265	-	
LTE					Right side	0	21100	2535	11.6	11.52	101.86%	0.023	0.023	-	
Band 7	20MHz	QPSK			Top side	0	21100	2535	11.6	11.36	105.68%	0.563	0.595	-	
			50 RB	25	Back side	0	21100	2535	11.6	11.36	105.68%	0.234	0.247	-	
					Right side	0	21100	2535	11.6	11.36	105.68%	0.020	0.021	-	
					Top side	0	21100	2535	11.6	11.37	105.44%	0.534	0.563	-	
			100) RB	Back side	0	21100	2535	11.6	11.37	105.44%	0.224	0.236	-	
				Right side	0	21100	2535	11.6	11.37	105.44%	0.019	0.020	-		
					Top side	0	43190	3560	17.5	17.34	103.75%	0.613	0.636	-	
			l	_	Top side	0	43340	3575	17.5	17.30	104.71%	0.601	0.629	-	
			1 RB	0	Top side	0	43490	3590	17.5	17.41	102.09%	0.638	0.651	236	
					Back side	0	43490	3590	17.5	17.41	102.09%	0.273	0.279	-	
LTE		QPSK			Right side	0	43490	3590	17.5	17.41	102.09%	0.087	0.089	-	
Band 42	20MHz		50 DE		Top side	0	43190	3560	17.5	17.28	105.20%	0.582	0.612	-	
			50 RB	49	Back side	0	43190	3560	17.5	17.28	105.20%	0.256	0.269	-	
			100		Right side	0	43190	3560	17.5	17.28	105.20%	0.076	0.080	-	
					Top side	0	43340	3575	17.5	17.27	105.44%	0.575	0.606	-	
			100	RB	Back side	0	43340	3575	17.5	17.27	105.44%	0.241	0.254	-	
			-		Right side	0	43340	3575	17.5	17.27	105.44%	0.072	0.076	-	
					Top side	0	55340	3560	17.7	17.66	100.93%	0.649	0.655	237	
					Top side	0	55773	3603.3	17.7	17.52	104.23%	0.612	0.638	-	
			1 RB	0	Top side	0	56207	3646.7	17.7	17.47	105.44%	0.601	0.634	-	
					Top side	0	56640	3690	17.7 17.7	17.50	104.71%	0.607	0.636	-	
					Back side	0	55340 55340	3560 3560	17.7	17.66 17.66	100.93%	0.204 0.067	0.206 0.068	1	
LTE Band 48	20MHz	QPSK	-		Right side Top side	0	56640	3690	17.7	17.44	100.93%	0.067	0.618	- -	
Dallu 40			50 RB	25	Back side	0	56640	3690	17.7	17.44	106.17%	0.582	0.618	-	
			30 KB	23	Right side	0	56640	3690	17.7	17.44	106.17%	0.163	0.194	-	
			-		_	0	56207	3646.7	17.7	17.44	106.17%	0.053	0.056	H	
			100	RB	Top side Back side	0	56207	3646.7	17.7	17.40	107.15%	0.332	0.391	<u> </u>	
			100	ND		0	56207	3646.7	17.7	17.40	107.15%	0.173	0.188	Ė	
CA 48C	20MHz	QPSK	1RB	0	Right side Top side	0	55340	3560	17.7	17.40	107.15%	0.637	0.647		
UA_40U	ZUIVITZ	QI'ON	IIVD	J	Top side Top side	0	132072	1720	19.0	18.82	101.62%	0.642	0.669	-	
		l	l		Top side	0	132322	1745	19.0	18.90	102.33%	0.669	0.685	238	
		1	1 RB	0	Top side	0	132572	1770	19.0	18.80	104.71%	0.632	0.662	-	
		l			Back side	0	132322	1745	19.0	18.90	102.33%	0.239	0.245	-	
		1			Right side	0	132322	1745	19.0	18.90	102.33%	0.205	0.210	-	
LTE	20MHz	QPSK			Top side	0	132072	1720	19.0	18.75	105.93%	0.621	0.658	-	
Band 66	20.411 12	<u> </u>	50 RB	0	Back side	0	132072	1720	19.0	18.75	105.93%	0.021	0.225	<u> </u>	
				_	Right side	0	132072	1720	19.0	18.75	105.93%	0.187	0.198	-	
		l	—) RB	Top side	0	132572	1770	19.0	18.77	105.44%	0.607	0.640	-	
					DR										
			100) RB	Back side	0	132572	1770	19.0	18.77	105.44%	0.201	0.212	-	

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Tx8-5G NR n2 / n7 / n41 / n66

	O IVIN	112 / 1	<u> </u>		1 / 1100				1	1								
Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged S (W/		Plot page				
									Tolerance (abiii)	(dDiii)		Measured	Reported					
					Top side	0	372000	1860	18.0	17.73	106.41%	0.656	0.698	239				
					Top side	0	376000	1880	18.0	17.69	107.40%	0.611	0.656	-				
			1 RB	1	Top side	0	380000	1900	18.0	17.70	107.15%	0.632	0.677	-				
					Back side	0	372000	1860	18.0	17.73	106.41%	0.187	0.199	-				
					Right side	0	372000	1860	18.0	17.73	106.41%	0.063	0.067	-				
NR n2	20MHz	Pi/2 BPSK			Top side	0	376000	1880	18.0	17.66	108.14%	0.587	0.635	-				
			50 RB	0	Back side	0	376000	1880	18.0	17.66	108.14%	0.161	0.174	-				
					Right side	0	376000	1880	18.0	17.66	108.14%	0.047	0.051	-				
					Top side	0	372000	1860	18.0	17.62	109.14%	0.563	0.614	-				
			100	RB	Back side	0	372000	1860	18.0	17.62	109.14%	0.152	0.166	-				
					Right side	0	372000	1860	18.0	17.62	109.14%	0.042	0.046	-				
					Top side	0	502000	2510	11.8	11.67	103.04%	0.656	0.676	-				
					Top side	0	507000	2535	11.8	11.59	104.95%	0.632	0.663	-				
			1 RB	1	Top side	0	512000	2560	11.8	11.68	102.80%	0.673	0.692	240				
					Back side	0	512000	2560	11.8	11.68	102.80%	0.121	0.124	·				
					Right side	0	512000	2560	11.8	11.68	102.80%	0.075	0.077	·				
NR n7	20MHz	Pi/2 BPSK			Top side	0	507000	2535	11.8	11.57	105.44%	0.627	0.661	•				
			50 RB	56	Back side	0	507000	2535	11.8	11.57	105.44%	0.111	0.117	·				
					Right side	0	507000	2535	11.8	11.57	105.44%	0.067	0.071	٠				
					Top side	0	512000	2560	11.8	11.42	109.14%	0.593	0.647	•				
			100) RB	Back side	0	512000	2560	11.8	11.42	109.14%	0.102	0.111	·				
					Right side	0	512000	2560	11.8	11.42	109.14%	0.057	0.063	•				
					Top side	0	509202	2546.01	12.5	12.35	103.51%	0.631	0.653	٠				
		Pi/2 BPSK							Top side	0	518598	2592.99	12.5	12.38	102.80%	0.658	0.676	241
			1 RB	1	Top side	0	528000	2640	12.5	12.30	104.71%	0.612	0.641	-				
					Back side	0	518598	2592.99	12.5	12.38	102.80%	0.276	0.284	-				
					Right side	0	518598	2592.99	12.5	12.38	102.80%	0.046	0.047	-				
NR n41	100MHz		405		Top side	0	518598	2592.99	12.5	12.29	104.95%	0.604	0.634	-				
			135 RB	69	Back side	0	518598	2592.99	12.5	12.29	104.95%	0.255	0.268	-				
			KB	70 RB	Right side	0	518598	2592.99	12.5	12.29	104.95%	0.039	0.041	-				
					Top side	0	528000	2640	12.5	12.17	107.89%	0.576	0.621	-				
			270		Back side	0	528000	2640	12.5	12.17	107.89%	0.213	0.230	-				
					Right side	0	528000	2640	12.5	12.17	107.89%	0.030	0.032	-				
					Top side	0	509202	2546.01	14.9	14.72	104.23%	0.657	0.685	242				
					Top side	0	518598	2592.99	14.9	14.62	106.66%	0.632	0.674	-				
			1 RB	1	Top side	0	528000	2640	14.9	14.66	105.68%	0.643	0.680	-				
					Back side	0	509202	2546.01	14.9	14.72	104.23%	0.278	0.290	-				
					Right side	0	509202	2546.01	14.9	14.72	104.23%	0.075	0.078	-				
NR n41	100MHz	Pi/2 BPSK			Top side	0	528000	2640	14.9	14.57	107.89%	0.621	0.670	-				
(HPUE)			135	0	Back side	0	528000	2640	14.9	14.57	107.89%	0.245	0.264	-				
			RB		Right side	0	528000	2640	14.9	14.57	107.89%	0.070	0.076	-				
					Top side	0	509202	2546.01	14.9	14.07	121.06%	0.617	0.747	-				
			270	RB	Back side	0	509202	2546.01	14.9	14.07	121.06%	0.214	0.259	-				
					Right side	0	509202	2546.01	14.9	14.07	121.06%	0.068	0.082	-				
					Top side	0	344000	1720	13.8	13.66	103.28%	0.673	0.695	-				
		1		1	Top side	0	349000	1745	13.8	13.68	102.80%	0.687	0.706	243				
		1	1 RB	1	Top side	0	354000	1770	13.8	13.62	104.23%	0.661	0.689	-				
		1		1	Back side	0	349000	1745	13.8	13.68	102.80%	0.376	0.387	-				
		l	l		Right side	0	349000	1745	13.8	13.68	102.80%	0.118	0.121	-				
NR n66	20MHz	Pi/2 BPSK		1	Top side	0	349000	1745	13.8	13.57	105.44%	0.643	0.121	-				
	201411 12	. 1/2 DI SIK	50 RB	0	Back side	0	349000	1745	13.8	13.57	105.44%	0.325	0.343	÷				
		l	JO IND		Right side	0	349000	1745	13.8	13.57	105.44%	0.323	0.343	-				
		1	—	1	Top side	0	354000	1745	13.8	13.57	105.44%	0.103	0.109	-				
		1	100	RB	Back side	0	354000	1770	13.8	13.59	104.95%	0.614	0.644	-				
		l	100	, IVD										-				
					Right side	0	354000	1770	13.8	13.59	104.95%	0.098	0.102	-				

Note:

$$Scaling = \frac{\text{reported SAR}}{\text{measured SAR}} = \frac{\text{P2(mW)}}{\text{P1(mW)}} = 10^{\left(\frac{\text{P2-P1}}{\text{10}}\right)(\text{dBm})}$$

Reported SAR = measured SAR * (scaling)

Where P2 is maximum specified power, P1 is measured conducted power

2.3 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

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3. Simultaneous Transmission Analysis

Simultaneous Transmission Scenarios:

NO.	Simultaneous Transmit Configurations	Body
1	WWAN + 2.4GHz MIMO	YES
2	WWAN + 5GHz MIMO	YES
3	WWAN + BT + 5GHz MIMO	YES
4	WWAN + 2.4GHz WLAN Tx1	YES
5	WWAN + 2.4GHz WLAN Tx2 + BT Tx1	YES
6	WWAN + 5GHz WLAN Tx2 + BT Tx1	YES
7	WWAN + 5GHz WLAN Tx1 + BT Tx1	YES

Note:

1. The Intel AX201D2W WLAN/BT module is also integrated into this host, WLAN/BT power and WLAN SAR testing data, which can be referred to Intel SAR test report, Report No.:200903-03.TR01(FCC ID:PD9AX201D2) and these results are used for simultaneous transmission analysis. 2. According to Intel SAR report, the test positions and 1g SAR result used for the testing below are based on the SISO standalone WLAN SAR result. When the MIMO operation active will be reduced by 3dB within each SISO operation, therefore the MIMO SAR was estimated based on SISO standalone results to perform the simultaneous transmission analysis with WWAN operation.

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3.1 Estimated SAR calculation

According to KDB447498 D01v06 – When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

Estimated SAR =
$$\frac{\text{Max.tune up power (mW)}}{\text{Min. test separation distance(mm)}} \times \frac{\sqrt{\text{f(GHz)}}}{7.5}$$

If the minimum test separation distance is < 5mm, a distance of 5mm is used for estimated SAR calculation. When the test separation distance is >50mm, the 0.4W/kg is used for SAR-1g.

3.2 SPLSR evaluation and analysis

Per KDB447498D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR sum to peak location separation ratio(SPLSR).

The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion.

The ratio is determined by (SAR1 + SAR2)^1.5/Ri, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

SAR1 and SAR2 are the highest reported or estimated SAR for each antenna in the pair, and Ri is the separation distance between the peak SAR locations for the antenna pair in mm.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna.

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Tx5 antenna (Tablet mode)

		1	1	1	ı							1				1	ı	
	_	1	2	3	4	5	6	7	8	9	10	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7
WWAN	Exposure position 1g(W/kg)	WWAN	WLAN 2.4GHz	WLAN 2.4GHz	WLAN 5GHz	WLAN 5GHz	BT	WLAN 2.4GHz	WLAN 2.4GHz	WLAN 5GHz	WLAN 5GHz	1+7+8	1+9+10	1+6+9+10	1+3	1+2+6	1+4+6	1+5+6
		Tx5	SISO(Tx2)	SISO(Tx1)	SISO(Tx2)	SISO(Tx1)	(Tx1)	MIMO(Tx2)	MIMO(Tx1)	MIMO(Tx2)	MIMO(Tx1)	Sum	Sum	Sum	Sum	Sum	Sum	Sum
F	Top side Back side	0.139 1.140	0.700 0.130	0.430	0.710 0.060	0.710	0.090	0.350	0.215 0.025	0.355	0.355 0.025	0.704 1.230	0.849 1.195	0.939 1.205	0.569 1.190	0.929 1.280	0.939 1.210	0.939 1.200
WCDMA Band II	Right side Left side	0.474	0.310	- :	0.150	-		0.155		0.075	- :	0.155 0.474	0.075 0.474	0.075 0.474	0.474	0.310 0.474	0.150 0.474	0.474
	Bottom side	0.400	-	-	-	-	-	-			-	0.400	0.400	0.400	0.400	0.400	0.400	0.400
F	Top side Back side	0.102 1.103	0.700	0.430	0.710	0.710	0.090	0.350	0.215 0.025	0.355	0.355 0.025	0.667 1.193	0.812 1.158	0.902 1.168	0.532 1.153	0.892 1.243	0.902 1.173	0.902 1.163
WCDMA Band IV	Right side Left side	0.623	0.310	- :	0.150	-		0.155		0.075	- :	0.155 0.623	0.075 0.623	0.075 0.623	0.623	0.310 0.623	0.150 0.623	0.623
	Bottom side	0.400										0.400	0.400	0.400	0.400	0.400	0.400	0.400
t	Top side Back side	0.114 1.115	0.700 0.130	0.430 0.050	0.710 0.060	0.710 0.050	0.090	0.350 0.065	0.215 0.025	0.355	0.355 0.025	0.679 1.205	0.824 1.170	0.914 1.180	0.544 1.165	0.904 1.255	0.914 1.185	0.914 1.175
WCDMA Band V	Right side Left side	0.955	0.310	-	0.150	-	-	0.155	-	0.075	-	0.155 0.955	0.075 0.955	0.075 0.955	0.955	0.310 0.955	0.150 0.955	0.955
	Bottom side Top side	0.400 0.150	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	0.400 0.715	0.400 0.860	0.400 0.950	0.400	0.400	0.400 0.950	0.400 0.950
LTE Band 2	Back side	1.145	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	1.235	1.200	1.210	1.195	1.285	1.215	1.205
LIE Band 2	Right side Left side	0.592	0.310	-	0.150		-	0.155		0.075	-	0.155 0.592	0.075 0.592	0.075 0.592	0.592	0.310 0.592	0.150 0.592	0.592
	Bottom side Top side	0.400 0.132	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	0.400 0.697	0.400 0.842	0.400 0.932	0.400 0.562	0.400 0.922	0.400 0.932	0.400 0.932
LTE Band 4	Back side	1.128	0.130	0.050	0.060	0.050	0.010	0.065 0.155	0.025	0.030	0.025	1.218	1.183	1.193	1.178	1.268	1.198 0.150	1.188
LIE Band 4	Right side Left side	0.658	0.310	-	0.150		-	0.155		0.075		0.155 0.658	0.075 0.658	0.075 0.658	0.658	0.310 0.658	0.658	0.658
	Bottom side Top side	0.400 0.137	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	0.400 0.702	0.400 0.847	0.400 0.937	0.400 0.567	0.400 0.927	0.400 0.937	0.400 0.937
LTE Band 5	Back side Right side	1.093	0.130 0.310	0.050	0.060 0.150	0.050	0.010	0.065 0.155	0.025	0.030 0.075	0.025	1.183 0.155	1.148 0.075	1.158 0.075	1.143	1.233 0.310	1.163 0.150	1.153
ETE Band 3	Left side	0.923	0.310		0.150			0.155		-		0.923	0.923	0.923	0.923	0.923	0.923	0.923
	Bottom side Top side	0.400	0.700 0.130	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	0.400 0.634 1.195	0.400	0.400 0.869 1.170	0.400	0.400	0.400 0.869 1.175	0.400
LTE Band 7	Back side Right side	1.105	0.130 0.310	0.050	0.060 0.150	0.050	0.010	0.065 0.155	0.025	0.030 0.075	0.025	1.195 0.155	1.160 0.075	1.170 0.075	1.155	1.245 0.310	1.175 0.150	1.165
	Left side	0.320	-	-	-	-	-	-	-	-	-	0.320 0.400	0.320 0.400	0.320 0.400	0.320	0.320 0.400	0.320	0.320 0.400
	Bottom side Top side	0.400 0.116	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	0.681	0.826	0.916	0.546	0.906	0.916	0.916
LTE Band 12	Back side Right side	1.125	0.130 0.310	0.050	0.060 0.150	0.050	0.010	0.065 0.155	0.025	0.030	0.025	1.215 0.155	1.180 0.075	1.190 0.075	1.175	1.265 0.310	1.195 0.150	1.185
-	Left side Bottom side	0.983 0.400	-	-	-	-	-	-	-	-	-	0.983 0.400	0.983 0.400	0.983 0.400	0.983 0.400	0.983 0.400	0.983 0.400	0.983 0.400
	Top side	0.126	0.700 0.130	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355 0.025	0.691	0.836	0.926	0.556	0.916	0.926	0.926
LTE Band 13	Back side Right side	1.201	0.130	0.050	0.060 0.150	0.050	0.010	0.065 0.155	0.025	0.030	0.025	1.291 0.155	1.256 0.075	1.266 0.075	1.251	1.341 0.310	1.271 0.150	1.261
	Left side Bottom side	0.907 0.400	- :	- :	- :	- :	- :	-		-	- :	0.907	0.907 0.400	0.907 0.400	0.907	0.907	0.907	0.907
	Top side Back side	0.120	0.700	0.430 0.050	0.710	0.710 0.050	0.090	0.350	0.215 0.025	0.355	0.355 0.025	0.685	0.830	0.920 1.257	0.550 1.242	0.910	0.920	0.920 1.252
LTE Band 14	Right side	-	0.130	0.050	0.150	0.050	0.010	0.065	0.025	0.030	0.025	0.155	0.075	0.075	-	0.310	0.150	-
H	Left side Bottom side	1.059 0.400	-	-	-	-	-	-	-	-:-	-	1.059	1.059 0.400	1.059 0.400	1.059 0.400	1.059 0.400	1.059 0.400	1.059 0.400
	Top side Back side	0.121 1.218	0.700 0.130	0.430 0.050	0.710 0.060	0.710 0.050	0.090	0.350 0.065	0.215 0.025	0.355 0.030	0.355 0.025	0.686 1.308	0.831 1.273	0.921 1.283	0.551 1.268	0.911 1.358	0.921 1.288	0.921 1.278
LTE Band 17	Right side	-	0.310	-	0.150	-	-	0.155	-	0.075	-	0.155	0.075	0.075		0.310	0.150	
	Left side Bottom side	0.953 0.400	-	-	-		-		-		-	0.953	0.953	0.953	0.953	0.953	0.953	0.953 0.400
H	Top side Back side	0.085 1.066	0.700 0.130	0.430 0.050	0.710 0.060	0.710 0.050	0.090	0.350	0.215 0.025	0.355	0.355 0.025	0.650 1.156	0.795 1.121	0.885 1.131	0.515 1.116	0.875 1.206	0.885 1.136	0.885 1.126
LTE Band 25	Right side	0.301	0.130 0.310	-	0.150	-	-	0.065 0.155		0.030 0.075	-	1.156 0.155	1.121 0.075	1.131 0.075	0.301	0.310	1.136 0.150	0.301
	Left side Bottom side	0.400	-	-	÷		-			-	-	0.301 0.400	0.301 0.400	0.301 0.400	0.400	0.301 0.400	0.301 0.400	0.400
t	Top side Back side	0.124 1.228	0.700 0.130	0.430 0.050	0.710 0.060	0.710	0.090	0.350 0.065	0.215 0.025	0.355	0.355 0.025	0.689 1.318	0.834 1.283	0.924 1.293	0.554 1.278	0.914 1.368	0.924 1.298	0.924 1.288
LTE Band 26	Right side Left side	1.146	0.310	-	0.150	-	-	0.155		0.075	-	0.155 1.146	0.075 1.146	0.075 1.146	1.146	0.310 1.146	0.150 1.146	1.146
	Bottom side	0.400 0.104	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	0.400 0.669	0.400 0.814	0.400 0.904	0.400 0.534	0.400 0.894	0.400 0.904	0.400 0.904
	Top side Back side	1.199	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	1.289 0.155	1.254	1.264	1.249	1.339	1.269 0.150	1.259
LTE Band 30	Right side Left side	0.455	0.310	-	0.150	-	-	0.155		0.075	-	0.455	0.075	0.075 0.455	0.455	0.310 0.455	0.455	0.455
	Bottom side Top side	0.400	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	0.400 0.593	0.400 0.738	0.400 0.828	0.400	0.400 0.818	0.400 0.828	0.400 0.828
LTE Band 38	Back side Right side	1.177	0.130 0.310	0.050	0.060 0.150	0.050	0.010	0.065 0.155	0.025	0.030 0.075	0.025	1.267 0.155	1.232	1.242 0.075	1.227	1.317	1.247 0.150	1.237
ETE Band 30	Left side	0.492	0.310	-	0.130		-	0.133		-	-	0.492	0.492	0.492	0.492	0.492	0.492	0.492
	Bottom side Top side	0.400 0.023	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	0.400 0.588	0.400	0.400 0.823	0.400 0.453	0.400 0.813	0.400 0.823	0.400 0.823
LTE Band 41	Back side Right side	1.154	0.130 0.310	0.050	0.060 0.150	0.050	0.010	0.065 0.155	0.025	0.030	0.025	1.244 0.155	1.209 0.075	1.219 0.075	1.204	1.294 0.310	1.224 0.150	1.214
	Left side Bottom side	0.427		-	-	-	-	-	-		-	0.427 0.400	0.427	0.427	0.427	0.427 0.400	0.427	0.427 0.400
	Top side	0.025	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	0.590	0.735	0.825	0.455	0.815	0.825	0.825
LTE Band 41(HPUE)	Back side Right side	1.197	0.130 0.310	0.050	0.060 0.150	0.050	0.010	0.065 0.155	0.025	0.030 0.075	0.025	1.287 0.155	1.252 0.075	1.262 0.075	1.247	1.337 0.310	1.267 0.150	1.257
Ţ	Left side Bottom side	0.464						-				0.464	0.464	0.464	0.464	0.464	0.464	0.464
	Top side Back side	0.123	0.700 0.130	0.430	0.710 0.060	0.710	0.090	0.350	0.215 0.025	0.355	0.355 0.025	0.688	0.833	0.923	0.553	0.913	0.923	0.923
LTE Band 66	Right side		0.130	0.050	0.060	0.050	0.010	0.065 0.155	0.025	0.030	U.UZ5 -	0.155	1.227 0.075	1.237 0.075	1.222	0.310	0.150	-
	Left side Bottom side	0.540					E					0.540	0.540 0.400	0.540	0.540	0.540	0.540	0.540 0.400
	Top side Back side	0.060 1.169	0.700 0.130	0.430 0.050	0.710 0.060	0.710 0.050	0.090	0.350 0.065	0.215 0.025	0.355	0.355 0.025	0.625 1.259	0.770 1.224	0.860 1.234	0.490 1.219	0.850 1.309	0.860 1.239	0.860 1.229
NR n2	Right side	-	0.310		0.150		-	0.155	-	0.030		0.155	0.075	0.075	-	0.310	0.150	-
	Left side Bottom side	0.330	-				Ė					0.330 0.400	0.330	0.330 0.400	0.330	0.330 0.400	0.330 0.400	0.330 0.400
L	Top side Back side	0.091 1.064	0.700 0.130	0.430	0.710 0.060	0.710 0.050	0.090	0.350 0.065	0.215 0.025	0.355	0.355 0.025	0.656 1.154	0.801 1.119	0.891 1.129	0.521 1.114	0.881 1.204	0.891 1.134	0.891 1.124
	Right side	0.775	0.310		0.150			0.155		0.075		0.155 0.775	0.075 0.775	0.075 0.775	0.775	0.310 0.775	0.150 0.775	0.775
NR n5					0.710	0.710	-	0.050		0.055		0.400	0.400	0.400	0.400	0.400	0.400	0.400
NR n5	Left side Bottom side	0.400				0.710	0.090	0.350	0.215 0.025	0.355	0.355 0.025	0.628 1.288	0.773 1.253	0.863	0.493	0.853	0.863	0.863 1.258
	Left side Bottom side Top side Back side	0.400 0.063 1.198	0.700 0.130	0.430 0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.020		1.200	1.263	1.248	1.338	1.268	
NR n5 NR n12	Left side Bottom side Top side Back side Right side	0.063 1.198				0.050	0.010	0.065	0.025	0.075	-	0.155	0.075	0.075	1.248	0.310	0.150	1.168
	Left side Bottom side Top side Back side Right side Left side Bottom side	0.063 1.198 - 1.168 0.400	0.130 0.310	0.050	0.060 0.150	-	-	0.155		0.075	-	0.155 1.168 0.400	0.075 1.168 0.400	0.075 1.168 0.400	1.168 0.400	0.310 1.168 0.400	0.150 1.168 0.400	0.400
NR n12	Left side Bottom side Top side Back side Right side Left side Bottom side Top side Back side	0.063 1.198 - 1.168	0.130 0.310 - 0.700 0.130		0.060 0.150 - - 0.710 0.060	0.050 - - - 0.710 0.050	0.010 - - - 0.090 0.010	0.155 - - - - - - - - - - - - - - - - - -	0.025 - - - 0.215 0.025	0.075 - 0.355 0.030	0.355 0.025	0.155 1.168 0.400 0.623	0.075 1.168 0.400 0.768 1.246	0.075 1.168 0.400 0.858 1.256	1.168	0.310 1.168 0.400 0.848 1.331	0.150 1.168 0.400 0.858 1.261	
	Left side Bottom side Top side Back side Right side Left side Bottom side Top side	0.063 1.198 - 1.168 0.400 0.058	0.130 0.310 - - 0.700	0.050	0.060 0.150 - - 0.710	0.710	0.090	0.155	0.215	0.075	0.355	0.155 1.168 0.400	0.075 1.168 0.400 0.768	0.075 1.168 0.400 0.858	1.168 0.400 0.488	0.310 1.168 0.400 0.848	0.150 1.168 0.400 0.858	0.400 0.858

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Tx5 antenna (Notebook mode)

	Exposure	1	2	3	4	5	6	7	8	9	10	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7
WWAN	position 1g(W/kg)	WWAN Tx5	WLAN 2.4GHz SISO(Tx2)	WLAN 2.4GHz SISO(Tx1)	WLAN 5GHz SISO(Tx2)	WLAN 5GHz SISO(Tx1)	BT Aux (Tx1)	WLAN 2.4GHz MIMO(Tx2)	WLAN 2.4GHz MIMO(Tx1)	WLAN 5GHz MIMO(Tx2)	WLAN 5GHz MIMO(Tx1)	1+7+8 Sum	1+9+10 Sum	1+6+9+10 Sum	1+3 Sum	1+2+6 Sum	1+4+6 Sum	1+5+6 Sum
WCDMA Band II	Bottom side	1.150	-	-	-	-	-	-	-		-	1.150	1.150	1.150	1.150	1.150	1.150	1.150
WCDMA Band IV	Bottom side	1.143	-	-	-	-	-	-	-	-	-	1.143	1.143	1.143	1.143	1.143	1.143	1.143
WCDMA Band V	Bottom side	1.120										1.120	1.120	1.120	1.120	1.120	1.120	1.120
LTE Band 2	Bottom side	1.110	-	-	-	-		-	-		-	1.110	1.110	1.110	1.110	1.110	1.110	1.110
LTE Band 4	Bottom side	1.045	-	-		-	-	-	-		-	1.045	1.045	1.045	1.045	1.045	1.045	1.045
LTE Band 5	Bottom side	1.359	-	-	-	-		-	-	-	-	1.359	1.359	1.359	1.359	1.359	1.359	1.359
LTE Band 7	Bottom side	1.231	-	-	-	-		-	-		-	1.231	1.231	1.231	1.231	1.231	1.231	1.231
LTE Band 12	Bottom side	1.087	-	-		-	-	-	-		-	1.087	1.087	1.087	1.087	1.087	1.087	1.087
LTE Band 13	Bottom side	1.178	-	-	-	-		-	-	-	-	1.178	1.178	1.178	1.178	1.178	1.178	1.178
LTE Band 14	Bottom side	1.230		-								1.230	1.230	1.230	1.230	1.230	1.230	1.230
LTE Band 17	Bottom side	1.249	-	-	-	-	-	-	-		-	1.249	1.249	1.249	1.249	1.249	1.249	1.249
LTE Band 25	Bottom side	1.077	-	-	-	-	-	-	-	-	-	1.077	1.077	1.077	1.077	1.077	1.077	1.077
LTE Band 26	Bottom side	1.237										1.237	1.237	1.237	1.237	1.237	1.237	1.237
LTE Band 30	Bottom side	1.247	-	-	-	-	-	-	-		-	1.247	1.247	1.247	1.247	1.247	1.247	1.247
LTE Band 38	Bottom side	1.204		-								1.204	1.204	1.204	1.204	1.204	1.204	1.204
LTE Band 41	Bottom side	1.199	-	-	-	-	-	-	-		-	1.199	1.199	1.199	1.199	1.199	1.199	1.199
LTE Band 41(HPUE)	Bottom side	1.228	-	-	-	-		-	-		-	1.228	1.228	1.228	1.228	1.228	1.228	1.228
LTE Band 66	Bottom side	1.185	-	-		-	-	-	-		-	1.185	1.185	1.185	1.185	1.185	1.185	1.185
NR n2	Bottom side	1.375	-	-	-	-	-	-	-		-	1.375	1.375	1.375	1.375	1.375	1.375	1.375
NR n5	Bottom side	1.133	-	-	-	-		-	-	-	-	1.133	1.133	1.133	1.133	1.133	1.133	1.133
NR n12	Bottom side	1.242	-	-	-	-	-	-	-		-	1.242	1.242	1.242	1.242	1.242	1.242	1.242
NR n66	Bottom side	1 243		_	_		_	_		_	_	1 243	1 243	1 243	1 243	1 243	1 243	1 243

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Tx8 antenna (Tablet mode)

	Exposure	1	2	3	4	5	6	7	8	9	10	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7
WWAN	position 1g(W/kg)	WWAN Tx8	WLAN 2.4GHz SISO(Tx2)	WLAN 2.4GHz SISO(Tx1)	WLAN 5GHz SISO(Tx2)	WLAN 5GHz SISO(Tx1)	BT Aux (Tx1)	WLAN 2.4GHz MIMO(Tx2)	WLAN 2.4GHz MIMO(Tx1)	WLAN 5GHz MIMO(Tx2)	WLAN 5GHz MIMO(Tx1)	1+7+8 Sum	1+9+10 Sum	1+6+9+10 Sum	1+3 Sum	1+2+6 Sum	1+4+6 Sum	1+5+6 Sum
	Top side	0.688	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.253	1.398	1.488	1.118	1.478	1.488	1.488
LTE Band 2	Back side	0.310	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.400	0.365	0.375	0.360	0.450	0.380	0.370
	Right side	0.159	0.310	-	0.150			0.155	-	0.075		0.314	0.234	0.234	0.159	0.469	0.309	0.159
	Top side	0.702	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.267	1.412	1.502	1.132	1.492	1.502	1.502
LTE Band 7	Back side	0.265	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.355	0.320	0.330	0.315	0.405	0.335	0.325
	Right side	0.023	0.310	-	0.150	-	-	0.155	-	0.075		0.178	0.098	0.098	0.023	0.333	0.173	0.023
	Top side	0.651	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.216	1.361	1.451	1.081	1.441	1.451	1.451
LTE Band 42	Back side	0.279	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.369	0.334	0.344	0.329	0.419	0.349	0.339
	Right side	0.089	0.310	-	0.150	-	-	0.155	-	0.075	-	0.244	0.164	0.164	0.089	0.399	0.239	0.089
	Top side	0.655	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.220	1.365	1.455	1.085	1.445	1.455	1.455
LTE Band 48	Back side	0.206	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.296	0.261	0.271	0.256	0.346	0.276	0.266
	Right side	0.068	0.310	-	0.150	-	-	0.155	-	0.075	-	0.223	0.143	0.143	0.068	0.378	0.218	0.068
	Top side	0.685	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.250	1.395	1.485	1.115	1.475	1.485	1.485
LTE Band 66	Back side	0.245	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.335	0.300	0.310	0.295	0.385	0.315	0.305
	Right side	0.210	0.310	-	0.150	-	-	0.155	-	0.075	-	0.365	0.285	0.285	0.210	0.520	0.360	0.210
	Top side	0.698	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.263	1.408	1.498	1.128	1.488	1.498	1.498
NR n2	Back side	0.199	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.289	0.254	0.264	0.249	0.339	0.269	0.259
	Right side	0.067	0.310	-	0.150	-	-	0.155	-	0.075	-	0.222	0.142	0.142	0.067	0.377	0.217	0.067
	Top side	0.692	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.257	1.402	1.492	1.122	1.482	1.492	1.492
NR n7	Back side	0.124	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.214	0.179	0.189	0.174	0.264	0.194	0.184
	Right side	0.077	0.310	-	0.150	-	-	0.155	-	0.075	-	0.232	0.152	0.152	0.077	0.387	0.227	0.077
	Top side	0.676	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.241	1.386	1.476	1.106	1.466	1.476	1.476
NR n41	Back side	0.284	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.374	0.339	0.349	0.334	0.424	0.354	0.344
	Right side	0.047	0.310	-	0.150	-	-	0.155		0.075	-	0.202	0.122	0.122	0.047	0.357	0.197	0.047
	Top side	0.747	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.312	1.457	1.547	1.177	1.537	1.547	1.547
NR n41(HPUE)	Back side	0.290	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.380	0.345	0.355	0.340	0.430	0.360	0.350
	Right side	0.082	0.310		0.150			0.155		0.075		0.237	0.157	0.157	0.082	0.392	0.232	0.082
	Top side	0.706	0.700	0.430	0.710	0.710	0.090	0.350	0.215	0.355	0.355	1.271	1.416	1.506	1.136	1.496	1.506	1.506
NR n66	Back side	0.387	0.130	0.050	0.060	0.050	0.010	0.065	0.025	0.030	0.025	0.477	0.442	0.452	0.437	0.527	0.457	0.447
	Right side	0.121	0.310		0.150			0.155		0.075		0.276	0.196	0.196	0.121	0.431	0.271	0.121

Conclusion:

Simultaneous transmission SAR measurement (Volume Scan) is not required because either the sum of the 1-g SAR is < 1.6 W/kg or the SPLSR is \leq 0.04 for all circumstances that require SPLSR calculation.

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4. Instruments List

Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration
SPEAG	Dosimetric E-Field Probe	EX3DV4	7509	Mar.25,2020	
		D750V3	1015	Aug.13,2020	Aug.12,2021
		D835V2	4d063	Aug.13,2020	Aug.12,2021
		D1750V2	1008	Aug.14,2020	Aug.13,2021
00540	System Validation	D1900V2	5d173	Apr.22,2020	Apr.21,2021
SPEAG	Dipole	D2300V2	1023	Aug.13,2020	Aug.12,2021
		D2600V2	1005	Jan.29,2020	Jan.28,2021
		D3500V2	1009	Aug.12,2020	Aug.11,2021
		D3700V2	1057	Nov.04,2019	Nov.03,2020
SPEAG	Data acquisition Electronics	DAE4	877	Mar.17,2020	Mar.16,2021
SPEAG	Software	DASY 52 V52.10.4	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration
Agilent	Network Analyzer	E5071C	MY46100433	Dec.13,2019	Dec.12,2020
Agilent	Dielectric Probe Kit	85070E	MY44300677	Calibration not required	Calibration not required
Agilopt	Dual-directional	772D	MY46151242	Aug.17,2020	Aug.16,2021
Agilent	coupler	778D	MY48220468	Aug.17,2020	Aug.16,2021
Agilent	RF Signal Generator	N5181A	MY50141235	May.04,2020	May.03,2021
Agilent	Power Meter	E4417A	MY51410006	Mar.09,2020	Mar.08,2021
A ail a a t	Power Sensor		MY51470001	Mar.09,2020	Mar.08,2021
Agilent	I OWEL SELISOI	E9301H	MY51470002	Mar.09,2020	Mar.08,2021

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Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration
TECPEL	Digital thermometer	DTM-303A	TP130074	Apr.10,2020	Apr.09,2021
Anritsu	Radio Communication Test	MT8820C	6201061049	Dec.08,2019	Dec.07,2020
R&S	Radio Communication Test	CMW 500	125470	Dec.11,2019	Dec.10,2020

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5. Measurements

Report No.: ES/2020/90007

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Date: 2020/10/7

Report No. :ES202090007

WCDMA Bamd II Body Back side CH 9400 0mm

Communication System: WCDMA; Frequency: 1880 MHz; Duty cycle= 1:1

Medium parameters used: f = 1880 MHz; σ = 1.403 S/m; ε_r = 39.568; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 23.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(8.07, 8.07, 8.07) @ 1880 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.152 V/m; Power Drift = 0.09 dB

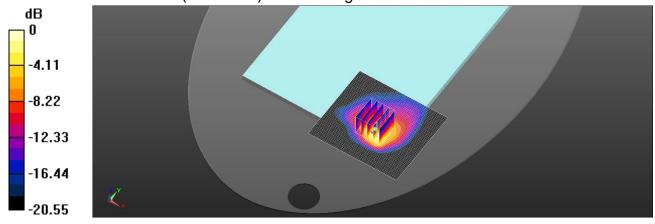
Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.752 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.9%

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.18 dBW/kg

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Date: 2020/10/6

Report No. :ES202090007

WCDMA Bamd IV_Body_Back side_CH 1312_0mm

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty cycle= 1:1

Medium parameters used: f = 1712.4 MHz; $\sigma = 1.313 \text{ S/m}$; $\epsilon_r = 41.133$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.1°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.34, 8.34, 8.34) @ 1712.4 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.360 V/m; Power Drift = 0.18 dB

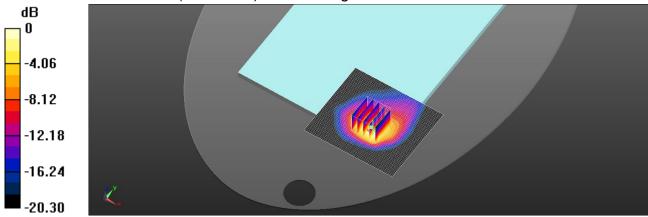
Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.722 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 43.7%

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

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Date: 2020/10/5

Report No.: ES202090007

WCDMA Band V_Body_Back side_CH 4132_0mm

Communication System: WCDMA; Frequency: 826.4 MHz; Duty cycle= 1:1

Medium parameters used: f = 826.4 MHz; $\sigma = 0.912 \text{ S/m}$; $\varepsilon_r = 42.213$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 23.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.73, 9.73, 9.73) @ 826.4 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.34 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.154 V/m; Power Drift = 0.11 dB

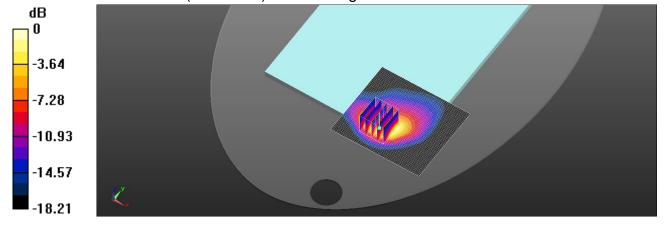
Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.599 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 53%

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.46 W/kg = 1.65 dBW/kg

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Date: 2020/10/7

Report No.: ES202090007

LTE Band 2 (20MHz)_Body_Back side_CH 18900_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1880 MHz; Duty cycle= 1:1

Medium parameters used: f = 1880 MHz; $\sigma = 1.403 \text{ S/m}$; $\varepsilon_r = 39.568$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.07, 8.07, 8.07) @ 1880 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.490 V/m; Power Drift = 0.14 dB

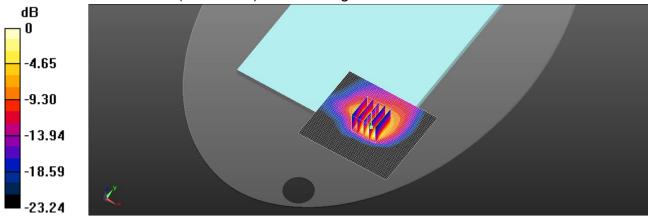
Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.730 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 73.4%

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.78 dBW/kg

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Date: 2020/10/6

Report No.: ES202090007

LTE Band 4 (20MHz)_Body_Back side_CH 20300_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used: f = 1745 MHz; $\sigma = 1.352 \text{ S/m}$; $\varepsilon_r = 40.858$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.1°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.34, 8.34, 8.34) @ 1745 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.24 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.170 V/m; Power Drift = 0.17 dB

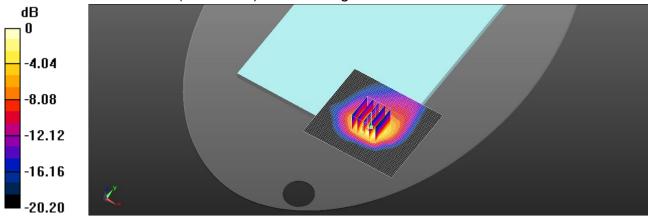
Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.727 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 66.6%

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.42 dBW/kg

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Date: 2020/10/5

Report No.: ES202090007

LTE Band 5 (10MHz)_Body_Back side_CH 20450_QPSK_1-0_0mm

Communication System: LTE; Frequency: 829 MHz; Duty cycle= 1:1

Medium parameters used: f = 829 MHz; $\sigma = 0.913$ S/m; $\varepsilon_r = 42.144$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 23.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN3770; ConvF(9.5, 9.5, 9.5) @ 829 MHz; Calibrated: 2020/05/27

- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2019/10/11
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.280 V/m; Power Drift = 0.11 dB

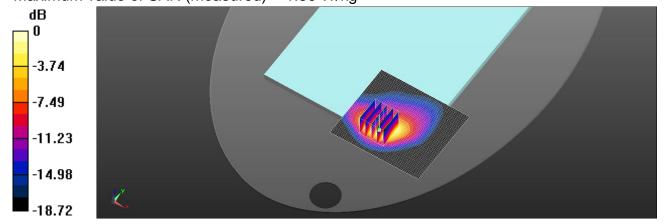
Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.582 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 51.3%

Maximum value of SAR (measured) = 1.50 W/kg



0 dB = 1.50 W/kg = 1.75 dBW/kg

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Date: 2020/10/9

Report No. :ES202090007

LTE Band 7 (20MHz)_Body_Back side_CH 21100_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2535 MHz; Duty cycle= 1:1

Medium parameters used: f = 2535 MHz; $\sigma = 1.851 \text{ S/m}$; $\epsilon_r = 38.497$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.23, 7.23, 7.23) @ 2535 MHz; Calibrated: 2020/03/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- · Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.866 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.780 V/m; Power Drift = 0.12 dB

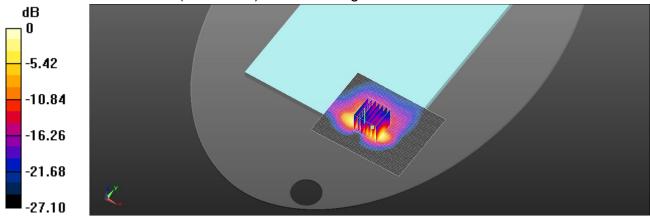
Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.675 W/kg

Smallest distance from peaks to all points 3 dB below = 5.2 mm

Ratio of SAR at M2 to SAR at M1 = 50.8%

Maximum value of SAR (measured) = 0.951 W/kg



0 dB = 0.951 W/kg = -0.22 dBW/kg

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Date: 2020/10/4

Report No.: ES202090007

LTE Band 12 (10MHz)_Body_Back side_CH 23095_QPSK_1-0_0mm

Communication System: LTE; Frequency: 707.5 MHz; Duty cycle= 1:1

Medium parameters used: f = 707.5 MHz; $\sigma = 0.876 \text{ S/m}$; $\varepsilon_r = 42.842$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 707.5 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.22 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.354 V/m; Power Drift = 0.18 dB

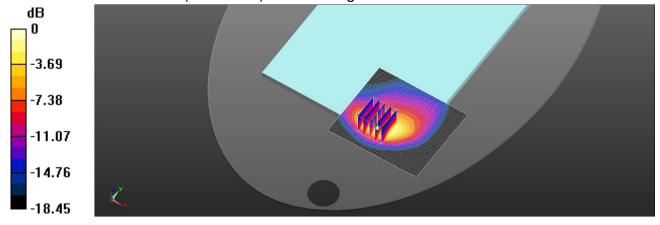
Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.643 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 50.8%

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

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Date: 2020/10/4

Report No.: ES202090007

LTE Band 13 (10MHz)_Body_Back side_CH 23230_QPSK_1-0_0mm

Communication System: LTE; Frequency: 782 MHz; Duty cycle= 1:1

Medium parameters used: f = 782 MHz; $\sigma = 0.905 \text{ S/m}$; $\varepsilon_r = 42.345$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 782 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.42 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.149 V/m; Power Drift = 0.19 dB

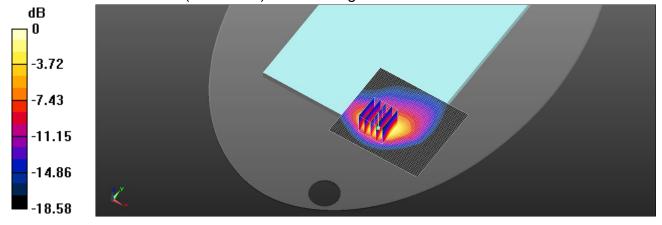
Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.634 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 41.1%

Maximum value of SAR (measured) = 1.69 W/kg



0 dB = 1.69 W/kg = 2.27 dBW/kg

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Report No.: ES202090007

LTE Band 14 (10MHz)_Body_Back side_CH 23330_QPSK_1-0_0mm

Communication System: LTE; Frequency: 793 MHz; Duty cycle= 1:1

Medium parameters used: f = 793 MHz; $\sigma = 0.908$ S/m; $\varepsilon_r = 42.317$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 793 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.37 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.330 V/m; Power Drift = 0.12 dB

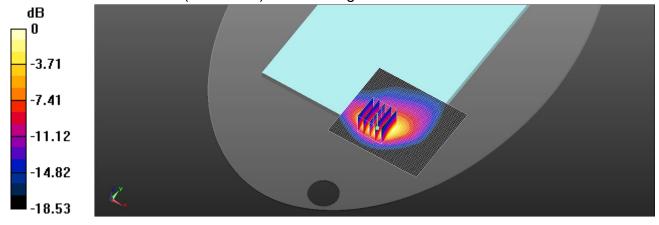
Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.620 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 61.1%

Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

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Report No.: ES202090007

LTE Band 17 (10MHz)_Body_Back side_CH 23790_QPSK_1-0_0mm

Communication System: LTE; Frequency: 710 MHz; Duty cycle= 1:1

Medium parameters used: f = 710 MHz; $\sigma = 0.884 \text{ S/m}$; $\varepsilon_r = 42.742$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 710 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.62 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.566 V/m; Power Drift = 0.11 dB

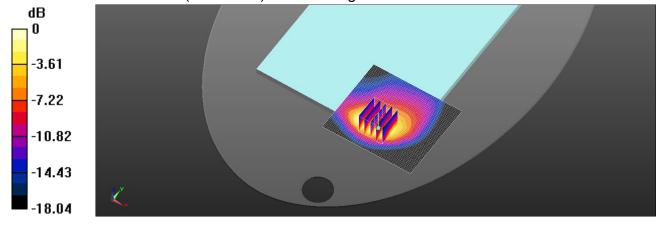
Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.672 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.54 W/kg = 1.89 dBW/kg

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Date: 2020/10/7

Report No.: ES202090007

LTE Band 25 (20MHz)_Body_Back side_CH 26140_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used: f = 1860 MHz; $\sigma = 1.394 \text{ S/m}$; $\epsilon_r = 39.719$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.07, 8.07, 8.07) @ 1860 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.965 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.990 V/m; Power Drift = 0.13 dB

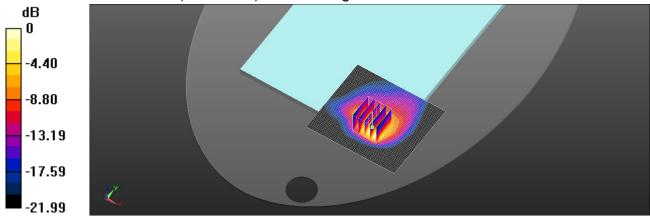
Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.691 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 53.6%

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

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Date: 2020/10/5

Report No.: ES202090007

LTE Band 26 (15MHz)_Body_Back side_CH 26765_QPSK_1-0_0mm

Communication System: LTE; Frequency: 821.5 MHz; Duty cycle= 1:1

Medium parameters used: f = 821.5 MHz; $\sigma = 0.911 \text{ S/m}$; $\varepsilon_r = 42.238$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 23.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.73, 9.73, 9.73) @ 821.5 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.72 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.120 V/m; Power Drift = 0.11 dB

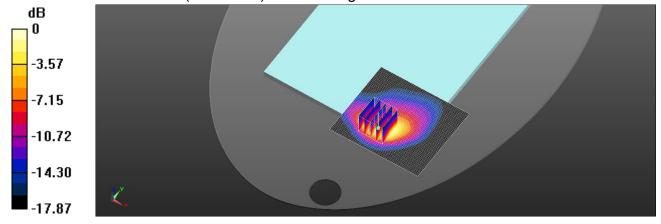
Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.630 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.3%

Maximum value of SAR (measured) = 1.72 W/kg



0 dB = 1.72 W/kg = 2.36 dBW/kg

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Date: 2020/10/8

Report No.: ES202090007

LTE Band 30 (10MHz)_Body_Back side_CH 27710_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1

Medium parameters used: f = 2310 MHz; $\sigma = 1.687 \text{ S/m}$; $\varepsilon_r = 38.872$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.0°C; Liquid temperature: 23.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.76, 7.76, 7.76) @ 2310 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.25 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.110 V/m; Power Drift = 0.12 dB

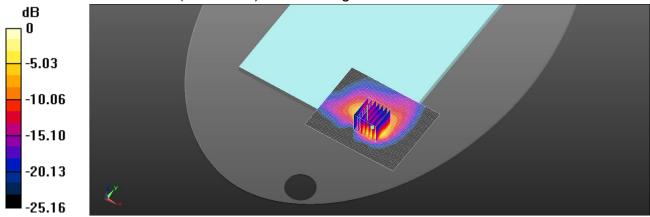
Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.669 W/kg

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

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Date: 2020/10/9

Report No.: ES202090007

LTE Band 38 (20MHz)_Body_Back side_CH 38000_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2595 MHz; Duty cycle= 1:1.59956

Medium parameters used: f = 2595 MHz; $\sigma = 1.917 \text{ S/m}$; $\epsilon_r = 38.135$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.23, 7.23, 7.23) @ 2595 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(74833)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.968 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.674 V/m; Power Drift = 0.08 dB

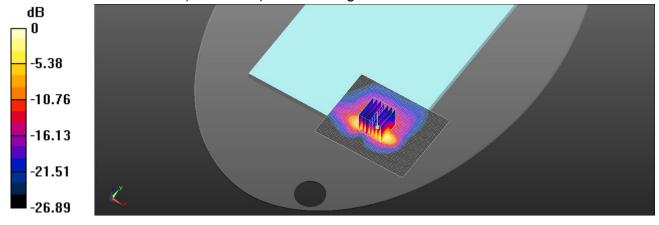
Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.635 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 68.2%

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.79 dBW/kg

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Date: 2020/10/9

Report No.: ES202090007

LTE Band 41 (20MHz)_Body_Back side_CH 40620_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2593 MHz; Duty cycle= 1:1.59956

Medium parameters used: f = 2593 MHz; $\sigma = 1.909$ S/m; $\varepsilon_r = 38.141$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.23, 7.23, 7.23) @ 2539 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.862 V/m; Power Drift = 0.16 dB

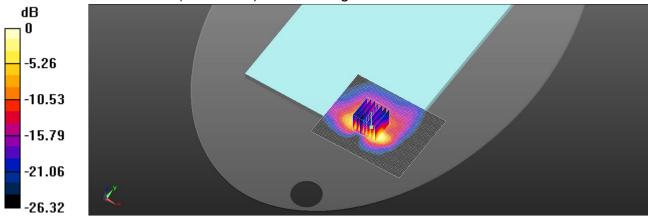
Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.644 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 50.1%

Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

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Date: 2020/10/9

Report No.: ES202090007

LTE Band 41 (20MHz)_Body_Back side_CH 41055_QPSK_1-0_0mm_HPUE

Communication System: LTE; Frequency: 2636.5 MHz; Duty cycle= 1:1.59956

Medium parameters used: f = 2636.5 MHz; $\sigma = 1.989 \text{ S/m}$; $\epsilon_r = 38.030$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.23, 7.23, 7.23) @ 2636.5 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.749 V/m; Power Drift = 0.14 dB

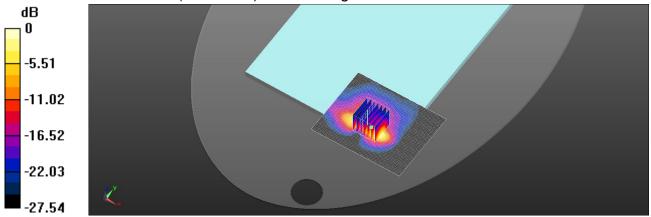
Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.620 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 65.3%

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.05 dBW/kg

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Date: 2020/10/6

Report No.: ES202090007

LTE Band 66 (20MHz)_Body_Back side_CH 132072_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1720 MHz; Duty cycle= 1:1

Medium parameters used: f = 1720 MHz; $\sigma = 1.354 \text{ S/m}$; $\epsilon_r = 41.018$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.1°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.34, 8.34, 8.34) @ 1720 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.635 V/m; Power Drift = 0.07 dB

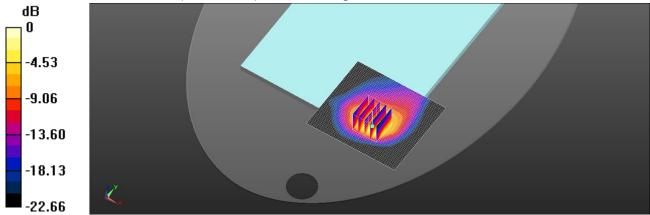
Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.738 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 45.5%

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.82 dBW/kg

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Date: 2020/10/7

Report No.: ES202090007

5G NR n2 (20MHz)_Body_Back side_CH 372000_BPSK_1-1_0mm

Communication System: 5G NR(20MHz,Pi/2 BPSK,15kHz); Frequency: 1860 MHz; Duty

cycle= 1:1

Medium parameters used: f = 1860 MHz; $\sigma = 1.394 \text{ S/m}$; $\epsilon_r = 39.719$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

 Probe: EX3DV4 - SN7509; ConvF(8.07, 8.07, 8.07) @ 1860 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

· Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.09 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.900 V/m; Power Drift = 0.16 dB

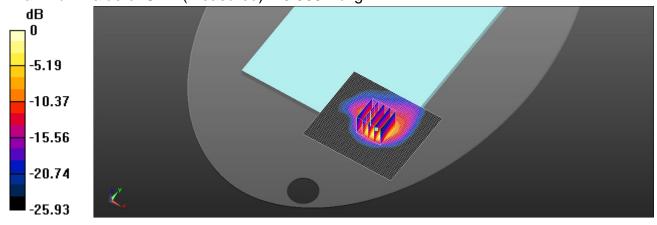
Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.751 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 57.8%

Maximum value of SAR (measured) = 0.968 W/kg



0 dB = 0.968 W/kg = -0.14 dBW/kg

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Date: 2020/10/5

Report No.: ES202090007

5G NR n5 (20MHz)_Body_Back side_CH 166800_BPSK_1-1_0mm

Communication System: 5G NR(20MHz,Pi/2 BPSK,15kHz); Frequency: 839 MHz; Duty

cycle= 1:1

Medium parameters used: f = 839 MHz; σ = 0.933 S/m; ε_r = 41.767; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 23.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.73, 9.73, 9.73) @ 839 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.46 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.240 V/m; Power Drift = 0.12 dB

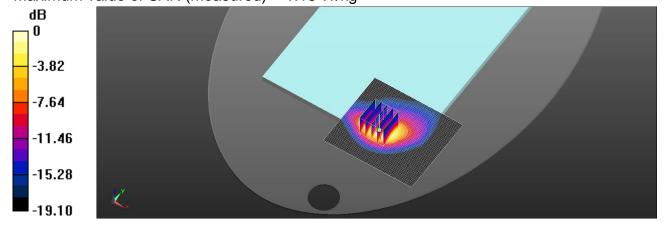
Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.551 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 54.9%

Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg = 0.74 dBW/kg

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Date: 2020/10/4

Report No.: ES202090007

5G NR n12 (15MHz)_Body_Back side_CH 141700_BPSK_1-1_0mm

Communication System: 5G NR(15MHz, Pi/2 BPSK,15kHz; Frequency: 708.5 MHz; Duty

cycle= 1:1

Medium parameters used: f = 708.5 MHz; σ = 0.880 S/m; ε_r = 42.830; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22..8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 708.5 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.65 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.104 V/m; Power Drift = 0.15 dB

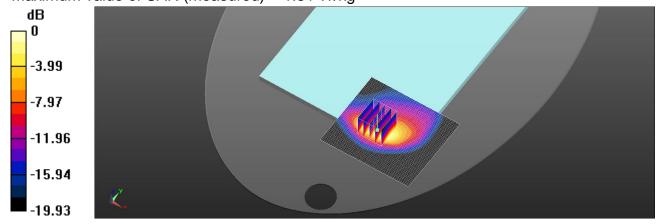
Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.667 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 60%

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.18 dBW/kg

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Date: 2020/10/6

Report No.: ES202090007

5G NR n66 (20MHz)_Body_Back side_CH 344000_BPSK_1-1_0mm

Communication System: 5G NR(20MHz,Pi/2 BPSK,15kHz); Frequency: 1720 MHz; Duty

cycle= 1:1

Medium parameters used: f = 1720 MHz; $\sigma = 1.321 \text{ S/m}$; $\epsilon_r = 41.018$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(8.34, 8.34, 8.34) @ 1720 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.762 V/m; Power Drift = 0.18 dB

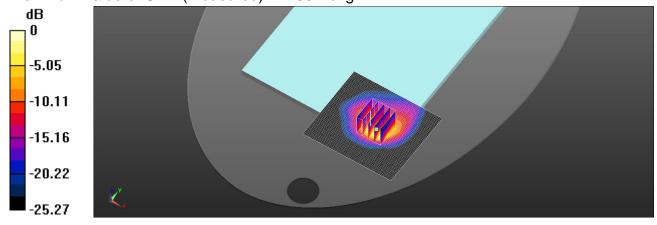
Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.760 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg = 0.26 dBW/kg

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Date: 2020/10/7

Report No.: ES202090007

WCDMA Band II_Body_Bottom side_CH 9262_0mm

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty cycle= 1:1

Medium parameters used: f = 1852.4 MHz; σ = 1.393 S/m; ε_r = 39.778; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 23.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.07, 8.07, 8.07) @ 1852.4 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.41 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.140 V/m; Power Drift = 0.12 dB

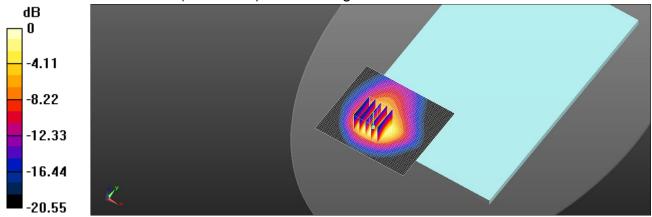
Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.746 W/kg

Smallest distance from peaks to all points 3 dB below = 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 45.4%

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.03 dBW/kg

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Date: 2020/10/6

Report No.: ES202090007

WCDMA Band IV_Body_Bottom side_CH 1513_0mm

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty cycle= 1:1

Medium parameters used: f = 1753 MHz; $\sigma = 1.380 \text{ S/m}$; $\epsilon_r = 40.003$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.1°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.34, 8.34, 8.34) @ 1752.6 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.44 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.542 V/m; Power Drift = 0.15 dB

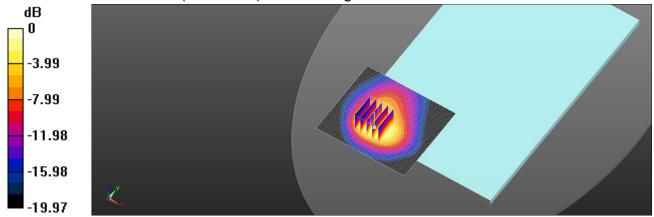
Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.746 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 47.8%

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

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Date: 2020/10/5

Report No. :ES202090007

WCDMA Band V_Body_Bottom side_CH 4233 0mm

Communication System: WCDMA; Frequency: 846.6 MHz; Duty cycle= 1:1

Medium parameters used: f = 847 MHz; $\sigma = 0.954 \text{ S/m}$; $\varepsilon_r = 41.546$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 23.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(9.73, 9.73, 9.73) @ 846.6 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.61 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.975 V/m; Power Drift = 0.09 dB

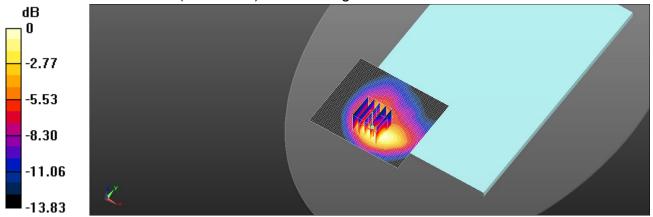
Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.593 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 54.2%

Maximum value of SAR (measured) = 1.51 W/kg



0 dB = 1.51 W/kg = 1.79 dBW/kg

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Date: 2020/10/7

Report No.: ES202090007

LTE Band 2 (20MHz)_Body_Bottom side_CH 19100_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1900 MHz; Duty cycle= 1:1

Medium parameters used: f = 1900 MHz; $\sigma = 1.409 \text{ S/m}$; $\epsilon_r = 39.433$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.07, 8.07, 8.07) @ 1900 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.35 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.864 V/m; Power Drift = 0.12 dB

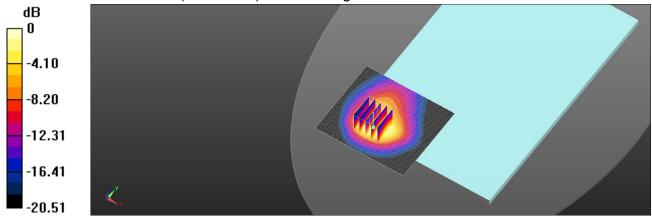
Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.715 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 46%

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.82 dBW/kg

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Date: 2020/10/6

Report No. :ES202090007

LTE Band 4 (20MHz)_Body_Bottom side_CH 20175_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1732.5 MHz; Duty cycle= 1:1

Medium parameters used: f = 1732.5 MHz; $\sigma = 1.345 \text{ S/m}$; $\epsilon_r = 40.863$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.1°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.34, 8.34, 8.34) @ 1732.5 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.33 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.760 V/m; Power Drift = 0.18 dB

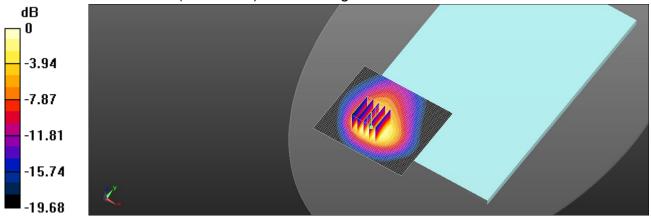
Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.685 W/kg

Smallest distance from peaks to all points 3 dB below = 8.7 mm

Ratio of SAR at M2 to SAR at M1 = 48.3%

Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg = 0.73 dBW/kg

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Date: 2020/10/5

Eport No.: ES202090007

LTE Band 5 (10MHz)_Body_Bottom side_CH 20525_QPSK_1-0_0mm

Communication System: LTE; Frequency: 836.5 MHz; Duty cycle= 1:1

Medium parameters used: f = 836.5 MHz; $\sigma = 0.928 \text{ S/m}$; $\varepsilon_r = 41.888$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 23.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.73, 9.73, 9.73) @ 836.5MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.88 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.204 V/m; Power Drift = 0.12 dB

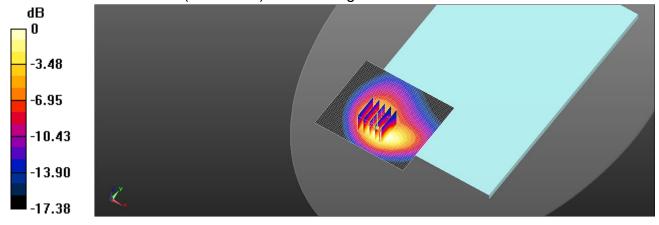
Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.683 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 53%

Maximum value of SAR (measured) = 1.76 W/kg



0 dB = 1.76 W/kg = 2.46 dBW/kg

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Report No.: ES202090007

LTE Band 7 (20MHz)_Body_Bottom side_CH 20850_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2510 MHz; Duty cycle= 1:1

Medium parameters used: f = 2510 MHz; $\sigma = 1.820 \text{ S/m}$; $\varepsilon_r = 38.596$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.23, 7.23, 7.23) @ 2510 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.25 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.550 V/m; Power Drift = 0.12 dB

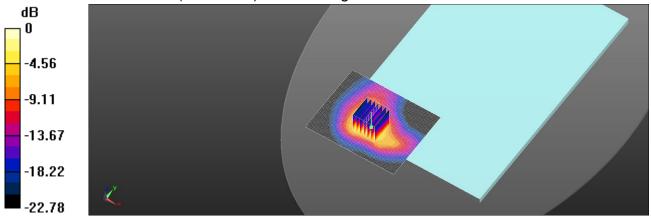
Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.690 W/kg

Smallest distance from peaks to all points 3 dB below = 5.9 mm

Ratio of SAR at M2 to SAR at M1 = 46.6%

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.46 W/kg = 1.63 dBW/kg

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LTE Band 12 (10MHz)_Body_Bottom side_CH 23060_QPSK_1-0_0mm

Communication System: LTE; Frequency: 704 MHz; Duty cycle= 1:1

Medium parameters used: f = 704 MHz; $\sigma = 0.868$ S/m; $\varepsilon_r = 42.980$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 704 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.47 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.290 V/m; Power Drift = 0.15 dB

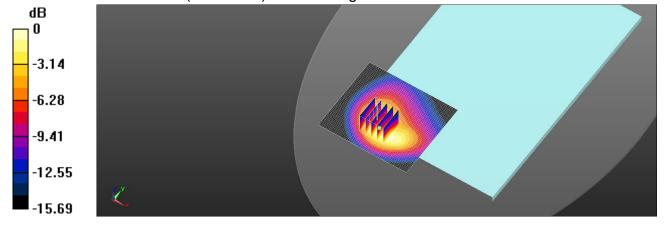
Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.635 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.40 W/kg = 1.46 dBW/kg

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LTE Band 13 (10MHz)_Body_Bottom side_CH 23230_QPSK_1-0_0mm

Communication System: LTE; Frequency: 782 MHz; Duty cycle= 1:1

Medium parameters used: f = 782 MHz; $\sigma = 0.905 \text{ S/m}$; $\varepsilon_r = 42.345$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 782 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.68 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.010 V/m; Power Drift = 0.05 dB

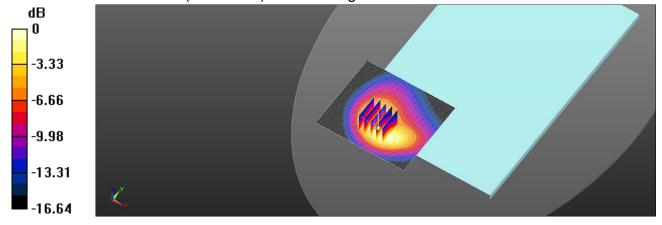
Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.668 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg = 1.98 dBW/kg

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LTE Band 14 (10MHz)_Body_Bottom side_CH 23330_QPSK_1-0_0mm

Communication System: LTE; Frequency: 793 MHz; Duty cycle= 1:1

Medium parameters used: f = 793 MHz; $\sigma = 0.908$ S/m; $\varepsilon_r = 42.317$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 793 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.72 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.557 V/m; Power Drift =-0.05 dB

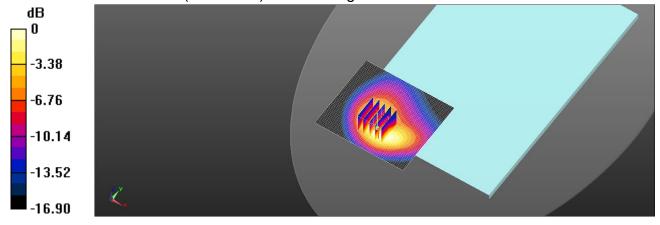
Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.663 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 52.8%

Maximum value of SAR (measured) = 1.61 W/kg



0 dB = 1.61 W/kg = 2.07 dBW/kg

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LTE Band 17 (10MHz)_Body_Bottom side_CH 23790_QPSK_1-0_0mm

Communication System: LTE; Frequency: 710 MHz; Duty cycle= 1:1

Medium parameters used: f = 710 MHz; $\sigma = 0.884 \text{ S/m}$; $\varepsilon_r = 42.742$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 710 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.74 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.190 V/m; Power Drift = -0.08 dB

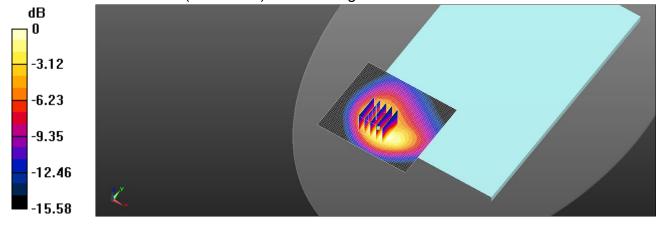
Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.717 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 52.6%

Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

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Date: 2020/10/7

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LTE Band 25 (20MHz) Body Bottom side CH 26590 QPSK 1-0 0mm

Communication System: LTE; Frequency: 1905 MHz; Duty cycle= 1:1

Medium parameters used: f = 1905 MHz; $\sigma = 1.428 \text{ S/m}$; $\epsilon_r = 39.195$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.07, 8.07, 8.07) @ 1905 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.28 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.542 V/m; Power Drift = -0.13 dB

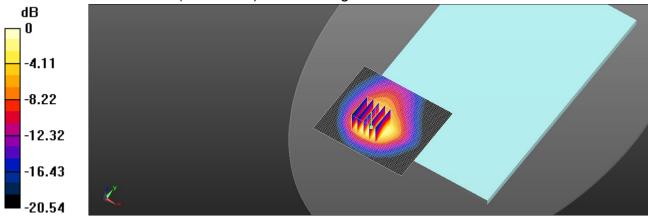
Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.697 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 45.9%

Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg = 0.71 dBW/kg

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LTE Band 26 (15MHz)_Body_Bottom side_CH 26965_QPSK_1-0_0mm

Communication System: LTE; Frequency: 841.5 MHz; Duty cycle= 1:1

Medium parameters used: f = 841.5 MHz; $\sigma = 0.936 \text{ S/m}$; $\varepsilon_r = 41.684$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 23.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.73, 9.73, 9.73) @ 841.5MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.79 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.360 V/m; Power Drift = -0.06 dB

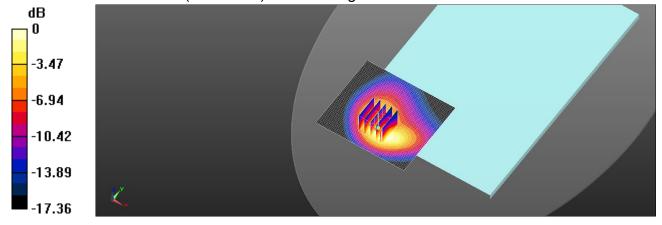
Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.672 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 53.2%

Maximum value of SAR (measured) = 1.68 W/kg



0 dB = 1.68 W/kg = 2.27 dBW/kg

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Report No.: ES202090007

LTE Band 30 (10MHz)_Body_Bottom side_CH 27710_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1

Medium parameters used: f = 2310 MHz; $\sigma = 1.687 \text{ S/m}$; $\varepsilon_r = 38.872$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.0°C; Liquid temperature: 23.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.76, 7.76, 7.76) @ 2310 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.68 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.463 V/m; Power Drift = -0.10 dB

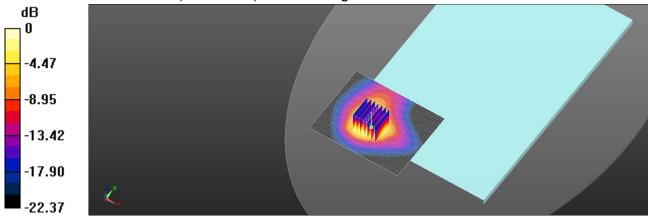
Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.658 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 43.1%

Maximum value of SAR (measured) = 1.61 W/kg



0 dB = 1.61 W/kg = 2.08 dBW/kg

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LTE Band 38 (20MHz)_Body_Bottom side_CH 37850_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2580 MHz; Duty cycle= 1:1.59956

Medium parameters used: f = 2580 MHz; σ = 1.892 S/m; ϵ_r = 38.239; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.23, 7.23, 7.23) @ 2580 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.27 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.314 V/m; Power Drift = -0.13 dB

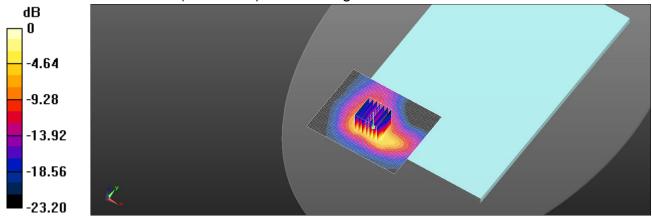
Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.486 W/kg

Smallest distance from peaks to all points 3 dB below = 5.9 mm

Ratio of SAR at M2 to SAR at M1 = 43.4%

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.57 dBW/kg

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Report No.: ES202090007

LTE Band 41 (20MHz) Body Bottom side CH 41055 QPSK 1-0 0mm

Communication System: LTE; Frequency: 2680 MHz; Duty cycle= 1:1.59956

Medium parameters used: f = 2680 MHz; $\sigma = 2.060 \text{ S/m}$; $\varepsilon_r = 37.999$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.23, 7.23, 7.23) @ 2680 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.57 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.680 V/m; Power Drift = -0.05 dB

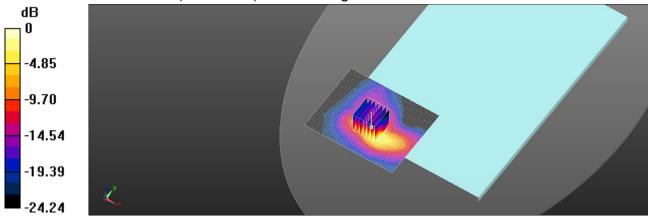
Peak SAR (extrapolated) = 2.50 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.546 W/kg

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 42.8%

Maximum value of SAR (measured) = 1.66 W/kg



0 dB = 1.66 W/kg = 2.20 dBW/kg

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Date: 2020/10/9

Report No.: ES202090007

LTE Band 41 (20MHz)_Body_Bottom side_CH 40620_QPSK_1-0 0mm HPUE

Communication System: LTE; Frequency: 2636.5 MHz; Duty cycle= 1:1.59956

Medium parameters used: f = 2636.5 MHz; σ = 1.989 S/m; ϵ_r = 38.030; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.7°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(7.23, 7.23, 7.23) @ 2636.5 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (101x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.48 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.710 V/m; Power Drift = -0.09 dB

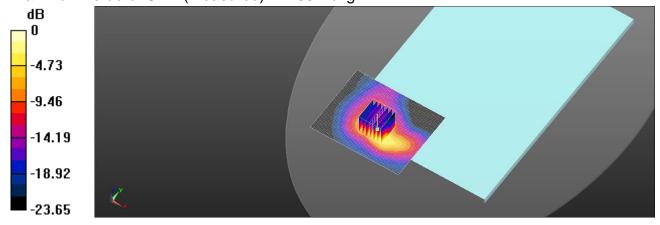
Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.570 W/kg

Smallest distance from peaks to all points 3 dB below = 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 43.9%

Maximum value of SAR (measured) = 1.59 W/kg



0 dB = 1.59 W/kg = 2.02 dBW/kg

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Date: 2020/10/6

Report No.: ES202090007

LTE Band 66 (20MHz) Body Bottom side CH 132572 QPSK 1-0 0mm

Communication System: LTE; Frequency: 1770 MHz; Duty cycle= 1:1

Medium parameters used: f = 1770 MHz; $\sigma = 1.390 \text{ S/m}$; $\epsilon_r = 39.808$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.1°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.34, 8.34, 8.34) @ 1770 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.475 V/m; Power Drift = -0.12 dB

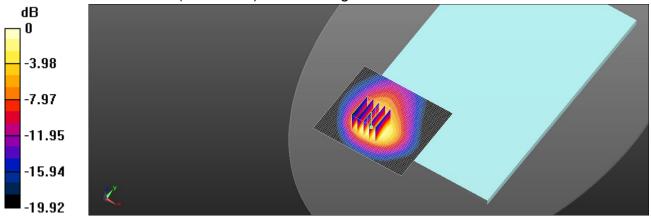
Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.747 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 47.8%

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.15 dBW/kg

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Date: 2020/10/7

Report No.: ES202090007

5G NR n2 (20MHz)_Body_Bottom side_CH 372000_BPSK 1-1 0mm

Communication System: 5G NR(20MHz,Pi/2 BPSK,15kHz); Frequency: 1860 MHz; Duty

cycle= 1:1

Medium parameters used: f = 1860 MHz; $\sigma = 1.394 \text{ S/m}$; $\epsilon_r = 39.719$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(8.07, 8.07, 8.07) @ 1860 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.54 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.287 V/m; Power Drift = -0.11 dB

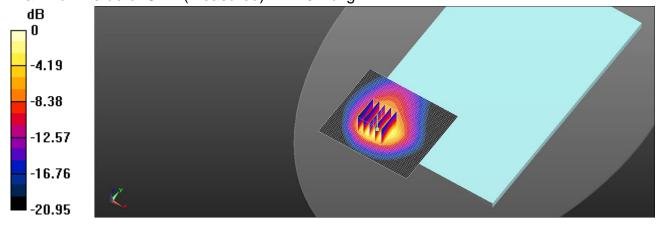
Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.805 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 42.6%

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

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Date: 2020/10/5

Report No.: ES202090007

5G NR n5 (20MHz)_Body_Bottom side_CH 167300_BPSK 1-1 0mm

Communication System: 5G NR(20MHz,Pi/2 BPSK,15kHz); Frequency: 836.5 MHz; Duty

cycle= 1:1

Medium parameters used: f = 836.5 MHz; $\sigma = 0.928 \text{ S/m}$; $\varepsilon_r = 41.888$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 23.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.73, 9.73, 9.73) @ 836MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.77 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.235 V/m; Power Drift = 0.15 dB

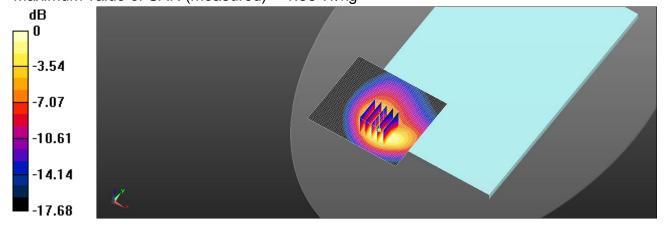
Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.610 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 49.2%

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg = 1.94 dBW/kg

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Date: 2020/10/4

Report No.: ES202090007

5G NR n12 (15MHz)_Body_Bottom side_CH 141300_BPSK_1-1_0mm

Communication System: 5G NR(15MHz, Pi/2 BPSK,15kHz; Frequency: 706.5 MHz; Duty

cycle= 1:1

Medium parameters used: f = 706.5 MHz; $\sigma = 0.869 \text{ S/m}$; $\varepsilon_r = 42.936$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 706.5 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.66 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.881 V/m; Power Drift = 0.08 dB

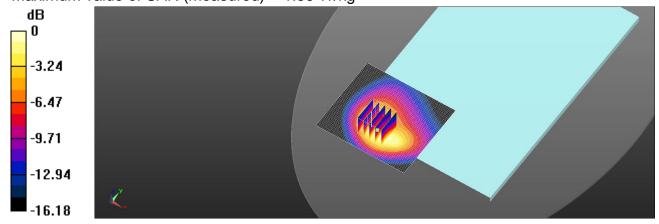
Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.692 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.89 dBW/kg

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Date: 2020/10/6

Report No.: ES202090007

5G NR n66 (20MHz)_Body_Bottom side_CH 344000_BPSK_1-1_0mm

Communication System: 5G NR(20MHz,Pi/2 BPSK,15kHz); Frequency: 1770 MHz; Duty

cycle= 1:1

Medium parameters used: f = 1770 MHz; $\sigma = 1.390 \text{ S/m}$; $\epsilon_r = 39.808$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.1°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(8.34, 8.34, 8.34) @ 1770 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x71x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.57 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.652 V/m; Power Drift = 0.14 dB

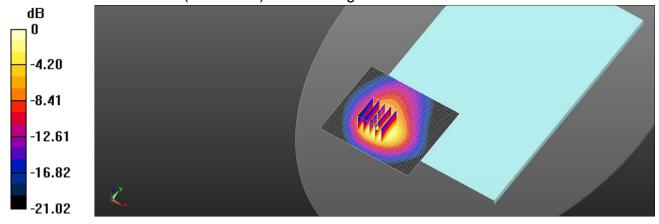
Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.783 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 43.2%

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.25 dBW/kg

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Date: 2020/10/13

Report No.: ES202090007

LTE Band 2 (20MHz)_Body_Top side_CH 18900_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1880 MHz; Duty cycle= 1:1

Medium parameters used: f = 1880 MHz; $\sigma = 1.426 \text{ S/m}$; $\epsilon_r = 39.663$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(8.07, 8.07, 8.07) @ 1880 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x131x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.657 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.53 V/m; Power Drift = 0.08 dB

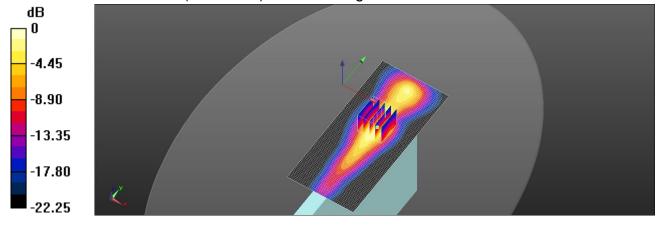
Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.430 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 37.5%

Maximum value of SAR (measured) = 0.706 W/kg



0 dB = 0.706 W/kg = -1.51 dBW/kg

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Date: 2020/10/14

Report No.: ES202090007

LTE Band 7 (20MHz)_Body_Top side_CH 21100_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2535 MHz; Duty cycle= 1:1

Medium parameters used: f = 2535 MHz; $\sigma = 1.875 \text{ S/m}$; $\epsilon_r = 38.587$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(7.23, 7.23, 7.23) @ 2535 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x161x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.628 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.632 V/m; Power Drift = 0.13 dB

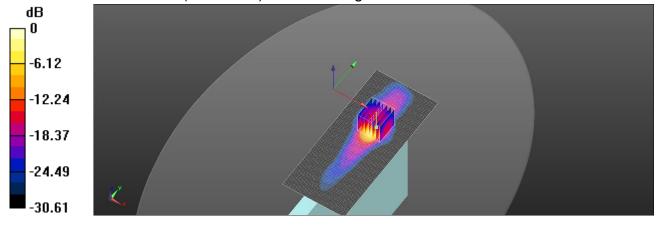
Peak SAR (extrapolated) = 0.927 W/kg

SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.490 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 39.7%

Maximum value of SAR (measured) = 0.608 W/kg



0 dB = 0.608 W/kg = -2.16 dBW/kg

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Date: 2020/10/15

Report No.: ES202090007

LTE Band 42 (20MHz)_Body_Top side_CH 43490_QPSK_1-0_0mm

Communication System: LTE; Frequency: 3590 MHz; Duty cycle= 1:1.59956

Medium parameters used: f = 3590 MHz; $\sigma = 3.007 \text{ S/m}$; $\varepsilon_r = 37.642$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(6.73, 6.73, 6.73) @ 3590 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x161x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.634 W/kg

Zoom Scan (7x7x10)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.389 V/m; Power Drift = 0.19 dB

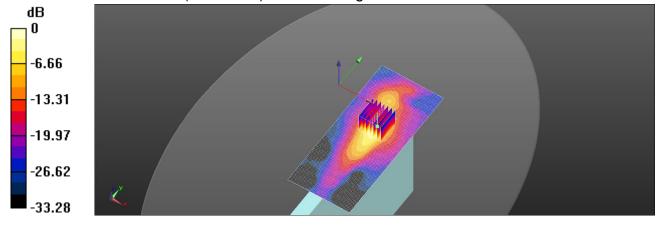
Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.363 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 52.1%

Maximum value of SAR (measured) = 0.694 W/kg



0 dB = 0.694 W/kg = -1.59 dBW/kg

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Date: 2020/10/15

Report No.: ES202090007

LTE Band 48 (20MHz)_Body_Top side_CH 55340_QPSK_1-0_0mm

Communication System: LTE; Frequency: 3560 MHz; Duty cycle= 1:1.59956

Medium parameters used: f = 3560 MHz; $\sigma = 2.995 \text{ S/m}$; $\varepsilon_r = 37.731$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(6.73, 6.73, 6.73) @ 3560 MHz; Calibrated:
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2020/03/17
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x161x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.766 W/kg

Zoom Scan (7x7x10)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.053 V/m; Power Drift = 0.06 dB

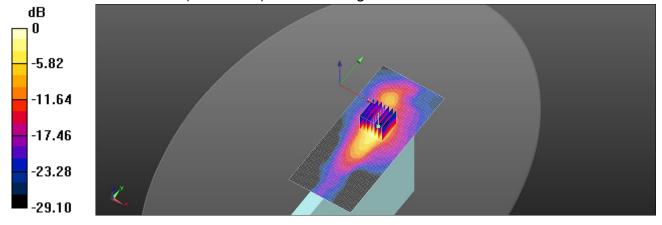
Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.330 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 0.799 W/kg



0 dB = 0.799 W/kg = -0.97 dBW/kg

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Date: 2020/10/12

Report No.: ES202090007

LTE Band 66 (20MHz)_Body_Top side_CH 132322_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used: f = 1745 MHz; $\sigma = 1.379 \text{ S/m}$; $\epsilon_r = 40.893$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration: **DASY5** Configuration:

> Probe: EX3DV4 - SN7509; ConvF(8.34, 8.34, 8.34) @ 1745 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x131x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.771 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.14 V/m; Power Drift = 0.19 dB

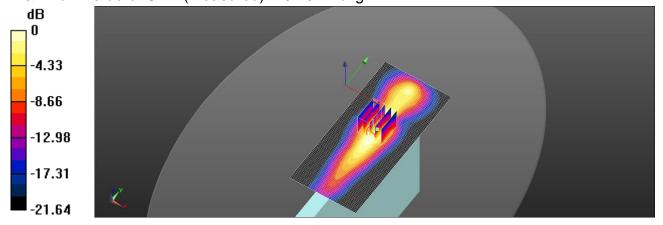
Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.432 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 52.6%

Maximum value of SAR (measured) = 0.752 W/kg



0 dB = 0.752 W/kg = -1.24 dBW/kg

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Date: 2020/10/13

Report No.: ES202090007

5G NR n2 (20MHz)_Body_Top side_CH 372000_BPSK_1-1_0mm

Communication System: 5G NR(20MHz,Pi/2 BPSK,15kHz); Frequency: 1860 MHz; Duty

cycle= 1:1

Medium parameters used: f = 1860 MHz; $\sigma = 1.416 \text{ S/m}$; $\epsilon_r = 39.719$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.4°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(8.07, 8.07, 8.07) @ 1860 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x131x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.794 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.94 V/m; Power Drift = 0.13 dB

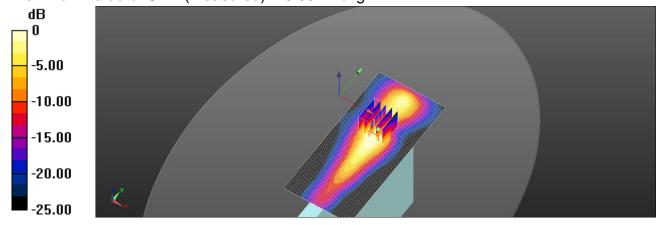
Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.384 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 42%

Maximum value of SAR (measured) = 0.652 W/kg



0 dB = 0.652 W/kg = -1.86 dBW/kg

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Date: 2020/10/14

Report No.: ES202090007

5G NR n7 (20MHz)_Body_Top side_CH 512000_BPSK_1-1_0mm

Communication System: 5G NR(20MHz,Pi/2 BPSK,15kHz); Frequency: 2560 MHz; Duty

cycle= 1:1

Medium parameters used: f = 2560 MHz; $\sigma = 1.903 \text{ S/m}$; $\varepsilon_r = 38.366$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(7.23, 7.23, 7.23) @ 2560 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x161x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.522 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.294 V/m; Power Drift = 0.16 dB

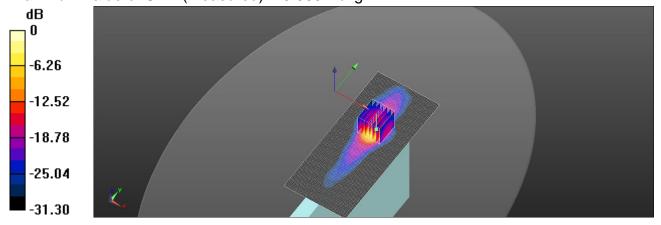
Peak SAR (extrapolated) = 0.983 W/kg

SAR(1 g) = 0.673 W/kg; SAR(10 g) = 0.450 W/kg

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 33.2%

Maximum value of SAR (measured) = 0.569 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

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Date: 2020/10/14

Report No.: ES202090007

5G NR n41 (100MHz)_Body_Top side_CH 518598_BPSK_1-1_0mm

Communication System: 5G NR(100MHz,Pi/2 BPSK,30kHz); Frequency: 2592.99 MHz;

Duty cycle= 1:1

Medium parameters used: f = 2593 MHz; $\sigma = 1.932$ S/m; $\varepsilon_r = 38.241$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 – SN7509; ConvF(7.23, 7.23, 7.23) @ 2592.99 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x161x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.289 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.962 V/m; Power Drift = -0.03 dB

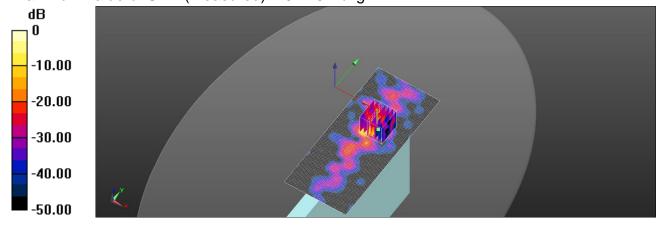
Peak SAR (extrapolated) = 0.795 W/kg

SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.308 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 30.5%

Maximum value of SAR (measured) = 0.748 W/kg



0 dB = 0.748 W/kg = -1.26 dBW/kg

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Date: 2020/10/14

Report No.: ES202090007

5G NR n41 (100MHz)_Body_Top side_CH 509202_BPSK_1-1_0mm_HPUE

Communication System: 5G NR(100MHz,Pi/2 BPSK,30kHz); Frequency: 2546.01 MHz;

Duty cycle= 1:1

Medium parameters used: f = 2546.01 MHz; σ = 1.897 S/m; ϵ_r = 38.451; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 – SN7509; ConvF(7.23, 7.23, 7.23) @ 2546.01 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x161x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.654 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.115 V/m; Power Drift = -0.18 dB

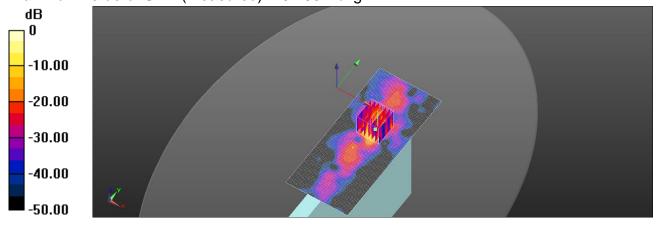
Peak SAR (extrapolated) = 0.893 W/kg

SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.292 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 30.8%

Maximum value of SAR (measured) = 0.793 W/kg



0 dB = 0.793 W/kg = -1.01 dBW/kg

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Date: 2020/10/12

Report No.: ES202090007

5G NR n66 (20MHz)_Body_Top side_CH 349000_BPSK_1-1_0mm

Communication System: 5G NR(20MHz,Pi/2 BPSK,15kHz); Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used: f = 1745 MHz; $\sigma = 1.379 \text{ S/m}$; $\epsilon_r = 40.893$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(8.34, 8.34, 8.34) @ 1745 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x131x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.552 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.954 V/m; Power Drift = 0.13 dB

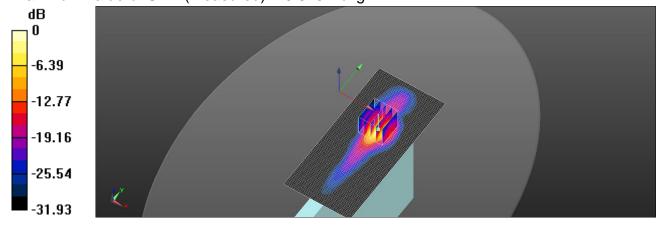
Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.687 W/kg; SAR(10 g) = 0.418 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 32.5%

Maximum value of SAR (measured) = 0.625 W/kg



0 dB = 0.625 W/kg = -2.04 dBW/kg

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6. SAR System Performance Verification

Date: 2020/10/4

Report No.: ES202090007 **Dipole 750 MHz_SN:1015**

Communication System: CW; Frequency: 750 MHz; Duty cycle= 1:1

Medium parameters used: f = 750 MHz; σ = 0.895 S/m; ε_r = 42.595; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.94, 9.94, 9.94) @ 750 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x141x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.63 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

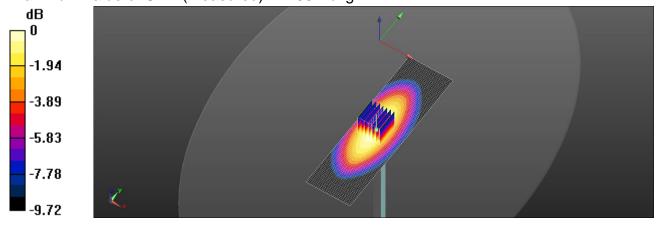
Reference Value = 53.78 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.44 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid Ratio of SAR at M2 to SAR at M1 = 68.4%

Maximum value of SAR (measured) = 2.68 W/kg



0 dB = 2.68 W/kg = 4.28 dBW/kg

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Date: 2020/10/5

Report No.: ES202090007 Dipole 835 MHz_SN:4d063

Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1

Medium parameters used: f = 835 MHz; $\sigma = 0.925 \text{ S/m}$; $\varepsilon_r = 41.993$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.9°C; Liquid temperature: 23.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(9.73, 9.73, 9.73) @ 835 MHz;

Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x121x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.15 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

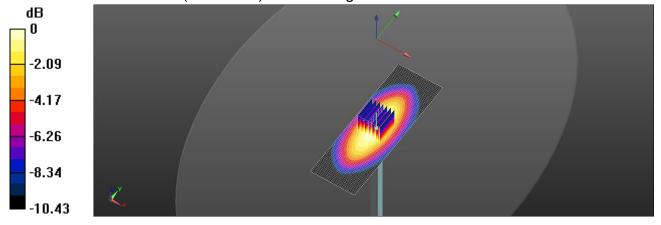
Reference Value = 58.13 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.59 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid Ratio of SAR at M2 to SAR at M1 = 67.4%

Maximum value of SAR (measured) = 3.14 W/kg



0 dB = 3.14 W/kg = 4.97 dBW/kg

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Date: 2020/10/6

Report No. :ES202090007 Dipole 1750 MHz_SN:1008

Communication System: CW; Frequency: 1750 MHz; Duty cycle= 1:1

Medium parameters used: f = 1750 MHz; $\sigma = 1.378 \text{ S/m}$; $\varepsilon_r = 40.100$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.1°C; Liquid temperature: 22.0°C

DASY5 Configuration:

 Probe: EX3DV4 - SN7509; ConvF(8.34, 8.34, 8.34) @ 1750 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 11.2 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.01 V/m; Power Drift = 0.07 dB

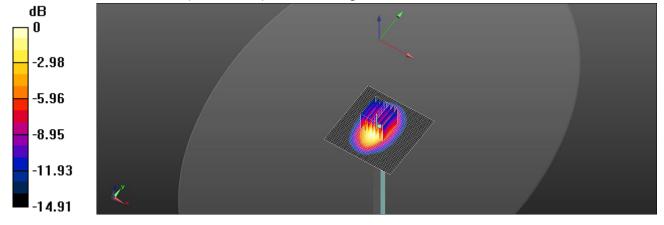
Peak SAR (extrapolated) = 13.7 W/kg

SAR(1 g) = 8.36 W/kg; SAR(10 g) = 4.83 W/kg

Smallest distance from peaks to all points 3 dB below = 6.2 mm

Ratio of SAR at M2 to SAR at M1 = 60.3%

Maximum value of SAR (measured) = 11.1 W/kg



0 dB = 11.1 W/kg = 10.46 dBW/kg

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台灣檢驗科技股份有限公司



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Date: 2020/10/12

Report No. :ES202090007 Dipole 1750 MHz_SN:1008

Communication System: CW; Frequency: 1750 MHz; Duty cycle= 1:1

Medium parameters used: f = 1750 MHz; σ = 1.402 S/m; ϵ_r = 40.22; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 21.7°C

DASY5 Configuration:

 Probe: EX3DV4 – SN7509; ConvF(8.34, 8.34, 8.34) @ 1750 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 11.3 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.01 V/m; Power Drift = 0.07 dB

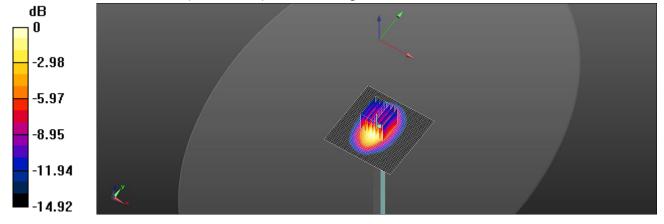
Peak SAR (extrapolated) = 13.8 W/kg

SAR(1 g) = 8.41 W/kg; SAR(10 g) = 4.86 W/kg

Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 60.3%

Maximum value of SAR (measured) = 11.2 W/kg



0 dB = 11.2 W/kg = 10.49 dBW/kg

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Date: 2020/10/7

Report No.: ES202090007 Dipole 1900 MHz_SN:5d173

Communication System: CW; Frequency: 1900 MHz; Duty cycle= 1:1

Medium parameters used: f = 1900 MHz; $\sigma = 1.409 \text{ S/m}$; $\epsilon_r = 39.433$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(8.07, 8.07, 8.07) @ 1900 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 13.3 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.77 V/m; Power Drift = 0.05 dB

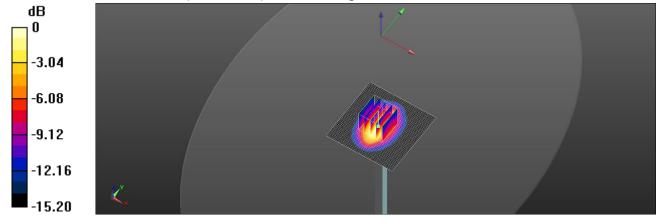
Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 9.66 W/kg; SAR(10 g) = 5.36 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.9%

Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

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Date: 2020/10/13

Report No.: ES202090007 Dipole 1900 MHz_SN:5d173

Communication System: CW; Frequency: 1900 MHz; Duty cycle= 1:1

Medium parameters used: f = 1900 MHz; $\sigma = 1.437 \text{ S/m}$; $\epsilon_r = 39.523$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.4°C

DASY5 Configuration:

Probe: EX3DV4 – SN7509; ConvF(8.07, 8.07, 8.07) @ 1900 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI V5.0 (20deg probe tilt)

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 12.9 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.77 V/m; Power Drift = 0.05 dB

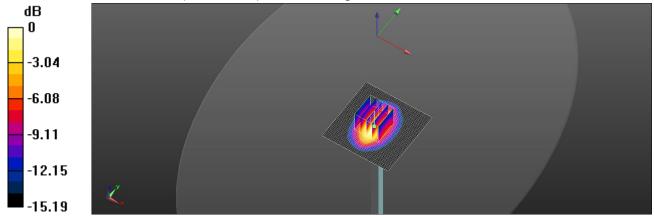
Peak SAR (extrapolated) = 15.9 W/kg

SAR(1 g) = 9.43 W/kg; SAR(10 g) = 5.26 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.9%

Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.11 dBW/kg

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Date: 2020/10/8

Report No. :ES202090007 **Dipole 2300 MHz SN:1023**

Communication System: CW; Frequency: 2300 MHz; Duty cycle= 1:1

Medium parameters used: f = 2300 MHz; $\sigma = 1.667 \text{ S/m}$; $\varepsilon_r = 38.955$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 23.0°C; Liquid temperature: 23.1°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(7.76, 7.76, 7.76) @ 2300 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 19.4 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 94.36 V/m; Power Drift = 0.10 dB

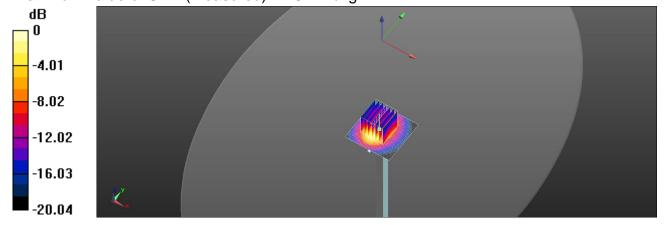
Peak SAR (extrapolated) = 24.0 W/kg

SAR(1 g) = 12.1 W/kg; SAR(10 g) = 5.76 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 18.4 W/kg



0 dB = 18.4 W/kg = 12.65 dBW/kg

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Date: 2020/10/9

Report No.: ES202090007 **Dipole 2600 MHz_SN:1005**

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1

Medium parameters used: f = 2600 MHz; $\sigma = 1.918 \text{ S/m}$; $\epsilon_r = 38.110$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.7°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(7.23, 7.23, 7.23) @ 2600 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 23.7 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 99.00 V/m; Power Drift = 0.11 dB

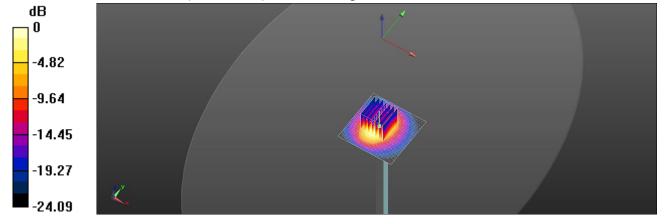
Peak SAR (extrapolated) = 32.7 W/kg

SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.66 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 45.3%

Maximum value of SAR (measured) = 23.5 W/kg



0 dB = 23.5 W/kg = 13.72 dBW/kg

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Date: 2020/10/14

Report No. :ES202090007 Dipole 2600 MHz_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1

Medium parameters used: f = 2600 MHz; σ = 1.945 S/m; ϵ_r = 38.21; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 22.1°C

DASY5 Configuration:

 Probe: EX3DV4 – SN7509; ConvF(7.23, 7.23, 7.23) @ 2600 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 23.2 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 99.00 V/m; Power Drift = 0.11 dB

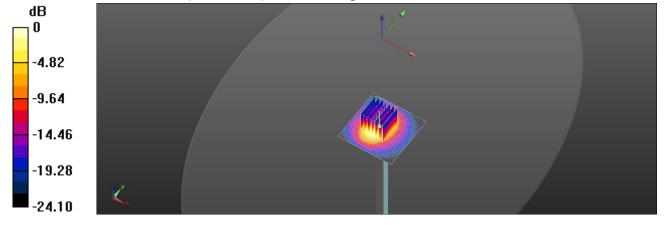
Peak SAR (extrapolated) = 32.0 W/kg

SAR(1 g) = 14.7 W/kg; SAR(10 g) = 6.59 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 45.3%

Maximum value of SAR (measured) = 23.1 W/kg



0 dB = 23.1 W/kg = 13.63 dBW/kg

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Date: 2020/10/15

Report No. :ES202090007 Dipole 3500 MHz_SN:1009

Communication System: CW; Frequency: 3500 MHz; Duty cycle= 1:1

Medium parameters used: f = 3500 MHz; $\sigma = 2.896 \text{ S/m}$; $\varepsilon_r = 37.766$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.3°C

DASY5 Configuration:

 Probe: EX3DV4 – SN7509; ConvF(6.73, 6.73, 6.73) @ 3500 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 11.7 W/kg

Zoom Scan (7x7x10)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 63.66 V/m; Power Drift = -0.01 dB

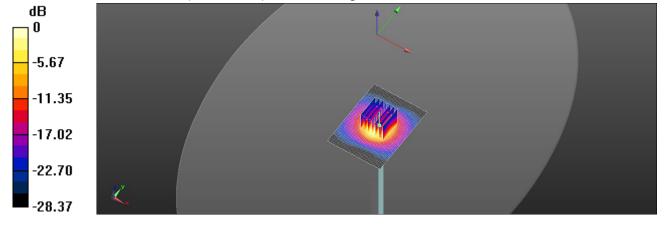
Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 6.66 W/kg; SAR(10 g) = 2.54 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.6%

Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 11.4 W/kg = 10.58 dBW/kg

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 险非只有验明,此概是结果做新知识的关键,因此是一种更加的一种,但是一种更加的一种更加的一种更加的一种更加的一种。

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

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Date: 2020/10/16

Report No. :ES202090007 **Dipole 3700 MHz SN:1057**

Communication System: CW; Frequency: 3700 MHz; Duty cycle= 1:1

Medium parameters used: f = 3700 MHz; $\sigma = 3.111 \text{ S/m}$; $\varepsilon_r = 37.43$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(6.67, 6.67, 6.67) @ 3700 MHz; Calibrated: 2020/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn877; Calibrated: 2020/03/17

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x71x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 13.4 W/kg

Zoom Scan (7x7x10)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 63.31 V/m; Power Drift = 0.02 dB

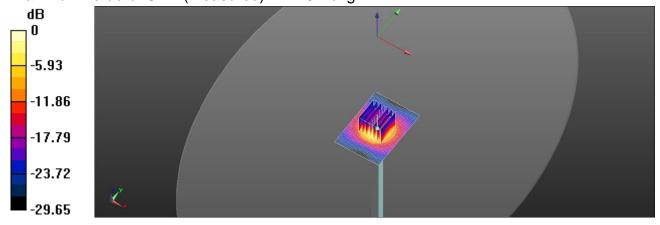
Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 6.65 W/kg; SAR(10 g) = 2.48 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 53.9%

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 11.6 W/kg = 10.65 dBW/kg

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7. Uncertainty Budget

Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	С	D	е		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probabilit y	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	8
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	8
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	8
Probe Positioning with respect to phantom	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	0.72%	N	1	1	0.64	0.43	0.46%	0.31%	М
Liquid Conductivity (mea.)	1.68%	N	1	1	0.6	0.49	1.01%	0.82%	М
Combined standard uncertainty		RSS					11.77%	11.74%	
Expant uncertainty (95% confidence							23.54%	23.48%	

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Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

С	D	е		f	g	h=c * f / e	i=c * g / e	k
Tolerance/ Uncertainty	Probabilit y	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
6.00%	N	1	1	1	1	6.00%	6.00%	∞
3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
0.30%	N	1	1	1	1	0.30%	0.30%	∞
0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
2.90%	N	1	1	1	1	2.90%	2.90%	M-1
3.60%	N	1	1	1	1	3.60%	3.60%	M-1
5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
2.50%	N	1	1	0.64	0.43	1.60%	1.08%	М
4.55%	N	1	1	0.6	0.49	2.73%	2.23%	М
	RSS					11.85%	11.67%	
						23.70%	23.35%	
	1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00% 1.00%	Tolerance/ Uncertainty	Tolerance/ Uncertainty Probabilit Uncertainty Probabilit Uncertainty Probabilit Uncertainty Probabilit Uncertainty Probabilit Uncertainty Probabilit Uncertainty Probability	Tolerance/ Uncertainty Probabilit y Div Div Value 6.00% N 1 1 3.50% R √3 1.732 9.60% R √3 1.732 2.40% R √3 1.732 1.00% R √3 1.732 4.70% R √3 1.732 1.00% R √3 1.732 0.30% N 1 1 0.80% R √3 1.732 2.60% R √3 1.732 1.75% R √3 1.732 3.00% R √3 1.732 3.00% R √3 1.732 1.00% R √3 1.732 1.00% R √3 1.732 1.00% R √3 1.732 2.90% N 1 1 3.60% N 1 1 4.00% R	Tolerance/ Uncertainty Probabilit y Div Div Value ci (1g) 6.00% N 1 1 1 3.50% R √3 1.732 1 9.60% R √3 1.732 1 2.40% R √3 1.732 1 1.00% R √3 1.732 1 4.70% R √3 1.732 1 1.00% R √3 1.732 1 0.30% N 1 1 1 0.80% R √3 1.732 1 1.08% R √3 1.732 1 1.75% R √3 1.732 1 3.00% R √3 1.732 1 1.04% R √3 1.732 1 2.90% R √3 1.732 1 1.00% R √3 1.732 1 2.90% N	Tolerance/ Uncertainty Probabilit y Div Div Value ci (1g) ci (10g) 6.00% N 1 1 1 1 9.60% R √3 1.732 1 1 9.60% R √3 1.732 1 1 1.00% R √3 1.732 1 1 1.75% R √3 1.732 1 1 1.75% R √3 1.732 1 1 1.75% R √3 1.732 1 1 2.90% R √3 1.732 1 1	Tolerance/Uncertainty Probabilit V Div Value cl (1g) ci (10g) Standard uncertainty 6.00% N 1 1 1 1 1 6.00% 3.50% R √3 1.732 1 1 2.02% 9.60% R √3 1.732 1 1 5.54% 2.40% R √3 1.732 1 1 1.40% 1.00% R √3 1.732 1 1 1.40% 1.00% R √3 1.732 1 1 0.58% 4.70% R √3 1.732 1 1 0.58% 0.30% N 1 1 1 1 0.58% 0.30% R √3 1.732 1 1 0.46% 2.60% R √3 1.732 1 1 1.01% 3.00% R √3 1.732 1 1 1.73%	Tolerance/Uncertainty Probability V Div Value ci (19) ci (109) Standard uncertainty Standard uncertainty 6.00% N 1 1 1 1 6.00% 6.00% 3.50% R √3 1.732 1 1 2.02% 2.02% 9.60% R √3 1.732 1 1 5.54% 5.54% 2.40% R √3 1.732 1 1 1.40% 1.40% 1.00% R √3 1.732 1 1 1.40% 1.40% 1.00% R √3 1.732 1 1 0.58% 0.58% 4.70% R √3 1.732 1 1 0.58% 0.58% 0.30% N 1 1 1 1 0.58% 0.58% 0.30% R √3 1.732 1 1 1.50% 1.50% 1.75% R √3 1.732 1

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Appendixes

Refer to separated files for the following appendixes.

ES202090007 SAR_Appendix A Photographs ES202090007 SAR_Appendix B DAE & Probe Cal. Certificate ES202090007 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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