



FCC RF Test Report

APPLICANT : OnePlus Technology (Shenzhen) Co., Ltd.
EQUIPMENT : Smart Phone
BRAND NAME : ONEPLUS
MODEL NAME : LE2127
FCC ID : 2ABZ2-EF14A
STANDARD : 47 CFR Part 2, 27
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

The product was received on Oct. 27, 2020 and completely tested on Feb. 05, 2021. We, Sporton International (ShenZhen) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (ShenZhen) Inc., the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



Sporton International (ShenZhen) Inc.

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG002703-02H	Rev. 01	Initial issue of report	Feb. 05, 2021



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§27.50(c)(10)	Effective Radiated Power (5G NR n71)	ERP < 3 Watt		
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n7, n41)	EIRP < 2Watt		
	§27.50(j)(3)	Equivalent Isotropic Radiated Power (5G NR n77)	EIRP < 1Watt		
3.5	§27.50(j)(4)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §27.53(g) §27.53(l)(2)	Conducted Band Edge Measurement (5G NR n71, n77)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (5G NR n7, n41)	§27.53(m)(4)		
3.8	§2.1051 §27.53(g) §27.53(l)(2)	Conducted Spurious Emission (5G NR n71, n77)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (5G NR n7, n41)	< 55+10log ₁₀ (P[Watts])		
3.9	§27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(g) §27.53(l)(2)	Radiated Spurious Emission (5G NR n71, n77)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 23.03 dB at 10365.60 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (5G NR n7, n41)	< 55+10log ₁₀ (P[Watts])		

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



1 General Description

1.1 Applicant

OnePlus Technology (Shenzhen) Co., Ltd.

18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen

1.2 Manufacturer

OnePlus Technology (Shenzhen) Co., Ltd.

18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Phone
Brand Name	ONEPLUS
Model Name	LE2127
FCC ID	2ABZ2-EF14A
EUT supports Radios application	CDMA/GSM/WCDMA/LTE/5G NR WLAN 2.4GHz 802.11b/g/n/ac HT20/HT40/VHT20/VHT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 Bluetooth BR / EDR / LE / ANT+ GNSS/NFC/WPT
IMEI Code	Conducted : 990016750029678 Radiation : 990016750030098 for Band n7/41/71 NSA & n41/71 SA 990017410026906 for Band n7 SA 990016750170944 for Band n77 NSA
HW Version	22
SW Version	11.2.0.0.LE5ACB
EUT Stage	Production Unit

Remark: Only 5G NR bands are tested in this report, all the other RF bands are tested in the other reports separately.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77 : 3700 MHz ~ 3980 MHz
Rx Frequency	5G NR n7 : 2620 MHz ~ 2690 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n71 : 617 MHz ~ 652 MHz 5G NR n77 : 3700 MHz ~ 3980 MHz
Bandwidth	n7, n71: 5MHz / 10MHz / 20MHz n41, n77 : 20MHz / 30MHz / 40MHz / 50MHz / 80MHz / 90MHz / 100MHz
SCS	n7, n71: 15kHz n41, n77 : 30kHz
Antenna Gain	Top Antenna: 5G NR n7: -2.5 dBi 5G NR n41: -2.5 dBi 5G NR n71: -4.5 dBi 5G NR n77: -2.5 dBi Bottom Antenna: 5G NR n7: -2.0 dBi 5G NR n41: -2.0 dBi 5G NR n71: -4.0 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. 5G NR n41 supports HPUE.
2. 5G NR n41 support UL MIMO mode, and only supports CP-OFDM modulation in UL MIMO mode.
3. Only the top antenna supports 5G NR band n77.
4. 5G NR n77 supports NSA mode only.
5. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP is shown in the report.
6. 5G NR supports SA and NSA mode (refer to the Operation Description). For NSA mode, according to engineering evaluation, only the worst EN-DC combination mode show in the report.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

5G NR n7		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	4M47G7D	0.1718	4M50W7D	0.1230
10	2505.0 ~ 2565.0	9M25G7D	0.1694	9M31W7D	0.1233
15	2507.5 ~ 2562.5	14M1G7D	0.1694	14M2W7D	0.1294
20	2510.0 ~ 2560.0	19M0G7D	0.1734	19M0W7D	0.1219
Frequency Tolerance (ppm)		0.0026			

5G NR n41 HPUE		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	18M1G7D	0.2958	18M3W7D	0.2158
30	2511.00 ~ 2674.98	28M0G7D	0.2992	27M9W7D	0.2128
40	2516.01 ~ 2670.00	38M1G7D	0.3006	38M4W7D	0.2168
50	2521.02 ~ 2664.99	47M7G7D	0.2972	47M8W7D	0.2158
80	2536.02 ~ 2649.99	77M7G7D	0.2767	77M5W7D	0.2286
90	2541.00 ~ 2644.98	87M4G7D	0.2723	87M4W7D	0.2193
100	2546.01 ~ 2640.00	97M1G7D	0.3013	97M5W7D	0.2158
Frequency Tolerance (ppm)		0.0025			

5G NR n41_UL MIMO		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	18M3G7D	0.3768	18M3W7D	0.3422
30	2511.00 ~ 2674.98	28M2G7D	0.3887	28M4W7D	0.3464
40	2516.01 ~ 2670.00	38M0G7D	0.3891	38M0W7D	0.3557
50	2521.02 ~ 2664.99	47M7G7D	0.3940	47M9W7D	0.3578
80	2536.02 ~ 2649.99	77M2G7D	0.3533	77M5W7D	0.3244
90	2541.00 ~ 2644.98	87M0G7D	0.3485	87M6W7D	0.3225
100	2546.01 ~ 2640.00	97M1G7D	0.3453	97M5W7D	0.3155
Frequency Tolerance (ppm)		0.0023			



5G NR n71		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	665.5 ~ 695.5	4M47G7D	0.0682	4M50W7D	0.0520
10	668.0 ~ 693.0	9M29G7D	0.0665	9M29W7D	0.0519
15	670.5 ~ 690.5	14M1G7D	0.0693	14M2W7D	0.0519
20	673.0 ~ 688.0	19M0G7D	0.0698	19M0W7D	0.0520
Frequency Tolerance (ppm)		0.0022			

5G NR n7 (EN DC_5A-n7A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	4M49G7D	0.1605	4M50W7D	0.1127
10	2505.0 ~ 2565.0	9M29G7D	0.1584	9M31W7D	0.1164
15	2507.5 ~ 2562.5	14M1G7D	0.1609	14M1W7D	0.1161
20	2510.0 ~ 2560.0	18M9G7D	0.1617	18M9W7D	0.1177
Frequency Tolerance (ppm)		0.0025			

5G NR n41 (EN DC_2A-n41A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	2506.02 ~ 2679.99	18M2G7D	0.2377	18M3W7D	0.1779
30	2511.00 ~ 2674.98	27M8G7D	0.2460	27M9W7D	0.1779
40	2516.01 ~ 2670.00	38M1G7D	0.2459	38M0W7D	0.1775
50	2521.02 ~ 2664.99	47M7G7D	0.2488	47M7W7D	0.1707
80	2536.02 ~ 2649.99	77M4G7D	0.2259	77M5W7D	0.1726
90	2541.00 ~ 2644.98	87M4G7D	0.2244	87M6W7D	0.1743
100	2546.01 ~ 2640.00	97M3G7D	0.2207	97M1W7D	0.1747
Frequency Tolerance (ppm)		0.0021			



5G NR n71 (EN DC_2A-n71A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	665.5 ~ 695.5	4M48G7D	0.0620	4M49W7D	0.0467
10	668.0 ~ 693.0	9M29G7D	0.0620	9M27W7D	0.0471
15	670.5 ~ 690.5	14M2G7D	0.0620	14M1W7D	0.0458
20	673.0 ~ 688.0	18M9G7D	0.0622	19M0W7D	0.0444
Frequency Tolerance (ppm)		0.0026			

5G NR n77 (EN DC_5A-n77A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
20	3710.01 ~ 3969.99	18M3G7D	0.1654	18M3W7D	0.1314
30	3715.00 ~ 3965.00	27M9G7D	0.1600	27M9W7D	0.1332
40	3720.00 ~ 3960.00	38M2G7D	0.1615	37M9W7D	0.1347
50	3725.01 ~ 3954.99	47M7G7D	0.1639	47M6W7D	0.1314
80	3740.01 ~ 3939.99	77M5G7D	0.1604	77M5W7D	0.1350
90	3745.02 ~ 3734.98	87M0G7D	0.1626	87M0W7D	0.1344
100	3750.00 ~ 3930.00	97M7G7D	0.1662	97M3W7D	0.1305
Frequency Tolerance (ppm)		0.0023			

1.7 Testing Location

Sporton International (Shenzhen) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH01/02/03-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24
2.	03CH02-SZ	AUDIX	E3	6.2009-8-24a
3.	03CH03-SZ	AUDIX	E3	6.2009-8-24



1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 2, 27(M), 27 (N), 27(O)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases were recorded in this report.

The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

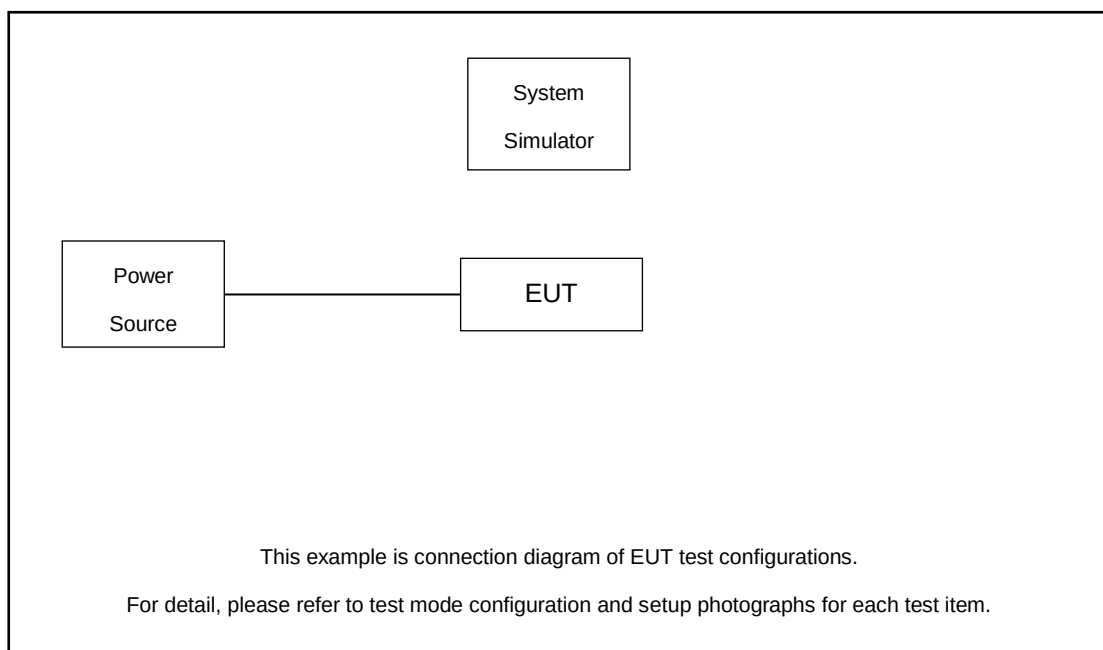
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

Test Items	5G NR	Bandwidth (MHz)								Modulation					RB #		Test Channel		
		5	10	15	20	30-40	50	80-90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Max. Output Power	n7	v	v	v	v	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n41	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n77	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n7				v	-	-	-	-	v	v				v	v	v	v	v
	n41	-	-	-	v					v	v				v	v	v	v	v
	n71				v	-	-	-	-	v	v				v	v	v	v	v
	n77	-	-	-	v					v	v				v	v	v	v	v
26dB and 99% Bandwidth	n7	v	v	v	v	-	-	-	-		v	v	v	v		v		v	
	n41	-	-	-	v	v	v	v	v		v	v	v	v		v		v	
	n71	v	v	v	v	-	-	-	-		v	v	v	v		v		v	
	n77	-	-	-	v	v	v	v	v		v	v	v	v		v		v	
Conducted Band Edge	n7	v	v		v	-	-	-	-	v	v				v	v	v		v
	n41	-	-	-	v		v		v	v	v				v	v	v		v
	n71	v	v		v	-	-	-	-	v	v				v	v	v		v
	n77	-	-	-	v		v		v	v	v				v	v	v		v



Test Items	5G NR	Bandwidth (MHz)								Modulation					RB #		Test Channel		
		5	10	15	20	30-40	50	80-90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Conducted Spurious Emission	n7	v	v		v	-	-	-	-	v	v				v		v	v	v
	n41	-	-	-	v		v		v	v	v				v		v	v	v
	n71	v	v		v	-	-	-	-	v	v				v		v	v	v
	n77	-	-	-	v		v		v	v	v				v		v	v	v
Frequency Stability	n7				v	-	-	-	-	v						v		v	
	n41	-	-	-	v					v	v					v		v	
	n71				v	-	-	-	-	v						v		v	
	n77	-	-	-	v					v						v		v	
E.R.P / E.I.R.P	n7	v	v	v	v	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n41	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n77	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n7	Worst Case															v	v	v
	n41	Worst Case															v	v	v
	n71	Worst Case															v	v	v
	n77	Worst Case															v	v	v
Note	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Based on engineering evaluation, only the worst modulation test results are shown in the report.																		

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 4.3 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 4.3 \text{ (dB)} \end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

5G NR n7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	502000	507000	512000
	Frequency	2510	2535	2560
15	Channel	501500	507000	512500
	Frequency	2507.5	2535	2562.5
10	Channel	501000	507000	513000
	Frequency	2505	2535	2565
5	Channel	500500	507000	513500
	Frequency	2502.5	2535	2567.5

5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99



5G NR n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5

5G NR n77 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3734.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647666	656000	664334
	Frequency	3715	3840	3965
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99

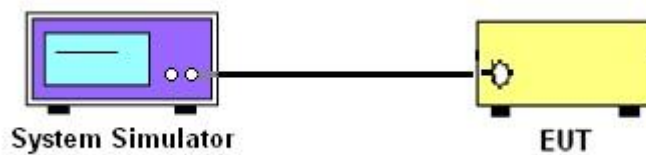
3 Conducted Test Items

3.1 Measuring Instruments

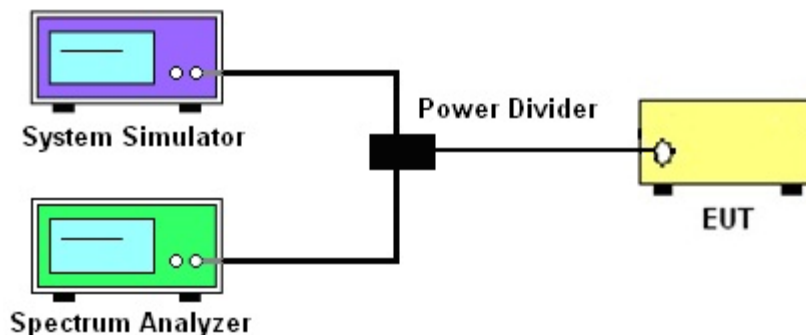
See list of measuring instruments of this test report.

3.2 Test Setup

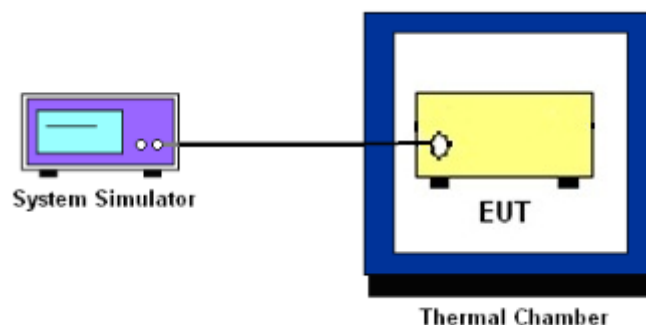
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n71.

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n7 and n41.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n77.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

27.53(l)(2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

9. For 5G NR n7/n41, the other 40 dB, and 55 dB have additionally applied same calculation above.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For 5G NR n7/n41:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm.
11. For 5G NR n7/n41
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [55 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25$ dBm.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

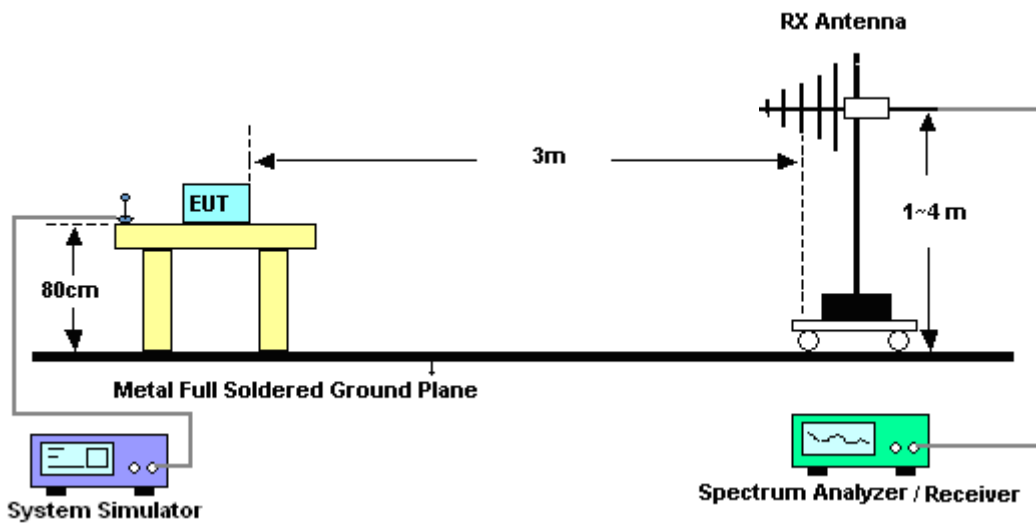
4 Radiated Test Items

4.1 Measuring Instruments

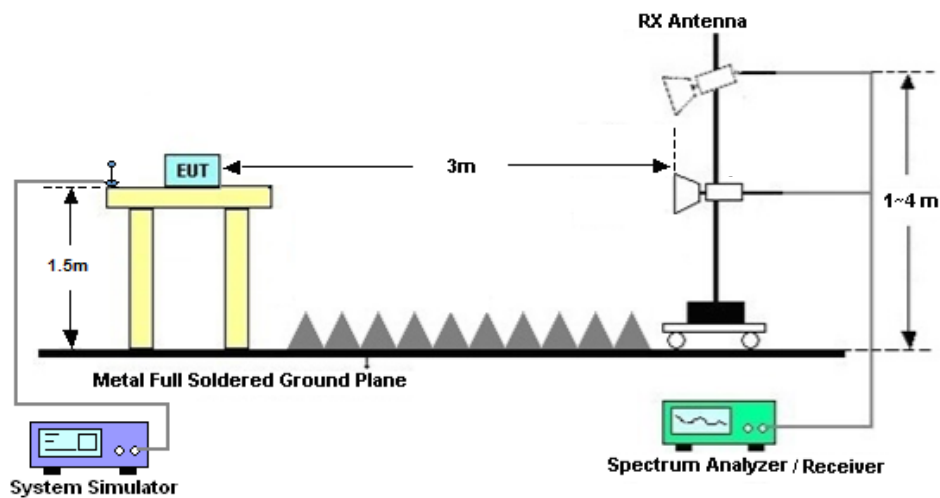
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For 5G NR n7/n41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

13. For 5G NR n7/n38/n41:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 17, 2020	Dec. 02, 2020~ Feb. 05, 2021	Apr. 16, 2021	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 22, 2020	Dec. 02, 2020~ Feb. 05, 2021	Jul. 21, 2021	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Jul. 21, 2020	Dec. 27, 2020	Jul. 20, 2021	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270104	0.5GHz~26.5Ghz	Dec. 27, 2020	Dec. 27, 2020	Dec. 26, 2021	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2020	Dec. 27, 2020	Jul. 14, 2021	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2020	Dec. 27, 2020	Jul. 24, 2021	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 23, 2020	Dec. 27, 2020	Apr. 22, 2021	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 17, 2020	Dec. 27, 2020	Apr. 16, 2021	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 17, 2020	Dec. 27, 2020	Oct. 16, 2021	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 21, 2020	Dec. 27, 2020	Jul. 20, 2021	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Dec. 27, 2020	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Dec. 27, 2020	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Dec. 27, 2020	NCR	Radiation (03CH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 21, 2020	Dec. 27, 2020	Jul. 20, 2021	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2020	Dec. 27, 2020	Jul. 14, 2021	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2020	Dec. 27, 2020	Jul. 24, 2021	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 21, 2020	Dec. 27, 2020	Jul. 20, 2021	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 23, 2020	Dec. 27, 2020	Apr. 22, 2021	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 16, 2020	Dec. 27, 2020	Oct. 15, 2021	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 16, 2020	Dec. 27, 2020	Oct. 15, 2021	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010002470	N/A	NCR	Dec. 27, 2020	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Dec. 27, 2020	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Dec. 27, 2020	NCR	Radiation (03CH02-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 17, 2020	Dec. 26, 2020~ Dec. 31, 2020	Apr. 16, 2021	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 17, 2020	Dec. 26, 2020~ Dec. 31, 2020	Apr. 16, 2021	Radiation (03CH03-SZ)



Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Jun. 22, 2020	Dec. 26, 2020~ Dec. 31, 2020	Jun. 21, 2021	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 30, 2020	Dec. 26, 2020~ Dec. 31, 2020	Apr. 29, 2021	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102210	0.01Hz ~3000MHz	Oct. 17, 2019	Dec. 26, 2020~ Dec. 31, 2020	Oct. 16, 2021	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 21, 2020	Dec. 26, 2020~ Dec. 31, 2020	Jul. 20, 2021	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 23, 2020	Dec. 26, 2020~ Dec. 31, 2020	Apr. 22, 2021	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 25, 2020	Dec. 26, 2020~ Dec. 31, 2020	Dec. 24, 2021	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Dec. 26, 2020~ Dec. 31, 2020	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Dec. 26, 2020~ Dec. 31, 2020	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Dec. 26, 2020~ Dec. 31, 2020	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

6 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

For <03CH01-SZ>:

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.48dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.53dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.02dB
---	--------

For <03CH02-SZ>:

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.47dB
---	--------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.31dB
---	--------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.72dB
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For <03CH03-SZ>:

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.0dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.6dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.8dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and EIRP)

5G NR n7 SA mode:

SA n7 (ANT3)20MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.36	0.2729	22.36	0.1722
		1	104	24.29	0.2685	22.29	0.1694
		50	25	24.37	0.2735	22.37	0.1726
	QPSK DFT-s-OFDM	1	1	24.33	0.271	22.33	0.171
		1	104	24.28	0.2679	22.28	0.169
		50	25	24.27	0.2673	22.27	0.1687
	16QAM DFT-s-OFDM	1	1	22.86	0.1932	20.86	0.1219
		1	104	22.82	0.1914	20.82	0.1208
		50	25	22.64	0.1837	20.64	0.1159
	64QAM DFT-s-OFDM	1	1	21.23	0.1327	19.23	0.0838
		1	104	21.18	0.1312	19.18	0.0828
		50	25	21.23	0.1327	19.23	0.0838
	256QAM DFT-s-OFDM	1	1	19.62	0.0916	17.62	0.0578
		1	104	19.60	0.0912	17.60	0.0575
		50	25	19.17	0.0826	17.17	0.0521
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.29	0.2685	22.29	0.1694
		1	104	24.33	0.271	22.33	0.171
		50	25	24.39	0.2748	22.39	0.1734
	QPSK DFT-s-OFDM	1	1	24.19	0.2624	22.19	0.1656
		1	104	24.32	0.2704	22.32	0.1706
		50	25	24.38	0.2742	22.38	0.173
	16QAM DFT-s-OFDM	1	1	22.57	0.1807	20.57	0.114
		1	104	22.66	0.1845	20.66	0.1164
		50	25	22.79	0.1901	20.79	0.1199
	64QAM DFT-s-OFDM	1	1	21.46	0.14	19.46	0.0883
		1	104	21.38	0.1374	19.38	0.0867
		50	25	21.17	0.1309	19.17	0.0826
	256QAM DFT-s-OFDM	1	1	19.98	0.0995	17.98	0.0628
		1	104	19.45	0.0881	17.45	0.0556
		50	25	19.36	0.0863	17.36	0.0545
QPSK CP-s-OFDM	1	1	22.29	0.1694	20.29	0.1069	
	1	104	22.09	0.1618	20.09	0.1021	
	53	26	22.35	0.1718	20.35	0.1084	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.35	0.2723	22.35	0.1718
		1	104	24.33	0.271	22.33	0.171
		50	25	24.25	0.2661	22.25	0.1679
	QPSK DFT-s-OFDM	1	1	24.34	0.2716	22.34	0.1714
		1	104	24.31	0.2698	22.31	0.1702
		50	25	24.23	0.2649	22.23	0.1671
	16QAM DFT-s-OFDM	1	1	22.86	0.1932	20.86	0.1219
		1	104	22.67	0.1849	20.67	0.1167
		50	25	22.73	0.1875	20.73	0.1183
	64QAM DFT-s-OFDM	1	1	21.38	0.1374	19.38	0.0867
		1	104	20.98	0.1253	18.98	0.0791
		50	25	21.22	0.1324	19.22	0.0836
	256QAM DFT-s-OFDM	1	1	19.35	0.0861	17.35	0.0543
		1	104	19.14	0.082	17.14	0.0518
		50	25	19.33	0.0857	17.33	0.0541

SA n7 (ANT3)15MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.27	0.2673	22.27	0.1687
		1	77	24.22	0.2642	22.22	0.1667
		36	18	24.19	0.2624	22.19	0.1656
	QPSK DFT-s-OFDM	1	1	24.29	0.2685	22.29	0.1694
		1	77	24.21	0.2636	22.21	0.1663
		36	18	24.24	0.2655	22.24	0.1675
	16QAM DFT-s-OFDM	1	1	22.80	0.1905	20.80	0.1202
		1	77	22.82	0.1914	20.82	0.1208
		36	18	22.77	0.1892	20.77	0.1194
	64QAM DFT-s-OFDM	1	1	21.25	0.1334	19.25	0.0841
		1	77	21.24	0.133	19.24	0.0839
		36	18	21.32	0.1355	19.32	0.0855
256QAM DFT-s-OFDM	1	1	19.59	0.091	17.59	0.0574	
	1	77	19.33	0.0857	17.33	0.0541	
	36	18	19.36	0.0863	17.36	0.0545	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.16	0.2606	22.16	0.1644
		1	77	24.18	0.2618	22.18	0.1652
		36	18	24.26	0.2667	22.26	0.1683
	QPSK DFT-s-OFDM	1	1	24.23	0.2649	22.23	0.1671
		1	77	24.25	0.2661	22.25	0.1679
		36	18	24.19	0.2624	22.19	0.1656
	16QAM DFT-s-OFDM	1	1	23.03	0.2009	21.03	0.1268
		1	77	23.12	0.2051	21.12	0.1294
		36	18	22.84	0.1923	20.84	0.1213
	64QAM DFT-s-OFDM	1	1	21.53	0.1422	19.53	0.0897
		1	77	21.21	0.1321	19.21	0.0834
		36	18	21.28	0.1343	19.28	0.0847
256QAM DFT-s-OFDM	1	1	19.72	0.0938	17.72	0.0592	
	1	77	19.35	0.0861	17.35	0.0543	
	36	18	19.36	0.0863	17.36	0.0545	
QPSK CP-s-OFDM	1	1	22.37	0.1726	20.37	0.1089	
	1	77	22.39	0.1734	20.39	0.1094	
	39	19	22.26	0.1683	20.26	0.1062	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.23	0.2649	22.23	0.1671
		1	77	24.17	0.2612	22.17	0.1648
		36	18	24.29	0.2685	22.29	0.1694
	QPSK DFT-s-OFDM	1	1	24.26	0.2667	22.26	0.1683
		1	77	24.18	0.2618	22.18	0.1652
		36	18	24.16	0.2606	22.16	0.1644
	16QAM DFT-s-OFDM	1	1	22.76	0.1888	20.76	0.1191
		1	77	22.61	0.1824	20.61	0.1151
		36	18	22.75	0.1884	20.75	0.1189
	64QAM DFT-s-OFDM	1	1	21.28	0.1343	19.28	0.0847
		1	77	21.32	0.1355	19.32	0.0855
		36	18	21.27	0.134	19.27	0.0845
256QAM DFT-s-OFDM	1	1	19.38	0.0867	17.38	0.0547	
	1	77	19.46	0.0883	17.46	0.0557	
	36	18	19.35	0.0861	17.35	0.0543	

SA n7 (ANT3)10MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.27	0.2673	22.27	0.1687
		1	50	24.23	0.2649	22.23	0.1671
		25	12	24.19	0.2624	22.19	0.1656
	QPSK DFT-s-OFDM	1	1	24.26	0.2667	22.26	0.1683
		1	50	24.21	0.2636	22.21	0.1663
		25	12	24.18	0.2618	22.18	0.1652
	16QAM DFT-s-OFDM	1	1	22.88	0.1941	20.88	0.1225
		1	50	22.70	0.1862	20.70	0.1175
		25	12	22.75	0.1884	20.75	0.1189
	64QAM DFT-s-OFDM	1	1	21.22	0.1324	19.22	0.0836
		1	50	21.48	0.1406	19.48	0.0887
		25	12	21.26	0.1337	19.26	0.0843
	256QAM DFT-s-OFDM	1	1	19.07	0.0807	17.07	0.0509
		1	50	19.43	0.0877	17.43	0.0553
		25	12	19.25	0.0841	17.25	0.0531
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.18	0.2618	22.18	0.1652
		1	50	24.12	0.2582	22.12	0.1629
		25	12	24.26	0.2667	22.26	0.1683
	QPSK DFT-s-OFDM	1	1	24.29	0.2685	22.29	0.1694
		1	50	24.14	0.2594	22.14	0.1637
		25	12	24.12	0.2582	22.12	0.1629
	16QAM DFT-s-OFDM	1	1	22.81	0.191	20.81	0.1205
		1	50	22.68	0.1854	20.68	0.1169
		25	12	22.91	0.1954	20.91	0.1233
	64QAM DFT-s-OFDM	1	1	21.47	0.1403	19.47	0.0885
		1	50	21.40	0.138	19.40	0.0871
		25	12	21.37	0.1371	19.37	0.0865
	256QAM DFT-s-OFDM	1	1	19.28	0.0847	17.28	0.0535
		1	50	19.69	0.0931	17.69	0.0587
		25	12	19.48	0.0887	17.48	0.056
QPSK CP-s-OFDM	1	1	22.19	0.1656	20.19	0.1045	
	1	50	22.32	0.1706	20.32	0.1076	
	26	13	22.51	0.1782	20.51	0.1125	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.19	0.2624	22.19	0.1656
		1	50	24.12	0.2582	22.12	0.1629
		25	12	24.25	0.2661	22.25	0.1679
	QPSK DFT-s-OFDM	1	1	24.26	0.2667	22.26	0.1683
		1	50	24.16	0.2606	22.16	0.1644
		25	12	24.13	0.2588	22.13	0.1633
	16QAM DFT-s-OFDM	1	1	22.84	0.1923	20.84	0.1213
		1	50	22.66	0.1845	20.66	0.1164
		25	12	22.90	0.195	20.90	0.123
	64QAM DFT-s-OFDM	1	1	21.50	0.1413	19.50	0.0891
		1	50	21.31	0.1352	19.31	0.0853
		25	12	21.38	0.1374	19.38	0.0867
	256QAM DFT-s-OFDM	1	1	19.62	0.0916	17.62	0.0578
		1	50	19.32	0.0855	17.32	0.054
		25	12	19.45	0.0881	17.45	0.0556

SA n7 (ANT3)5MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.11	0.2576	22.11	0.1626
		1	23	24.09	0.2564	22.09	0.1618
		12	6	24.21	0.2636	22.21	0.1663
	QPSK DFT-s-OFDM	1	1	24.17	0.2612	22.17	0.1648
		1	23	24.13	0.2588	22.13	0.1633
		12	6	24.22	0.2642	22.22	0.1667
	16QAM DFT-s-OFDM	1	1	22.70	0.1862	20.70	0.1175
		1	23	22.64	0.1837	20.64	0.1159
		12	6	22.81	0.191	20.81	0.1205
	64QAM DFT-s-OFDM	1	1	21.17	0.1309	19.17	0.0826
		1	23	21.59	0.1442	19.59	0.091
		12	6	21.26	0.1337	19.26	0.0843
	256QAM DFT-s-OFDM	1	1	19.40	0.0871	17.40	0.055
		1	23	19.54	0.0899	17.54	0.0568
		12	6	19.34	0.0859	17.34	0.0542
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.28	0.2679	22.28	0.169
		1	23	24.26	0.2667	22.26	0.1683
		12	6	24.35	0.2723	22.35	0.1718
	QPSK DFT-s-OFDM	1	1	24.21	0.2636	22.21	0.1663
		1	23	24.32	0.2704	22.32	0.1706
		12	6	24.28	0.2679	22.28	0.169
	16QAM DFT-s-OFDM	1	1	22.85	0.1928	20.85	0.1216
		1	23	22.41	0.1742	20.41	0.1099
		12	6	22.72	0.1871	20.72	0.118
	64QAM DFT-s-OFDM	1	1	21.16	0.1306	19.16	0.0824
		1	23	21.29	0.1346	19.29	0.0849
		12	6	21.27	0.134	19.27	0.0845
	256QAM DFT-s-OFDM	1	1	19.63	0.0918	17.63	0.0579
		1	23	19.40	0.0871	17.40	0.055
		12	6	19.34	0.0859	17.34	0.0542
	QPSK CP-s-OFDM	1	1	22.31	0.1702	20.31	0.1074
		1	23	22.65	0.1841	20.65	0.1161
		13	6	22.32	0.1706	20.32	0.1076
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.09	0.2564	22.09	0.1618
		1	23	23.98	0.25	21.98	0.1578
		12	6	23.81	0.2404	21.81	0.1517
	QPSK DFT-s-OFDM	1	1	24.07	0.2553	22.07	0.1611
		1	23	24.02	0.2523	22.02	0.1592
		12	6	23.76	0.2377	21.76	0.15
	16QAM DFT-s-OFDM	1	1	22.89	0.1945	20.89	0.1227
		1	23	22.83	0.1919	20.83	0.1211
		12	6	22.90	0.195	20.90	0.123
	64QAM DFT-s-OFDM	1	1	21.04	0.1271	19.04	0.0802
		1	23	21.33	0.1358	19.33	0.0857
		12	6	21.27	0.134	19.27	0.0845
	256QAM DFT-s-OFDM	1	1	19.53	0.0897	17.53	0.0566
		1	23	19.25	0.0841	17.25	0.0531
		12	6	19.48	0.0887	17.48	0.056

5G NR n41 HPUE SA mode:

SA n41 (ANT3)100MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	26.32	0.4285	24.32	0.2704
		1	271	26.47	0.4436	24.47	0.2799
		135	67	26.79	0.4775	24.79	0.3013
	QPSK DFT-s-OFDM	1	1	26.30	0.4266	24.30	0.2692
		1	271	26.45	0.4416	24.45	0.2786
		135	67	26.62	0.4592	24.62	0.2897
	16QAM DFT-s-OFDM	1	1	25.11	0.3243	23.11	0.2046
		1	271	25.03	0.3184	23.03	0.2009
		135	67	25.25	0.335	23.25	0.2113
	64QAM DFT-s-OFDM	1	1	23.49	0.2234	21.49	0.1409
		1	271	23.63	0.2307	21.63	0.1455
		135	67	23.73	0.236	21.73	0.1489
	256QAM DFT-s-OFDM	1	1	21.74	0.1493	19.74	0.0942
		1	271	21.58	0.1439	19.58	0.0908
		135	67	21.84	0.1528	19.84	0.0964
Middle	PI/2 BPSK DFT-s-OFDM	1	1	26.24	0.4207	24.24	0.2655
		1	271	26.13	0.4102	24.13	0.2588
		135	67	26.13	0.4102	24.13	0.2588
	QPSK DFT-s-OFDM	1	1	26.19	0.4159	24.19	0.2624
		1	271	26.11	0.4083	24.11	0.2576
		135	67	26.15	0.4121	24.15	0.26
	16QAM DFT-s-OFDM	1	1	25.25	0.335	23.25	0.2113
		1	271	25.24	0.3342	23.24	0.2109
		135	67	25.22	0.3327	23.22	0.2099
	64QAM DFT-s-OFDM	1	1	23.69	0.2339	21.69	0.1476
		1	271	23.79	0.2393	21.79	0.151
		135	67	23.80	0.2399	21.80	0.1514
	256QAM DFT-s-OFDM	1	1	21.86	0.1535	19.86	0.0968
		1	271	21.84	0.1528	19.84	0.0964
		135	67	21.81	0.1517	19.81	0.0957
QPSK CP-s-OFDM	1	1	25.01	0.317	23.01	0.2	
	1	271	24.76	0.2992	22.76	0.1888	
	137	68	24.85	0.3055	22.85	0.1928	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	26.12	0.4093	24.12	0.2582
		1	271	26.09	0.4064	24.09	0.2564
		135	67	26.16	0.413	24.16	0.2606
	QPSK DFT-s-OFDM	1	1	26.14	0.4111	24.14	0.2594
		1	271	26.15	0.4121	24.15	0.26
		135	67	26.10	0.4074	24.10	0.257
	16QAM DFT-s-OFDM	1	1	25.34	0.342	23.34	0.2158
		1	271	25.18	0.3296	23.18	0.208
		135	67	25.23	0.3334	23.23	0.2104
	64QAM DFT-s-OFDM	1	1	23.81	0.2404	21.81	0.1517
		1	271	23.64	0.2312	21.64	0.1459
		135	67	23.77	0.2382	21.77	0.1503
	256QAM DFT-s-OFDM	1	1	21.92	0.1556	19.92	0.0982
		1	271	21.95	0.1567	19.95	0.0989
		135	67	21.73	0.1489	19.73	0.094

SA n41 (ANT3)90MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	26.26	0.4227	24.26	0.2667
		1	243	26.11	0.4083	24.11	0.2576
		120	60	26.27	0.4236	24.27	0.2673
	QPSK DFT-s-OFDM	1	1	26.35	0.4315	24.35	0.2723
		1	243	26.12	0.4093	24.12	0.2582
		120	60	26.24	0.4207	24.24	0.2655
	16QAM DFT-s-OFDM	1	1	25.26	0.3357	23.26	0.2118
		1	243	25.14	0.3266	23.14	0.2061
		120	60	25.33	0.3412	23.33	0.2153
	64QAM DFT-s-OFDM	1	1	23.89	0.2449	21.89	0.1545
		1	243	23.94	0.2477	21.94	0.1563
		120	60	23.87	0.2438	21.87	0.1538
256QAM DFT-s-OFDM	1	1	21.79	0.151	19.79	0.0953	
	1	243	21.82	0.1521	19.82	0.0959	
	120	60	21.96	0.157	19.96	0.0991	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	26.30	0.4266	24.30	0.2692
		1	243	25.89	0.3882	23.89	0.2449
		120	60	26.16	0.413	24.16	0.2606
	QPSK DFT-s-OFDM	1	1	25.25	0.335	23.25	0.2113
		1	243	25.82	0.3819	23.82	0.241
		120	60	26.14	0.4111	24.14	0.2594
	16QAM DFT-s-OFDM	1	1	25.41	0.3475	23.41	0.2193
		1	243	25.11	0.3243	23.11	0.2046
		120	60	25.31	0.3396	23.31	0.2143
	64QAM DFT-s-OFDM	1	1	23.82	0.241	21.82	0.1521
		1	243	23.75	0.2371	21.75	0.1496
		120	60	23.86	0.2432	21.86	0.1535
256QAM DFT-s-OFDM	1	1	21.85	0.1531	19.85	0.0966	
	1	243	21.81	0.1517	19.81	0.0957	
	120	60	21.92	0.1556	19.92	0.0982	
QPSK CP-s-OFDM	1	1	24.88	0.3076	22.88	0.1941	
	1	243	24.97	0.3141	22.97	0.1982	
	123	61	24.84	0.3048	22.84	0.1923	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	26.03	0.4009	24.03	0.2529
		1	243	25.19	0.3304	23.19	0.2084
		120	60	25.83	0.3828	23.83	0.2415
	QPSK DFT-s-OFDM	1	1	26.07	0.4046	24.07	0.2553
		1	243	25.22	0.3327	23.22	0.2099
		120	60	25.85	0.3846	23.85	0.2427
	16QAM DFT-s-OFDM	1	1	25.33	0.3412	23.33	0.2153
		1	243	25.27	0.3365	23.27	0.2123
		120	60	25.20	0.3311	23.20	0.2089
	64QAM DFT-s-OFDM	1	1	23.75	0.2371	21.75	0.1496
		1	243	23.48	0.2228	21.48	0.1406
		120	60	23.81	0.2404	21.81	0.1517
256QAM DFT-s-OFDM	1	1	21.82	0.1521	19.82	0.0959	
	1	243	21.58	0.1439	19.58	0.0908	
	120	60	21.81	0.1517	19.81	0.0957	

SA n41 (ANT3)80MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	26.37	0.4335	24.37	0.2735
		1	215	26.20	0.4169	24.20	0.263
		108	54	26.21	0.4178	24.21	0.2636
	QPSK DFT-s-OFDM	1	1	26.42	0.4385	24.42	0.2767
		1	215	26.14	0.4111	24.14	0.2594
		108	54	26.27	0.4236	24.27	0.2673
	16QAM DFT-s-OFDM	1	1	25.28	0.3373	23.28	0.2128
		1	215	25.29	0.3381	23.29	0.2133
		108	54	25.39	0.3459	23.39	0.2183
	64QAM DFT-s-OFDM	1	1	23.97	0.2495	21.97	0.1574
		1	215	23.70	0.2344	21.70	0.1479
		108	54	23.96	0.2489	21.96	0.157
	256QAM DFT-s-OFDM	1	1	21.95	0.1567	19.95	0.0989
		1	215	21.71	0.1483	19.71	0.0935
		108	54	22.08	0.1614	20.08	0.1019
Middle	PI/2 BPSK DFT-s-OFDM	1	1	26.24	0.4207	24.24	0.2655
		1	215	25.91	0.3899	23.91	0.246
		108	54	26.12	0.4093	24.12	0.2582
	QPSK DFT-s-OFDM	1	1	26.30	0.4266	24.30	0.2692
		1	215	25.94	0.3926	23.94	0.2477
		108	54	26.20	0.4169	24.20	0.263
	16QAM DFT-s-OFDM	1	1	25.51	0.3556	23.51	0.2244
		1	215	25.35	0.3428	23.35	0.2163
		108	54	25.46	0.3516	23.46	0.2218
	64QAM DFT-s-OFDM	1	1	23.94	0.2477	21.94	0.1563
		1	215	23.87	0.2438	21.87	0.1538
		108	54	23.97	0.2495	21.97	0.1574
	256QAM DFT-s-OFDM	1	1	22.16	0.1644	20.16	0.1038
		1	215	21.75	0.1496	19.75	0.0944
		108	54	21.97	0.1574	19.97	0.0993
QPSK CP-s-OFDM	1	1	24.80	0.302	22.80	0.1905	
	1	215	24.94	0.3119	22.94	0.1968	
	109	54	24.99	0.3155	22.99	0.1991	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	26.09	0.4064	24.09	0.2564
		1	215	25.48	0.3532	23.48	0.2228
		108	54	25.87	0.3864	23.87	0.2438
	QPSK DFT-s-OFDM	1	1	26.07	0.4046	24.07	0.2553
		1	215	25.55	0.3589	23.55	0.2265
		108	54	25.88	0.3873	23.88	0.2443
	16QAM DFT-s-OFDM	1	1	25.45	0.3508	23.45	0.2213
		1	215	25.59	0.3622	23.59	0.2286
		108	54	25.53	0.3573	23.53	0.2254
	64QAM DFT-s-OFDM	1	1	24.10	0.257	22.10	0.1622
		1	215	24.03	0.2529	22.03	0.1596
		108	54	24.19	0.2624	22.19	0.1656
	256QAM DFT-s-OFDM	1	1	22.14	0.1637	20.14	0.1033
		1	215	22.07	0.1611	20.07	0.1016
		108	54	22.01	0.1589	20.01	0.1002

SA n41 (ANT3)50MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	26.73	0.471	24.73	0.2972
		1	131	26.52	0.4487	24.52	0.2831
		64	32	26.66	0.4634	24.66	0.2924
	QPSK DFT-s-OFDM	1	1	26.69	0.4667	24.69	0.2944
		1	131	26.47	0.4436	24.47	0.2799
		64	32	26.64	0.4613	24.64	0.2911
	16QAM DFT-s-OFDM	1	1	25.06	0.3206	23.06	0.2023
		1	131	25.16	0.3281	23.16	0.207
		64	32	25.30	0.3388	23.30	0.2138
	64QAM DFT-s-OFDM	1	1	23.47	0.2223	21.47	0.1403
		1	131	23.85	0.2427	21.85	0.1531
		64	32	23.53	0.2254	21.53	0.1422
	256QAM DFT-s-OFDM	1	1	21.76	0.15	19.76	0.0946
		1	131	21.59	0.1442	19.59	0.091
		64	32	21.86	0.1535	19.86	0.0968
Middle	PI/2 BPSK DFT-s-OFDM	1	1	26.56	0.4529	24.56	0.2858
		1	131	26.33	0.4295	24.33	0.271
		64	32	26.32	0.4285	24.32	0.2704
	QPSK DFT-s-OFDM	1	1	26.42	0.4385	24.42	0.2767
		1	131	26.30	0.4266	24.30	0.2692
		64	32	26.33	0.4295	24.33	0.271
	16QAM DFT-s-OFDM	1	1	25.32	0.3404	23.32	0.2148
		1	131	25.15	0.3273	23.15	0.2065
		64	32	25.25	0.335	23.25	0.2113
	64QAM DFT-s-OFDM	1	1	23.36	0.2168	21.36	0.1368
		1	131	23.82	0.241	21.82	0.1521
		64	32	23.47	0.2223	21.47	0.1403
	256QAM DFT-s-OFDM	1	1	21.67	0.1469	19.67	0.0927
		1	131	21.52	0.1419	19.52	0.0895
		64	32	21.78	0.1507	19.78	0.0951
QPSK CP-s-OFDM	1	1	24.86	0.3062	22.86	0.1932	
	1	131	24.79	0.3013	22.79	0.1901	
	67	33	24.92	0.3105	22.92	0.1959	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	26.11	0.4083	24.11	0.2576
		1	131	25.87	0.3864	23.87	0.2438
		64	32	26.01	0.399	24.01	0.2518
	QPSK DFT-s-OFDM	1	1	26.13	0.4102	24.13	0.2588
		1	131	25.85	0.3846	23.85	0.2427
		64	32	25.98	0.3963	23.98	0.25
	16QAM DFT-s-OFDM	1	1	25.34	0.342	23.34	0.2158
		1	131	25.16	0.3281	23.16	0.207
		64	32	25.16	0.3281	23.16	0.207
	64QAM DFT-s-OFDM	1	1	23.76	0.2377	21.76	0.15
		1	131	23.70	0.2344	21.70	0.1479
		64	32	23.48	0.2228	21.48	0.1406
	256QAM DFT-s-OFDM	1	1	21.88	0.1542	19.88	0.0973
		1	131	21.49	0.1409	19.49	0.0889
		64	32	21.80	0.1514	19.80	0.0955

SA n41 (ANT3)40MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	26.73	0.471	24.73	0.2972
		1	104	26.64	0.4613	24.64	0.2911
		50	25	26.74	0.4721	24.74	0.2979
	QPSK DFT-s-OFDM	1	1	26.43	0.4395	24.43	0.2773
		1	104	26.71	0.4688	24.71	0.2958
		50	25	26.73	0.471	24.73	0.2972
	16QAM DFT-s-OFDM	1	1	25.36	0.3436	23.36	0.2168
		1	104	25.20	0.3311	23.20	0.2089
		50	25	25.26	0.3357	23.26	0.2118
	64QAM DFT-s-OFDM	1	1	23.84	0.2421	21.84	0.1528
		1	104	23.58	0.228	21.58	0.1439
		50	25	23.56	0.227	21.56	0.1432
	256QAM DFT-s-OFDM	1	1	21.78	0.1507	19.78	0.0951
		1	104	21.71	0.1483	19.71	0.0935
		50	25	21.67	0.1469	19.67	0.0927
Middle	PI/2 BPSK DFT-s-OFDM	1	1	26.66	0.4634	24.66	0.2924
		1	104	24.44	0.278	22.44	0.1754
		50	25	26.41	0.4375	24.41	0.2761
	QPSK DFT-s-OFDM	1	1	26.78	0.4764	24.78	0.3006
		1	104	26.26	0.4227	24.26	0.2667
		50	25	26.50	0.4467	24.50	0.2818
	16QAM DFT-s-OFDM	1	1	25.02	0.3177	23.02	0.2004
		1	104	25.10	0.3236	23.10	0.2042
		50	25	25.10	0.3236	23.10	0.2042
	64QAM DFT-s-OFDM	1	1	23.44	0.2208	21.44	0.1393
		1	104	23.67	0.2328	21.67	0.1469
		50	25	23.47	0.2223	21.47	0.1403
	256QAM DFT-s-OFDM	1	1	21.62	0.1452	19.62	0.0916
		1	104	21.75	0.1496	19.75	0.0944
		50	25	21.71	0.1483	19.71	0.0935
QPSK CP-s-OFDM	1	1	24.83	0.3041	22.83	0.1919	
	1	104	24.95	0.3126	22.95	0.1972	
	53	26	24.83	0.3041	22.83	0.1919	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	26.17	0.414	24.17	0.2612
		1	104	25.91	0.3899	23.91	0.246
		50	25	26.10	0.4074	24.10	0.257
	QPSK DFT-s-OFDM	1	1	26.21	0.4178	24.21	0.2636
		1	104	25.80	0.3802	23.80	0.2399
		50	25	26.12	0.4093	24.12	0.2582
	16QAM DFT-s-OFDM	1	1	25.20	0.3311	23.20	0.2089
		1	104	25.07	0.3214	23.07	0.2028
		50	25	25.17	0.3289	23.17	0.2075
	64QAM DFT-s-OFDM	1	1	23.65	0.2317	21.65	0.1462
		1	104	23.86	0.2432	21.86	0.1535
		50	25	23.67	0.2328	21.67	0.1469
	256QAM DFT-s-OFDM	1	1	21.81	0.1517	19.81	0.0957
		1	104	21.56	0.1432	19.56	0.0904
		50	25	21.75	0.1496	19.75	0.0944

SA n41 (ANT3)30MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	26.76	0.4742	24.76	0.2992
		1	76	26.75	0.4732	24.75	0.2985
		36	18	26.64	0.4613	24.64	0.2911
	QPSK DFT-s-OFDM	1	1	26.71	0.4688	24.71	0.2958
		1	76	26.73	0.471	24.73	0.2972
		36	18	26.62	0.4592	24.62	0.2897
	16QAM DFT-s-OFDM	1	1	24.99	0.3155	22.99	0.1991
		1	76	25.06	0.3206	23.06	0.2023
		36	18	25.28	0.3373	23.28	0.2128
	64QAM DFT-s-OFDM	1	1	23.55	0.2265	21.55	0.1429
		1	76	23.63	0.2307	21.63	0.1455
		36	18	23.45	0.2213	21.45	0.1396
	256QAM DFT-s-OFDM	1	1	21.86	0.1535	19.86	0.0968
		1	76	21.45	0.1396	19.45	0.0881
		36	18	21.53	0.1422	19.53	0.0897
Middle	PI/2 BPSK DFT-s-OFDM	1	1	26.53	0.4498	24.53	0.2838
		1	76	26.40	0.4365	24.40	0.2754
		36	18	26.38	0.4345	24.38	0.2742
	QPSK DFT-s-OFDM	1	1	26.54	0.4508	24.54	0.2844
		1	76	26.42	0.4385	24.42	0.2767
		36	18	26.40	0.4365	24.40	0.2754
	16QAM DFT-s-OFDM	1	1	25.17	0.3289	23.17	0.2075
		1	76	25.13	0.3258	23.13	0.2056
		36	18	25.22	0.3327	23.22	0.2099
	64QAM DFT-s-OFDM	1	1	23.66	0.2323	21.66	0.1466
		1	76	23.57	0.2275	21.57	0.1435
		36	18	23.67	0.2328	21.67	0.1469
	256QAM DFT-s-OFDM	1	1	21.70	0.1479	19.70	0.0933
		1	76	21.68	0.1472	19.68	0.0929
		36	18	21.79	0.151	19.79	0.0953
QPSK CP-s-OFDM	1	1	24.91	0.3097	22.91	0.1954	
	1	76	24.69	0.2944	22.69	0.1858	
	39	19	24.83	0.3041	22.83	0.1919	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	26.19	0.4159	24.19	0.2624
		1	76	26.02	0.3999	24.02	0.2523
		36	18	26.02	0.3999	24.02	0.2523
	QPSK DFT-s-OFDM	1	1	26.13	0.4102	24.13	0.2588
		1	76	26.03	0.4009	24.03	0.2529
		36	18	26.05	0.4027	24.05	0.2541
	16QAM DFT-s-OFDM	1	1	25.10	0.3236	23.10	0.2042
		1	76	25.10	0.3236	23.10	0.2042
		36	18	25.15	0.3273	23.15	0.2065
	64QAM DFT-s-OFDM	1	1	23.80	0.2399	21.80	0.1514
		1	76	23.70	0.2344	21.70	0.1479
		36	18	23.75	0.2371	21.75	0.1496
	256QAM DFT-s-OFDM	1	1	21.73	0.1489	19.73	0.094
		1	76	21.92	0.1556	19.92	0.0982
		36	18	21.54	0.1426	19.54	0.0899

SA n41 (ANT3)20MHz (GT - LC = -2 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	26.59	0.456	24.59	0.2877
		1	49	26.64	0.4613	24.64	0.2911
		25	12	26.61	0.4581	24.61	0.2891
	QPSK DFT-s-OFDM	1	1	26.71	0.4688	24.71	0.2958
		1	49	26.61	0.4581	24.61	0.2891
		25	12	26.66	0.4634	24.66	0.2924
	16QAM DFT-s-OFDM	1	1	25.10	0.3236	23.10	0.2042
		1	49	25.29	0.3381	23.29	0.2133
		25	12	25.11	0.3243	23.11	0.2046
	64QAM DFT-s-OFDM	1	1	23.58	0.228	21.58	0.1439
		1	49	23.73	0.236	21.73	0.1489
		25	12	23.73	0.236	21.73	0.1489
	256QAM DFT-s-OFDM	1	1	21.62	0.1452	19.62	0.0916
		1	49	21.87	0.1538	19.87	0.0971
		25	12	21.85	0.1531	19.85	0.0966
Middle	PI/2 BPSK DFT-s-OFDM	1	1	26.33	0.4295	24.33	0.271
		1	49	26.15	0.4121	24.15	0.26
		25	12	26.22	0.4188	24.22	0.2642
	QPSK DFT-s-OFDM	1	1	26.32	0.4285	24.32	0.2704
		1	49	26.11	0.4083	24.11	0.2576
		25	12	26.27	0.4236	24.27	0.2673
	16QAM DFT-s-OFDM	1	1	25.04	0.3192	23.04	0.2014
		1	49	25.34	0.342	23.34	0.2158
		25	12	25.17	0.3289	23.17	0.2075
	64QAM DFT-s-OFDM	1	1	23.35	0.2163	21.35	0.1365
		1	49	23.84	0.2421	21.84	0.1528
		25	12	23.61	0.2296	21.61	0.1449
	256QAM DFT-s-OFDM	1	1	21.63	0.1455	19.63	0.0918
		1	49	21.62	0.1452	19.62	0.0916
		25	12	21.79	0.151	19.79	0.0953
QPSK CP-s-OFDM	1	1	25.00	0.3162	23.00	0.1995	
	1	49	24.98	0.3148	22.98	0.1986	
	25	12	24.79	0.3013	22.79	0.1901	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	26.11	0.4083	24.11	0.2576
		1	49	25.76	0.3767	23.76	0.2377
		25	12	25.88	0.3873	23.88	0.2443
	QPSK DFT-s-OFDM	1	1	26.07	0.4046	24.07	0.2553
		1	49	25.87	0.3864	23.87	0.2438
		25	12	25.95	0.3936	23.95	0.2483
	16QAM DFT-s-OFDM	1	1	25.29	0.3381	23.29	0.2133
		1	49	25.12	0.3251	23.12	0.2051
		25	12	25.32	0.3404	23.32	0.2148
	64QAM DFT-s-OFDM	1	1	23.80	0.2399	21.80	0.1514
		1	49	23.56	0.227	21.56	0.1432
		25	12	23.72	0.2355	21.72	0.1486
	256QAM DFT-s-OFDM	1	1	21.77	0.1503	19.77	0.0948
		1	49	21.91	0.1552	19.91	0.0979
		25	12	21.63	0.1455	19.63	0.0918

5G NR n41 UL_MIMO SA mode:

ULMIMO SA n41 (ANT3+ANT0)100MHz (GT - LC = 0.76 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK CP-OFDM	1	1	24.62	0.2898	25.38	0.3453
		1	271	24.28	0.268	25.04	0.3193
		137	68	24.57	0.2865	25.33	0.3412
	16QAM CP-OFDM	1	1	24.23	0.2649	24.99	0.3155
		1	271	23.72	0.2354	24.48	0.2805
		137	68	24.03	0.2527	24.79	0.301
	64QAM CP-s-OFDM	1	1	22.78	0.1895	23.54	0.2257
		1	271	22.79	0.1899	23.55	0.2262
		135	67	23.87	0.2438	24.63	0.2904
	256QAM CP-s-OFDM	1	1	19.94	0.0986	20.70	0.1174
		1	271	19.86	0.0967	20.62	0.1152
		135	67	19.68	0.0929	20.44	0.1107
Middle	QPSK CP-OFDM	1	1	24.48	0.2803	25.24	0.3339
		1	271	24.07	0.255	24.83	0.3038
		137	68	24.28	0.268	25.04	0.3192
	16QAM CP-OFDM	1	1	24.12	0.2583	24.88	0.3077
		1	271	23.41	0.219	24.17	0.2609
		137	68	23.85	0.2424	24.61	0.2888
	64QAM CP-s-OFDM	1	1	22.69	0.1856	23.45	0.2211
		1	271	22.84	0.1922	23.60	0.229
		135	67	23.77	0.2384	24.53	0.284
	256QAM CP-s-OFDM	1	1	19.82	0.096	20.58	0.1143
		1	271	19.84	0.0964	20.60	0.1149
		135	67	19.75	0.0944	20.51	0.1125
Highest	QPSK CP-OFDM	1	1	24.45	0.2786	25.21	0.3319
		1	271	23.83	0.2413	24.59	0.2874
		137	68	24.09	0.2562	24.85	0.3052
	16QAM CP-OFDM	1	1	24.08	0.2559	24.84	0.3048
		1	271	23.50	0.2239	24.26	0.2667
		137	68	23.60	0.2291	24.36	0.2729
	64QAM CP-s-OFDM	1	1	22.92	0.1959	23.68	0.2334
		1	271	22.98	0.1984	23.74	0.2363
		135	67	23.92	0.2466	24.68	0.2938
	256QAM CP-s-OFDM	1	1	19.73	0.094	20.49	0.112
		1	271	19.86	0.0968	20.62	0.1154
		135	67	19.81	0.0957	20.57	0.114

ULMIMO SA n41 (ANT3+ANT0)90MHz (GT - LC = 0.76 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK CP-OFDM	1	1	24.66	0.2925	25.42	0.3485
		1	243	24.39	0.2748	25.15	0.3274
		123	61	24.66	0.2922	25.42	0.3481
	16QAM CP-OFDM	1	1	24.23	0.2649	24.99	0.3156
		1	243	23.86	0.2432	24.62	0.2898
		123	61	24.16	0.2604	24.92	0.3102
	64QAM CP-s-OFDM	1	1	22.77	0.1894	23.53	0.2257
		1	243	22.80	0.1903	23.56	0.2267
		120	60	23.70	0.2342	24.46	0.279
	256QAM CP-s-OFDM	1	1	19.89	0.0974	20.65	0.1161
		1	243	19.88	0.0972	20.64	0.1158
		120	60	19.67	0.0926	20.43	0.1103
Middle	QPSK CP-OFDM	1	1	24.53	0.2835	25.29	0.3377
		1	243	23.96	0.2487	24.72	0.2962
		123	61	24.09	0.2565	24.85	0.3055
	16QAM CP-OFDM	1	1	24.33	0.2707	25.09	0.3225
		1	243	23.99	0.2506	24.75	0.2986
		123	61	23.59	0.2283	24.35	0.272
	64QAM CP-s-OFDM	1	1	22.64	0.1835	23.40	0.2185
		1	243	22.86	0.1931	23.62	0.23
		120	60	23.57	0.2276	24.33	0.2711
	256QAM CP-s-OFDM	1	1	19.78	0.0951	20.54	0.1132
		1	243	19.71	0.0935	20.47	0.1114
		120	60	19.80	0.0954	20.56	0.1136
Highest	QPSK CP-OFDM	1	1	24.49	0.281	25.25	0.3347
		1	243	24.15	0.2599	24.91	0.3097
		123	61	24.20	0.2627	24.96	0.313
	16QAM CP-OFDM	1	1	24.04	0.2536	24.80	0.3021
		1	243	23.62	0.2299	24.38	0.2739
		123	61	23.69	0.2337	24.45	0.2784
	64QAM CP-s-OFDM	1	1	22.76	0.1889	23.52	0.225
		1	243	22.85	0.1925	23.61	0.2294
		120	60	23.73	0.2358	24.49	0.2809
	256QAM CP-s-OFDM	1	1	19.99	0.0998	20.75	0.1189
		1	243	19.75	0.0943	20.51	0.1123
		120	60	19.67	0.0926	20.43	0.1103

ULMIMO SA n41 (ANT3+ANT0)80MHz (GT - LC = 0.76 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK CP-OFDM	1	1	24.72	0.2966	25.48	0.3533
		1	215	24.36	0.2726	25.12	0.3247
		109	54	24.71	0.2955	25.47	0.352
	16QAM CP-OFDM	1	1	24.24	0.2656	25.00	0.3164
		1	215	24.07	0.2553	24.83	0.3042
		109	54	24.20	0.2631	24.96	0.3134
	64QAM CP-s-OFDM	1	1	22.85	0.1928	23.61	0.2296
		1	215	22.98	0.1986	23.74	0.2366
		108	54	23.78	0.2385	24.54	0.2842
	256QAM CP-s-OFDM	1	1	19.93	0.0985	20.69	0.1173
		1	215	19.81	0.0957	20.57	0.114
		108	54	19.74	0.0942	20.50	0.1122
Middle	QPSK CP-OFDM	1	1	24.70	0.2948	25.46	0.3512
		1	215	24.21	0.2637	24.97	0.3141
		109	54	24.50	0.2815	25.26	0.3354
	16QAM CP-OFDM	1	1	24.26	0.2669	25.02	0.318
		1	215	24.35	0.2723	25.11	0.3244
		109	54	23.96	0.2489	24.72	0.2965
	64QAM CP-s-OFDM	1	1	22.65	0.1841	23.41	0.2193
		1	215	22.84	0.1924	23.60	0.2291
		108	54	23.63	0.2309	24.39	0.275
	256QAM CP-s-OFDM	1	1	19.80	0.0954	20.56	0.1136
		1	215	19.77	0.0949	20.53	0.113
		108	54	19.70	0.0932	20.46	0.1111
Highest	QPSK CP-OFDM	1	1	24.48	0.2806	25.24	0.3343
		1	215	24.01	0.2518	24.77	0.2999
		109	54	24.18	0.2615	24.94	0.3116
	16QAM CP-OFDM	1	1	23.87	0.2438	24.63	0.2904
		1	215	23.42	0.2197	24.18	0.2617
		109	54	23.68	0.2331	24.44	0.2777
	64QAM CP-s-OFDM	1	1	22.90	0.1949	23.66	0.2322
		1	215	22.84	0.1921	23.60	0.2288
		108	54	23.63	0.2304	24.39	0.2745
	256QAM CP-s-OFDM	1	1	19.94	0.0986	20.70	0.1175
		1	215	19.98	0.0995	20.74	0.1186
		108	54	19.72	0.0937	20.48	0.1116

ULMIMO SA n41 (ANT3+ANT0)50MHz (GT - LC = 0.76 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK CP-OFDM	1	1	24.95	0.3123	25.71	0.372
		1	131	25.20	0.3308	25.96	0.394
		67	33	25.08	0.3219	25.84	0.3834
	16QAM CP-OFDM	1	1	24.60	0.2882	25.36	0.3434
		1	131	24.55	0.2848	25.31	0.3393
		67	33	24.57	0.2865	25.33	0.3413
	64QAM CP-s-OFDM	1	1	22.93	0.1965	23.69	0.234
		1	131	22.97	0.1979	23.73	0.2358
		64	32	23.86	0.2432	24.62	0.2898
	256QAM CP-s-OFDM	1	1	19.78	0.0951	20.54	0.1133
		1	131	19.86	0.0967	20.62	0.1152
		64	32	19.76	0.0945	20.52	0.1126
Middle	QPSK CP-OFDM	1	1	24.81	0.3027	25.57	0.3606
		1	131	24.70	0.2951	25.46	0.3516
		67	33	24.79	0.3014	25.55	0.359
	16QAM CP-OFDM	1	1	24.48	0.2803	25.24	0.3339
		1	131	24.38	0.2743	25.14	0.3267
		67	33	24.78	0.3004	25.54	0.3578
	64QAM CP-s-OFDM	1	1	22.71	0.1865	23.47	0.2221
		1	131	22.83	0.192	23.59	0.2288
		64	32	23.56	0.227	24.32	0.2704
	256QAM CP-s-OFDM	1	1	20.03	0.1007	20.79	0.12
		1	131	19.75	0.0943	20.51	0.1123
		64	32	19.75	0.0944	20.51	0.1125
Highest	QPSK CP-OFDM	1	1	24.48	0.2806	25.24	0.3342
		1	131	24.29	0.2687	25.05	0.3201
		67	33	24.47	0.2796	25.23	0.3331
	16QAM CP-OFDM	1	1	23.95	0.2481	24.71	0.2955
		1	131	23.93	0.2469	24.69	0.2941
		67	33	23.89	0.2446	24.65	0.2914
	64QAM CP-s-OFDM	1	1	22.89	0.1946	23.65	0.2318
		1	131	22.98	0.1984	23.74	0.2363
		64	32	23.56	0.2267	24.32	0.2701
	256QAM CP-s-OFDM	1	1	19.82	0.096	20.58	0.1143
		1	131	19.87	0.0971	20.63	0.1157
		64	32	19.80	0.0955	20.56	0.1138

ULMIMO SA n41 (ANT3+ANT0)40MHz (GT - LC = 0.76 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK CP-OFDM	1	1	25.04	0.3192	25.80	0.3802
		1	104	25.14	0.3267	25.90	0.3891
		53	26	25.01	0.3171	25.77	0.3777
	16QAM CP-OFDM	1	1	24.67	0.2932	25.43	0.3493
		1	104	24.75	0.2986	25.51	0.3557
		53	26	24.49	0.2813	25.25	0.335
	64QAM CP-s-OFDM	1	1	22.92	0.196	23.68	0.2334
		1	104	22.73	0.1875	23.49	0.2234
		50	25	23.71	0.235	24.47	0.2799
	256QAM CP-s-OFDM	1	1	19.85	0.0966	20.61	0.1151
		1	104	19.91	0.0979	20.67	0.1166
		50	25	19.81	0.0956	20.57	0.1139
Middle	QPSK CP-OFDM	1	1	24.91	0.3098	25.67	0.369
		1	104	24.71	0.2958	25.47	0.3524
		53	26	24.82	0.3031	25.58	0.361
	16QAM CP-OFDM	1	1	24.31	0.2695	25.07	0.3211
		1	104	24.18	0.2615	24.94	0.3116
		53	26	24.36	0.2726	25.12	0.3247
	64QAM CP-s-OFDM	1	1	22.80	0.1904	23.56	0.2268
		1	104	22.79	0.1901	23.55	0.2265
		50	25	23.71	0.2348	24.47	0.2797
	256QAM CP-s-OFDM	1	1	19.98	0.0996	20.74	0.1186
		1	104	19.85	0.0965	20.61	0.115
		50	25	19.73	0.0939	20.49	0.1119
Highest	QPSK CP-OFDM	1	1	24.53	0.2838	25.29	0.3381
		1	104	24.41	0.2761	25.17	0.3289
		53	26	24.46	0.2793	25.22	0.3327
	16QAM CP-OFDM	1	1	24.09	0.2562	24.85	0.3052
		1	104	24.10	0.2571	24.86	0.3062
		53	26	23.97	0.2492	24.73	0.2968
	64QAM CP-s-OFDM	1	1	22.82	0.1913	23.58	0.2279
		1	104	22.72	0.1872	23.48	0.223
		50	25	23.67	0.2327	24.43	0.2772
	256QAM CP-s-OFDM	1	1	19.74	0.0941	20.50	0.1121
		1	104	19.79	0.0953	20.55	0.1135
		50	25	19.66	0.0925	20.42	0.1102

ULMIMO SA n41 (ANT3+ANT0)30MHz (GT - LC = 0.76 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK CP-OFDM	1	1	25.06	0.3207	25.82	0.3821
		1	76	25.14	0.3263	25.90	0.3887
		39	19	25.04	0.3192	25.80	0.3803
	16QAM CP-OFDM	1	1	24.64	0.2908	25.40	0.3464
		1	76	24.59	0.2878	25.35	0.3429
		39	19	24.54	0.2845	25.30	0.3389
	64QAM CP-s-OFDM	1	1	22.87	0.1937	23.63	0.2307
		1	76	22.94	0.1966	23.70	0.2342
		36	18	23.58	0.228	24.34	0.2717
	256QAM CP-s-OFDM	1	1	19.73	0.094	20.49	0.112
		1	76	19.93	0.0984	20.69	0.1173
		36	18	19.70	0.0934	20.46	0.1112
Middle	QPSK CP-OFDM	1	1	24.92	0.3105	25.68	0.3699
		1	76	24.91	0.3098	25.67	0.369
		39	19	24.81	0.3024	25.57	0.3602
	16QAM CP-OFDM	1	1	24.31	0.2698	25.07	0.3214
		1	76	24.40	0.2751	25.16	0.3277
		39	19	24.30	0.2689	25.06	0.3203
	64QAM CP-s-OFDM	1	1	22.77	0.1891	23.53	0.2253
		1	76	22.85	0.1926	23.61	0.2294
		36	18	23.68	0.2331	24.44	0.2777
	256QAM CP-s-OFDM	1	1	19.92	0.0981	20.68	0.1168
		1	76	19.89	0.0975	20.65	0.1162
		36	18	19.64	0.0919	20.40	0.1095
Highest	QPSK CP-OFDM	1	1	24.52	0.2832	25.28	0.3373
		1	76	24.44	0.2777	25.20	0.3308
		39	19	24.41	0.2758	25.17	0.3285
	16QAM CP-OFDM	1	1	23.99	0.2508	24.75	0.2988
		1	76	23.80	0.2397	24.56	0.2856
		39	19	23.94	0.2478	24.70	0.2951
	64QAM CP-s-OFDM	1	1	22.65	0.1841	23.41	0.2193
		1	76	22.88	0.194	23.64	0.2311
		36	18	23.50	0.2236	24.26	0.2664
	256QAM CP-s-OFDM	1	1	19.73	0.094	20.49	0.112
		1	76	19.82	0.0959	20.58	0.1143
		36	18	19.73	0.094	20.49	0.112

ULMIMO SA n41 (ANT3+ANT0)20MHz (GT - LC = 0.76 dB)							
Channel	Mode	NR		Conducted		EIRP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK CP-OFDM	1	1	24.89	0.3084	25.65	0.3674
		1	49	24.96	0.3135	25.72	0.3734
		25	12	25.00	0.3163	25.76	0.3768
	16QAM CP-OFDM	1	1	24.42	0.2764	25.18	0.3293
		1	49	24.58	0.2873	25.34	0.3422
		25	12	24.55	0.2848	25.31	0.3393
	64QAM CP-s-OFDM	1	1	22.73	0.1873	23.49	0.2231
		1	49	22.87	0.1935	23.63	0.2305
		25	12	23.61	0.2297	24.37	0.2736
	256QAM CP-s-OFDM	1	1	20.07	0.1017	20.83	0.1211
		1	49	19.75	0.0944	20.51	0.1125
		25	12	19.66	0.0925	20.42	0.1102
Middle	QPSK CP-OFDM	1	1	24.78	0.3003	25.54	0.3577
		1	49	24.69	0.2941	25.45	0.3504
		25	12	24.64	0.2909	25.40	0.3465
	16QAM CP-OFDM	1	1	24.44	0.2783	25.20	0.3315
		1	49	24.03	0.2527	24.79	0.3011
		25	12	24.23	0.2649	24.99	0.3155
	64QAM CP-s-OFDM	1	1	22.74	0.1877	23.50	0.2236
		1	49	22.85	0.1928	23.61	0.2296
		25	12	23.68	0.2331	24.44	0.2777
	256QAM CP-s-OFDM	1	1	19.77	0.0949	20.53	0.113
		1	49	19.78	0.0951	20.54	0.1133
		25	12	19.74	0.0941	20.50	0.1121
Highest	QPSK CP-OFDM	1	1	24.39	0.2748	25.15	0.3274
		1	49	24.29	0.2684	25.05	0.3197
		25	12	24.36	0.2729	25.12	0.3251
	16QAM CP-OFDM	1	1	23.89	0.245	24.65	0.2919
		1	49	23.90	0.2454	24.66	0.2923
		25	12	24.42	0.2768	25.18	0.3298
	64QAM CP-s-OFDM	1	1	22.74	0.1878	23.50	0.2237
		1	49	22.92	0.1959	23.68	0.2334
		25	12	23.78	0.2388	24.54	0.2845
	256QAM CP-s-OFDM	1	1	19.91	0.098	20.67	0.1167
		1	49	19.81	0.0957	20.57	0.1139
		25	12	19.75	0.0943	20.51	0.1124

5G NR n71 SA mode:

SA n71 (ANT1)20MHz (GT - LC = -4 dB)							
Channel	Mode	NR		Conducted		ERP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.59	0.2877	18.44	0.0698
		1	23	24.17	0.2612	18.02	0.0634
		12	6	24.33	0.271	18.18	0.0658
	QPSK DFT-s-OFDM	1	1	24.47	0.2799	18.32	0.0679
		1	23	24.21	0.2636	18.06	0.064
		12	6	24.31	0.2698	18.16	0.0655
	16QAM DFT-s-OFDM	1	1	23.27	0.2123	17.12	0.0515
		1	23	23.21	0.2094	17.06	0.0508
		12	6	23.17	0.2075	17.02	0.0504
	64QAM DFT-s-OFDM	1	1	21.89	0.1545	15.74	0.0375
		1	23	21.71	0.1483	15.56	0.036
		12	6	21.68	0.1472	15.53	0.0357
256QAM DFT-s-OFDM	1	1	19.84	0.0964	13.69	0.0234	
	1	23	19.87	0.0971	13.72	0.0236	
	12	6	19.67	0.0927	13.52	0.0225	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.27	0.2673	18.12	0.0649
		1	23	24.11	0.2576	17.96	0.0625
		12	6	24.26	0.2667	18.11	0.0647
	QPSK DFT-s-OFDM	1	1	24.32	0.2704	18.17	0.0656
		1	23	24.09	0.2564	17.94	0.0622
		12	6	24.27	0.2673	18.12	0.0649
	16QAM DFT-s-OFDM	1	1	23.21	0.2094	17.06	0.0508
		1	23	23.13	0.2056	16.98	0.0499
		12	6	23.14	0.2061	16.99	0.05
	64QAM DFT-s-OFDM	1	1	21.86	0.1535	15.71	0.0372
		1	23	21.88	0.1542	15.73	0.0374
		12	6	21.68	0.1472	15.53	0.0357
	256QAM DFT-s-OFDM	1	1	19.98	0.0995	13.83	0.0242
		1	23	19.87	0.0971	13.72	0.0236
		12	6	19.63	0.0918	13.48	0.0223
	QPSK CP-s-OFDM	1	1	22.22	0.1667	16.07	0.0405
		1	23	22.52	0.1786	16.37	0.0434
		13	6	22.50	0.1778	16.35	0.0432
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.31	0.2698	18.16	0.0655
		1	23	23.89	0.2449	17.74	0.0594
		12	6	24.21	0.2636	18.06	0.064
	QPSK DFT-s-OFDM	1	1	24.31	0.2698	18.16	0.0655
		1	23	23.92	0.2466	17.77	0.0598
		12	6	24.15	0.26	18.00	0.0631
	16QAM DFT-s-OFDM	1	1	23.16	0.207	17.01	0.0502
		1	23	23.18	0.208	17.03	0.0505
		12	6	23.31	0.2143	17.16	0.052
	64QAM DFT-s-OFDM	1	1	21.66	0.1466	15.51	0.0356
		1	23	21.84	0.1528	15.69	0.0371
		12	6	21.90	0.1549	15.75	0.0376
256QAM DFT-s-OFDM	1	1	19.94	0.0986	13.79	0.0239	
	1	23	19.95	0.0989	13.80	0.024	
	12	6	19.89	0.0975	13.74	0.0237	

SA n71 (ANT1)15MHz (GT - LC = -4 dB)							
Channel	Mode	NR		Conducted		ERP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.56	0.2858	18.41	0.0693
		1	104	24.27	0.2673	18.12	0.0649
		50	25	24.39	0.2748	18.24	0.0667
	QPSK DFT-s-OFDM	1	1	24.52	0.2831	18.37	0.0687
		1	104	24.32	0.2704	18.17	0.0656
		50	25	24.45	0.2786	18.30	0.0676
	16QAM DFT-s-OFDM	1	1	23.27	0.2123	17.12	0.0515
		1	104	23.30	0.2138	17.15	0.0519
		50	25	23.27	0.2123	17.12	0.0515
	64QAM DFT-s-OFDM	1	1	21.67	0.1469	15.52	0.0356
		1	104	21.80	0.1514	15.65	0.0367
		50	25	21.77	0.1503	15.62	0.0365
	256QAM DFT-s-OFDM	1	1	19.65	0.0923	13.50	0.0224
		1	104	19.90	0.0977	13.75	0.0237
		50	25	19.91	0.0979	13.76	0.0238
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.32	0.2704	18.17	0.0656
		1	104	24.09	0.2564	17.94	0.0622
		50	25	24.23	0.2649	18.08	0.0643
	QPSK DFT-s-OFDM	1	1	24.27	0.2673	18.12	0.0649
		1	104	24.12	0.2582	17.97	0.0627
		50	25	24.30	0.2692	18.15	0.0653
	16QAM DFT-s-OFDM	1	1	23.15	0.2065	17.00	0.0501
		1	104	23.30	0.2138	17.15	0.0519
		50	25	23.26	0.2118	17.11	0.0514
	64QAM DFT-s-OFDM	1	1	21.57	0.1435	15.42	0.0348
		1	104	21.67	0.1469	15.52	0.0356
		50	25	21.73	0.1489	15.58	0.0361
	256QAM DFT-s-OFDM	1	1	19.78	0.0951	13.63	0.0231
		1	104	19.75	0.0944	13.60	0.0229
		50	25	19.69	0.0931	13.54	0.0226
	QPSK CP-s-OFDM	1	1	22.25	0.1679	16.10	0.0407
		1	104	22.03	0.1596	15.88	0.0387
		53	26	22.55	0.1799	16.40	0.0437
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.24	0.2655	18.09	0.0644
		1	104	23.82	0.241	17.67	0.0585
		50	25	24.16	0.2606	18.01	0.0632
	QPSK DFT-s-OFDM	1	1	24.25	0.2661	18.10	0.0646
		1	104	24.02	0.2523	17.87	0.0612
		50	25	24.17	0.2612	18.02	0.0634
	16QAM DFT-s-OFDM	1	1	23.30	0.2138	17.15	0.0519
		1	104	23.12	0.2051	16.97	0.0498
		50	25	23.15	0.2065	17.00	0.0501
	64QAM DFT-s-OFDM	1	1	21.86	0.1535	15.71	0.0372
		1	104	21.77	0.1503	15.62	0.0365
		50	25	21.96	0.157	15.81	0.0381
	256QAM DFT-s-OFDM	1	1	19.72	0.0938	13.57	0.0228
		1	104	19.64	0.092	13.49	0.0223
		50	25	19.62	0.0916	13.47	0.0222

SA n71 (ANT1)10MHz (GT - LC = -4 dB)							
Channel	Mode	NR		Conducted		ERP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.33	0.271	18.18	0.0658
		1	50	24.13	0.2588	17.98	0.0628
		25	12	24.35	0.2723	18.20	0.0661
	QPSK DFT-s-OFDM	1	1	24.36	0.2729	18.21	0.0662
		1	50	24.21	0.2636	18.06	0.064
		25	12	24.36	0.2729	18.21	0.0662
	16QAM DFT-s-OFDM	1	1	23.14	0.2061	16.99	0.05
		1	50	23.23	0.2104	17.08	0.0511
		25	12	23.16	0.207	17.01	0.0502
	64QAM DFT-s-OFDM	1	1	21.96	0.157	15.81	0.0381
		1	50	21.61	0.1449	15.46	0.0352
		25	12	21.77	0.1503	15.62	0.0365
	256QAM DFT-s-OFDM	1	1	19.77	0.0948	13.62	0.023
		1	50	19.79	0.0953	13.64	0.0231
		25	12	19.73	0.094	13.58	0.0228
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.17	0.2612	18.02	0.0634
		1	50	24.21	0.2636	18.06	0.064
		25	12	24.24	0.2655	18.09	0.0644
	QPSK DFT-s-OFDM	1	1	24.16	0.2606	18.01	0.0632
		1	50	24.29	0.2685	18.14	0.0652
		25	12	24.23	0.2649	18.08	0.0643
	16QAM DFT-s-OFDM	1	1	23.29	0.2133	17.14	0.0518
		1	50	23.29	0.2133	17.14	0.0518
		25	12	23.30	0.2138	17.15	0.0519
	64QAM DFT-s-OFDM	1	1	21.62	0.1452	15.47	0.0352
		1	50	21.57	0.1435	15.42	0.0348
		25	12	21.68	0.1472	15.53	0.0357
	256QAM DFT-s-OFDM	1	1	19.62	0.0916	13.47	0.0222
		1	50	19.66	0.0925	13.51	0.0224
		25	12	19.49	0.0889	13.34	0.0216
	QPSK CP-s-OFDM	1	1	22.35	0.1718	16.20	0.0417
		1	50	22.20	0.166	16.05	0.0403
		26	13	22.28	0.169	16.13	0.041
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.35	0.2723	18.20	0.0661
		1	50	24.17	0.2612	18.02	0.0634
		25	12	24.31	0.2698	18.16	0.0655
	QPSK DFT-s-OFDM	1	1	24.38	0.2742	18.23	0.0665
		1	50	24.22	0.2642	18.07	0.0641
		25	12	24.34	0.2716	18.19	0.0659
	16QAM DFT-s-OFDM	1	1	23.12	0.2051	16.97	0.0498
		1	50	23.27	0.2123	17.12	0.0515
		25	12	23.16	0.207	17.01	0.0502
	64QAM DFT-s-OFDM	1	1	21.91	0.1552	15.76	0.0377
		1	50	21.61	0.1449	15.46	0.0352
		25	12	21.75	0.1496	15.60	0.0363
	256QAM DFT-s-OFDM	1	1	19.67	0.0927	13.52	0.0225
		1	50	19.94	0.0986	13.79	0.0239
		25	12	19.51	0.0893	13.36	0.0217

SA n71 (ANT1)5MHz (GT - LC = -4 dB)							
Channel	Mode	NR		Conducted		ERP	
		RB					
		Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	24.49	0.2812	18.34	0.0682
		1	23	24.31	0.2698	18.16	0.0655
		12	6	24.38	0.2742	18.23	0.0665
	QPSK DFT-s-OFDM	1	1	24.47	0.2799	18.32	0.0679
		1	23	24.25	0.2661	18.10	0.0646
		12	6	24.46	0.2793	18.31	0.0678
	16QAM DFT-s-OFDM	1	1	23.19	0.2084	17.04	0.0506
		1	23	23.15	0.2065	17.00	0.0501
		12	6	23.31	0.2143	17.16	0.052
	64QAM DFT-s-OFDM	1	1	21.56	0.1432	15.41	0.0348
		1	23	21.91	0.1552	15.76	0.0377
		12	6	21.85	0.1531	15.70	0.0372
256QAM DFT-s-OFDM	1	1	19.96	0.0991	13.81	0.024	
	1	23	19.75	0.0944	13.60	0.0229	
	12	6	19.59	0.091	13.44	0.0221	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	24.21	0.2636	18.06	0.064
		1	23	23.97	0.2495	17.82	0.0605
		12	6	24.21	0.2636	18.06	0.064
	QPSK DFT-s-OFDM	1	1	24.29	0.2685	18.14	0.0652
		1	23	24.10	0.257	17.95	0.0624
		12	6	24.22	0.2642	18.07	0.0641
	16QAM DFT-s-OFDM	1	1	23.20	0.2089	17.05	0.0507
		1	23	23.14	0.2061	16.99	0.05
		12	6	23.23	0.2104	17.08	0.0511
	64QAM DFT-s-OFDM	1	1	21.56	0.1432	15.41	0.0348
		1	23	21.56	0.1432	15.41	0.0348
		12	6	21.68	0.1472	15.53	0.0357
	256QAM DFT-s-OFDM	1	1	19.64	0.092	13.49	0.0223
		1	23	19.61	0.0914	13.46	0.0222
		12	6	19.63	0.0918	13.48	0.0223
	QPSK CP-s-OFDM	1	1	22.21	0.1663	16.06	0.0404
		1	23	22.01	0.1589	15.86	0.0385
		13	6	22.31	0.1702	16.16	0.0413
Highest	PI/2 BPSK DFT-s-OFDM	1	1	24.13	0.2588	17.98	0.0628
		1	23	23.76	0.2377	17.61	0.0577
		12	6	23.99	0.2506	17.84	0.0608
	QPSK DFT-s-OFDM	1	1	24.10	0.257	17.95	0.0624
		1	23	23.88	0.2443	17.73	0.0593
		12	6	24.01	0.2518	17.86	0.0611
	16QAM DFT-s-OFDM	1	1	23.25	0.2113	17.10	0.0513
		1	23	23.16	0.207	17.01	0.0502
		12	6	23.22	0.2099	17.07	0.0509
	64QAM DFT-s-OFDM	1	1	21.73	0.1489	15.58	0.0361
		1	23	21.60	0.1445	15.45	0.0351
		12	6	21.71	0.1483	15.56	0.036
	256QAM DFT-s-OFDM	1	1	19.65	0.0923	13.50	0.0224
		1	23	19.76	0.0946	13.61	0.023
		12	6	19.94	0.0986	13.79	0.0239

5G NR EN_DC_5A-n7A NSA mode:

EN-DC n7 (ANT3)+5A (ANT1)Combination 20MHz+10MHz(LTE)(GT - LC = -2 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.99	0.2504	21.99	0.158
		1	104	1	49	23.89	0.2448	21.89	0.1544
		50	25	50	0	23.97	0.2493	21.97	0.1573
	QPSK DFT-s-OFDM	1	1	1	0	23.92	0.2465	21.92	0.1555
		1	104	1	49	23.93	0.247	21.93	0.1558
		50	25	50	0	23.95	0.2481	21.95	0.1566
	16QAM DFT-s-OFDM	1	1	1	0	22.56	0.1803	20.56	0.1137
		1	104	1	49	22.62	0.1827	20.62	0.1153
		50	25	50	0	22.26	0.1683	20.26	0.1062
	64QAM DFT-s-OFDM	1	1	1	0	21.01	0.1261	19.01	0.0796
		1	104	1	49	20.91	0.1233	18.91	0.0778
		50	25	50	0	20.52	0.1127	18.52	0.0711
	256QAM DFT-s-OFDM	1	1	1	0	19.04	0.0802	17.04	0.0506
		1	104	1	49	19.02	0.0798	17.02	0.0504
		50	25	50	0	18.94	0.0784	16.94	0.0495
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.96	0.2487	21.96	0.1569
		1	104	1	49	23.89	0.2447	21.89	0.1544
		50	25	50	0	23.99	0.2504	21.99	0.158
	QPSK DFT-s-OFDM	1	1	1	0	23.90	0.2453	21.90	0.1548
		1	104	1	49	23.93	0.247	21.93	0.1559
		50	25	50	0	23.97	0.2493	21.97	0.1573
	16QAM DFT-s-OFDM	1	1	1	0	22.19	0.1656	20.19	0.1045
		1	104	1	49	22.13	0.1633	20.13	0.103
		50	25	50	0	22.19	0.1656	20.19	0.1045
	64QAM DFT-s-OFDM	1	1	1	0	20.98	0.1252	18.98	0.079
		1	104	1	49	21.28	0.1341	19.28	0.0846
		50	25	50	0	22.12	0.163	20.12	0.1028
	256QAM DFT-s-OFDM	1	1	1	0	19.10	0.0813	17.10	0.0513
		1	104	1	49	19.17	0.0826	17.17	0.0521
		50	25	50	0	19.02	0.0799	17.02	0.0504
QPSK CP-OFDM	1	1	1	0	21.93	0.156	19.93	0.0984	
	1	104	1	49	22.02	0.1592	20.02	0.1005	
	53	26	50	0	22.17	0.1648	20.17	0.104	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.93	0.247	21.93	0.1558
		1	104	1	49	23.91	0.2459	21.91	0.1551
		50	25	50	0	24.08	0.2556	22.08	0.1613
	QPSK DFT-s-OFDM	1	1	1	0	23.95	0.2481	21.95	0.1566
		1	104	1	49	23.99	0.2504	21.99	0.158
		50	25	50	0	24.09	0.2562	22.09	0.1617
	16QAM DFT-s-OFDM	1	1	1	0	22.42	0.1745	20.42	0.1101
		1	104	1	49	22.71	0.1866	20.71	0.1177
		50	25	50	0	22.49	0.1774	20.49	0.1119
	64QAM DFT-s-OFDM	1	1	1	0	20.88	0.1224	18.88	0.0772
		1	104	1	49	20.91	0.1233	18.91	0.0778
		50	25	50	0	20.77	0.1193	18.77	0.0753
	256QAM DFT-s-OFDM	1	1	1	0	19.13	0.0819	17.13	0.0517
		1	104	1	49	19.23	0.0838	17.23	0.0529
		50	25	50	0	18.93	0.0782	16.93	0.0493

EN-DC n7 (ANT3)+5A (ANT1)Combination 15MHz+10MHz(LTE)(GT - LC = -2 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.04	0.2533	22.04	0.1598
		1	77	1	49	24.06	0.2545	22.06	0.1606
		36	18	50	0	24.03	0.2527	22.03	0.1594
	QPSK DFT-s-OFDM	1	1	1	0	24.05	0.2539	22.05	0.1602
		1	77	1	49	24.00	0.251	22.00	0.1584
		36	18	50	0	24.05	0.2539	22.05	0.1602
	16QAM DFT-s-OFDM	1	1	1	0	22.44	0.1754	20.44	0.1107
		1	77	1	49	22.59	0.1815	20.59	0.1145
		36	18	50	0	22.18	0.1652	20.18	0.1042
	64QAM DFT-s-OFDM	1	1	1	0	20.72	0.118	18.72	0.0745
		1	77	1	49	20.85	0.1216	18.85	0.0767
		36	18	50	0	20.85	0.1215	18.85	0.0767
256QAM DFT-s-OFDM	1	1	1	0	19.23	0.0837	17.23	0.0528	
	1	77	1	49	19.24	0.084	17.24	0.053	
	36	18	50	0	19.00	0.0795	17.00	0.0502	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.07	0.2551	22.07	0.1609
		1	77	1	49	23.91	0.2459	21.91	0.1551
		36	18	50	0	23.99	0.2504	21.99	0.158
	QPSK DFT-s-OFDM	1	1	1	0	23.93	0.247	21.93	0.1558
		1	77	1	49	24.03	0.2527	22.03	0.1595
		36	18	50	0	23.89	0.2447	21.89	0.1544
	16QAM DFT-s-OFDM	1	1	1	0	22.30	0.1698	20.30	0.1072
		1	77	1	49	22.27	0.1687	20.27	0.1064
		36	18	50	0	22.23	0.1671	20.23	0.1054
	64QAM DFT-s-OFDM	1	1	1	0	21.05	0.1272	19.05	0.0803
		1	77	1	49	21.27	0.1338	19.27	0.0844
		36	18	50	0	21.76	0.15	19.76	0.0947
	256QAM DFT-s-OFDM	1	1	1	0	19.07	0.0808	17.07	0.051
		1	77	1	49	18.95	0.0786	16.95	0.0496
		36	18	50	0	19.08	0.0809	17.08	0.0511
QPSK CP-OFDM	1	1	1	0	22.03	0.1596	20.03	0.1007	
	1	77	1	49	22.03	0.1596	20.03	0.1007	
	39	19	50	0	22.13	0.1633	20.13	0.103	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.04	0.2533	22.04	0.1598
		1	77	1	49	23.91	0.2458	21.91	0.1551
		36	18	50	0	23.96	0.2487	21.96	0.1569
	QPSK DFT-s-OFDM	1	1	1	0	23.93	0.247	21.93	0.1558
		1	77	1	49	23.98	0.2498	21.98	0.1576
		36	18	50	0	24.03	0.2527	22.03	0.1594
	16QAM DFT-s-OFDM	1	1	1	0	22.65	0.184	20.65	0.1161
		1	77	1	49	22.28	0.169	20.28	0.1067
		36	18	50	0	22.56	0.1803	20.56	0.1137
	64QAM DFT-s-OFDM	1	1	1	0	20.71	0.1177	18.71	0.0743
		1	77	1	49	20.76	0.1191	18.76	0.0751
		36	18	50	0	20.49	0.112	18.49	0.0706
	256QAM DFT-s-OFDM	1	1	1	0	19.03	0.08	17.03	0.0505
		1	77	1	49	19.01	0.0797	17.01	0.0503
		36	18	50	0	19.00	0.0795	17.00	0.0501

EN-DC n7 (ANT3)+5A (ANT1)Combination 10MHz+10MHz(LTE)(GT - LC = -2 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.89	0.2447	21.89	0.1544
		1	50	1	49	23.81	0.2403	21.81	0.1516
		25	12	50	0	23.97	0.2493	21.97	0.1573
	QPSK DFT-s-OFDM	1	1	1	0	23.98	0.2498	21.98	0.1576
		1	50	1	49	23.87	0.2436	21.87	0.1537
		25	12	50	0	24.00	0.251	22.00	0.1584
	16QAM DFT-s-OFDM	1	1	1	0	22.39	0.1734	20.39	0.1094
		1	50	1	49	22.13	0.1633	20.13	0.103
		25	12	50	0	22.27	0.1687	20.27	0.1064
	64QAM DFT-s-OFDM	1	1	1	0	20.94	0.1241	18.94	0.0783
		1	50	1	49	20.98	0.1252	18.98	0.079
		25	12	50	0	20.92	0.1235	18.92	0.0779
256QAM DFT-s-OFDM	1	1	1	0	19.19	0.083	17.19	0.0524	
	1	50	1	49	19.29	0.0849	17.29	0.0536	
	25	12	50	0	19.04	0.0802	17.04	0.0506	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.85	0.2425	21.85	0.153
		1	50	1	49	23.89	0.2447	21.89	0.1544
		25	12	50	0	23.87	0.2436	21.87	0.1537
	QPSK DFT-s-OFDM	1	1	1	0	23.86	0.243	21.86	0.1533
		1	50	1	49	23.83	0.2414	21.83	0.1523
		25	12	50	0	23.81	0.2403	21.81	0.1516
	16QAM DFT-s-OFDM	1	1	1	0	22.04	0.16	20.04	0.1009
		1	50	1	49	22.18	0.1652	20.18	0.1042
		25	12	50	0	22.23	0.1671	20.23	0.1054
	64QAM DFT-s-OFDM	1	1	1	0	21.04	0.127	19.04	0.0801
		1	50	1	49	21.26	0.1335	19.26	0.0842
		25	12	50	0	21.16	0.1305	19.16	0.0823
	256QAM DFT-s-OFDM	1	1	1	0	19.24	0.0839	17.24	0.053
		1	50	1	49	19.27	0.0845	17.27	0.0533
		25	12	50	0	19.14	0.082	17.14	0.0518
	QPSK CP-OFDM	1	1	1	0	21.93	0.156	19.93	0.0984
		1	50	1	49	21.94	0.1564	19.94	0.0987
		26	13	50	0	22.04	0.16	20.04	0.1009
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.93	0.247	21.93	0.1558
		1	50	1	49	23.80	0.2397	21.80	0.1512
		25	12	50	0	23.84	0.2419	21.84	0.1527
	QPSK DFT-s-OFDM	1	1	1	0	23.83	0.2414	21.83	0.1523
		1	50	1	49	23.78	0.2386	21.78	0.1506
		25	12	50	0	23.90	0.2453	21.90	0.1548
	16QAM DFT-s-OFDM	1	1	1	0	22.66	0.1844	20.66	0.1164
		1	50	1	49	22.17	0.1648	20.17	0.104
		25	12	50	0	22.35	0.1718	20.35	0.1084
	64QAM DFT-s-OFDM	1	1	1	0	20.99	0.1255	18.99	0.0792
		1	50	1	49	20.77	0.1193	18.77	0.0753
		25	12	50	0	20.94	0.1241	18.94	0.0783
	256QAM DFT-s-OFDM	1	1	1	0	19.24	0.0839	17.24	0.053
		1	50	1	49	19.00	0.0795	17.00	0.0501
		25	12	50	0	19.02	0.0799	17.02	0.0504

EN-DC n7 (ANT3)+5A (ANT1)Combination 5MHz+10MHz(LTE)(GT - LC = -2 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.99	0.2504	21.99	0.158
		1	23	1	49	23.88	0.2441	21.88	0.154
		12	6	50	0	23.91	0.2459	21.91	0.1551
	QPSK DFT-s-OFDM	1	1	1	0	24.06	0.2544	22.06	0.1605
		1	23	1	49	23.90	0.2453	21.90	0.1548
		12	6	50	0	23.99	0.2504	21.99	0.158
	16QAM DFT-s-OFDM	1	1	1	0	22.46	0.1762	20.46	0.1112
		1	23	1	49	22.13	0.1633	20.13	0.103
		12	6	50	0	22.17	0.1648	20.17	0.104
	64QAM DFT-s-OFDM	1	1	1	0	21.07	0.1278	19.07	0.0807
		1	23	1	49	20.95	0.1244	18.95	0.0785
		12	6	50	0	20.64	0.1158	18.64	0.0731
256QAM DFT-s-OFDM	1	1	1	0	19.07	0.0807	17.07	0.0509	
	1	23	1	49	19.25	0.0841	17.25	0.0531	
	12	6	50	0	18.94	0.0784	16.94	0.0495	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.95	0.2481	21.95	0.1565
		1	23	1	49	23.80	0.2397	21.80	0.1512
		12	6	50	0	23.84	0.2419	21.84	0.1526
	QPSK DFT-s-OFDM	1	1	1	0	23.93	0.247	21.93	0.1558
		1	23	1	49	23.83	0.2414	21.83	0.1523
		12	6	50	0	24.00	0.251	22.00	0.1583
	16QAM DFT-s-OFDM	1	1	1	0	22.23	0.1671	20.23	0.1054
		1	23	1	49	22.21	0.1664	20.21	0.105
		12	6	50	0	22.22	0.1667	20.22	0.1052
	64QAM DFT-s-OFDM	1	1	1	0	21.10	0.1287	19.10	0.0812
		1	23	1	49	21.08	0.1281	19.08	0.0808
		12	6	50	0	22.11	0.1626	20.11	0.1026
256QAM DFT-s-OFDM	1	1	1	0	19.19	0.083	17.19	0.0524	
	1	23	1	49	19.18	0.0828	17.18	0.0522	
	12	6	50	0	18.99	0.0793	16.99	0.05	
QPSK CP-OFDM	1	1	1	0	22.06	0.1607	20.06	0.1014	
	1	23	1	49	21.91	0.1553	19.91	0.098	
	13	6	50	0	22.16	0.1645	20.16	0.1038	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.90	0.2453	21.90	0.1548
		1	23	1	49	23.96	0.2487	21.96	0.1569
		12	6	50	0	23.93	0.247	21.93	0.1558
	QPSK DFT-s-OFDM	1	1	1	0	23.85	0.2425	21.85	0.153
		1	23	1	49	23.76	0.2375	21.76	0.1499
		12	6	50	0	23.89	0.2447	21.89	0.1544
	16QAM DFT-s-OFDM	1	1	1	0	22.52	0.1786	20.52	0.1127
		1	23	1	49	22.16	0.1645	20.16	0.1038
		12	6	50	0	22.20	0.166	20.20	0.1047
	64QAM DFT-s-OFDM	1	1	1	0	21.15	0.1302	19.15	0.0822
		1	23	1	49	20.77	0.1194	18.77	0.0753
		12	6	50	0	20.54	0.1132	18.54	0.0715
256QAM DFT-s-OFDM	1	1	1	0	19.16	0.0824	17.16	0.052	
	1	23	1	49	19.19	0.083	17.19	0.0524	
	12	6	50	0	18.96	0.0788	16.96	0.0497	

5G NR EN_DC_2A-n41A NSA mode:

EN-DC n41 (ANT0)+2A (ANT3)Combination 100MHz+20MHz(LTE)(GT - LC = -2.5 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	25.74	0.3749	23.24	0.2108
		1	271	1	99	25.91	0.3899	23.41	0.2192
		135	67	100	0	25.83	0.3827	23.33	0.2152
	QPSK DFT-s-OFDM	1	1	1	0	25.94	0.3926	23.44	0.2207
		1	271	1	99	25.88	0.3872	23.38	0.2177
		135	67	100	0	25.92	0.3908	23.42	0.2198
	16QAM DFT-s-OFDM	1	1	1	0	24.68	0.294	22.18	0.1653
		1	271	1	99	24.51	0.2827	22.01	0.159
		135	67	100	0	24.92	0.3106	22.42	0.1747
	64QAM DFT-s-OFDM	1	1	1	0	23.71	0.2347	21.21	0.132
		1	271	1	99	23.42	0.2196	20.92	0.1235
		135	67	100	0	23.51	0.2242	21.01	0.1261
	256QAM DFT-s-OFDM	1	1	1	0	21.25	0.1333	18.75	0.0749
		1	271	1	99	21.21	0.1321	18.71	0.0743
		135	67	100	0	21.46	0.1399	18.96	0.0787
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	25.83	0.3829	23.33	0.2153
		1	271	1	99	25.89	0.3882	23.39	0.2183
		135	67	100	0	25.87	0.3864	23.37	0.2173
	QPSK DFT-s-OFDM	1	1	1	0	25.78	0.3785	23.28	0.2128
		1	271	1	99	25.90	0.3891	23.40	0.2188
		135	67	100	0	25.86	0.3855	23.36	0.2168
	16QAM DFT-s-OFDM	1	1	1	0	24.59	0.2879	22.09	0.1619
		1	271	1	99	24.21	0.2639	21.71	0.1484
		135	67	100	0	24.80	0.3022	22.30	0.1699
	64QAM DFT-s-OFDM	1	1	1	0	23.07	0.2027	20.57	0.114
		1	271	1	99	22.99	0.199	20.49	0.1119
		135	67	100	0	23.25	0.2113	20.75	0.1188
	256QAM DFT-s-OFDM	1	1	1	0	21.43	0.1389	18.93	0.0781
		1	271	1	99	21.20	0.1318	18.70	0.0741
		135	67	100	0	21.37	0.1371	18.87	0.0771
QPSK CP-OFDM	1	1	1	0	23.97	0.2492	21.47	0.1402	
	1	271	1	99	23.98	0.2498	21.48	0.1405	
	137	68	100	0	24.32	0.2707	21.82	0.1522	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	25.92	0.3909	23.42	0.2198
		1	271	1	99	25.72	0.3732	23.22	0.2099
		135	67	100	0	25.89	0.3881	23.39	0.2182
	QPSK DFT-s-OFDM	1	1	1	0	25.82	0.3819	23.32	0.2148
		1	271	1	99	25.76	0.3767	23.26	0.2118
		135	67	100	0	25.92	0.3908	23.42	0.2198
	16QAM DFT-s-OFDM	1	1	1	0	24.82	0.3035	22.32	0.1707
		1	271	1	99	24.28	0.2681	21.78	0.1508
		135	67	100	0	24.46	0.2795	21.96	0.1572
	64QAM DFT-s-OFDM	1	1	1	0	23.23	0.2103	20.73	0.1183
		1	271	1	99	23.99	0.2504	21.49	0.1408
		135	67	100	0	23.04	0.2013	20.54	0.1132
	256QAM DFT-s-OFDM	1	1	1	0	21.50	0.1411	19.00	0.0794
		1	271	1	99	21.21	0.1321	18.71	0.0743
		135	67	100	0	21.26	0.1336	18.75	0.0751

EN-DC n41 (ANT0)+2A (ANT3)Combination 90MHz+20MHz(LTE)(GT - LC = -2.5 dB)										
Channel	Mode	NR		LTE		Conducted		EIRP		
		RB		RB						
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)	
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	25.88	0.3872	23.38	0.2178	
		1	243	1	99	25.90	0.389	23.40	0.2188	
		120	60	100	0	25.89	0.3882	23.39	0.2183	
	QPSK DFT-s-OFDM	1	1	1	0	25.87	0.3864	23.37	0.2173	
		1	243	1	99	25.95	0.3935	23.45	0.2213	
		120	60	100	0	25.90	0.389	23.40	0.2188	
	16QAM DFT-s-OFDM	1	1	1	0	24.61	0.2893	22.11	0.1627	
		1	243	1	99	24.67	0.2933	22.17	0.165	
		120	60	100	0	24.91	0.3099	22.41	0.1743	
	64QAM DFT-s-OFDM	1	1	1	0	23.27	0.2123	20.77	0.1194	
		1	243	1	99	23.07	0.2027	20.57	0.114	
		120	60	100	0	23.42	0.2197	20.92	0.1235	
	256QAM DFT-s-OFDM	1	1	1	0	21.32	0.1355	18.82	0.0762	
		1	243	1	99	21.39	0.1376	18.89	0.0774	
		120	60	100	0	21.67	0.1468	19.17	0.0825	
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	25.87	0.3864	23.37	0.2173
			1	243	1	99	25.92	0.3909	23.42	0.2198
			120	60	100	0	25.80	0.3802	23.30	0.2138
QPSK DFT-s-OFDM		1	1	1	0	26.01	0.399	23.51	0.2244	
		1	243	1	99	25.90	0.389	23.40	0.2188	
		120	60	100	0	25.86	0.3855	23.36	0.2168	
16QAM DFT-s-OFDM		1	1	1	0	24.72	0.2967	22.22	0.1669	
		1	243	1	99	24.61	0.2893	22.11	0.1627	
		120	60	100	0	24.68	0.2939	22.18	0.1653	
64QAM DFT-s-OFDM		1	1	1	0	22.86	0.1932	20.36	0.1086	
		1	243	1	99	22.99	0.1991	20.49	0.112	
		120	60	100	0	23.14	0.206	20.64	0.1158	
256QAM DFT-s-OFDM		1	1	1	0	21.49	0.1408	18.99	0.0792	
		1	243	1	99	21.12	0.1294	18.62	0.0728	
		120	60	100	0	21.24	0.133	18.74	0.0748	
QPSK CP-OFDM		1	1	1	0	24.13	0.2585	21.63	0.1454	
		1	243	1	99	23.98	0.2498	21.48	0.1404	
		123	61	100	0	24.22	0.2645	21.72	0.1488	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	25.93	0.3917	23.43	0.2203	
		1	243	1	99	25.82	0.382	23.32	0.2148	
		120	60	100	0	25.92	0.3908	23.42	0.2198	
	QPSK DFT-s-OFDM	1	1	1	0	25.91	0.39	23.41	0.2193	
		1	243	1	99	25.79	0.3794	23.29	0.2133	
		120	60	100	0	25.94	0.3927	23.44	0.2208	
	16QAM DFT-s-OFDM	1	1	1	0	24.86	0.3064	22.36	0.1723	
		1	243	1	99	24.46	0.2795	21.96	0.1572	
		120	60	100	0	24.42	0.277	21.92	0.1557	
	64QAM DFT-s-OFDM	1	1	1	0	23.07	0.2028	20.57	0.114	
		1	243	1	99	22.90	0.195	20.40	0.1097	
		120	60	100	0	22.98	0.1986	20.48	0.1117	
	256QAM DFT-s-OFDM	1	1	1	0	21.26	0.1336	18.76	0.0751	
		1	243	1	99	20.86	0.1220	18.36	0.0686	
		120	60	100	0	20.98	0.1254	18.48	0.0705	

EN-DC n41 (ANT0)+2A (ANT3)Combination 80MHz+20MHz(LTE)(GT - LC = -2.5 dB)										
Channel	Mode	NR		LTE		Conducted		EIRP		
		RB		RB						
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)	
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	25.92	0.3907	23.42	0.2197	
		1	215	1	99	25.89	0.3881	23.39	0.2182	
		108	54	100	0	25.98	0.3962	23.48	0.2228	
	QPSK DFT-s-OFDM	1	1	1	0	26.00	0.398	23.50	0.2238	
		1	215	1	99	25.94	0.3925	23.44	0.2207	
		108	54	100	0	26.03	0.4008	23.53	0.2254	
	16QAM DFT-s-OFDM	1	1	1	0	24.49	0.2813	21.99	0.1582	
		1	215	1	99	24.54	0.2846	22.04	0.16	
		108	54	100	0	24.87	0.307	22.37	0.1726	
	64QAM DFT-s-OFDM	1	1	1	0	23.49	0.2231	20.99	0.1255	
		1	215	1	99	23.54	0.2257	21.04	0.1269	
		108	54	100	0	23.51	0.2241	21.01	0.126	
	256QAM DFT-s-OFDM	1	1	1	0	21.62	0.1453	19.12	0.0817	
		1	215	1	99	21.79	0.1511	19.29	0.085	
		108	54	100	0	21.60	0.1447	19.10	0.0814	
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	25.85	0.3845	23.35	0.2162
			1	215	1	99	25.94	0.3925	23.44	0.2207
			108	54	100	0	25.92	0.3907	23.42	0.2197
QPSK DFT-s-OFDM		1	1	1	0	26.02	0.3998	23.52	0.2248	
		1	215	1	99	25.99	0.3971	23.49	0.2233	
		108	54	100	0	25.93	0.3916	23.43	0.2202	
16QAM DFT-s-OFDM		1	1	1	0	24.42	0.2769	21.92	0.1557	
		1	215	1	99	24.29	0.2687	21.79	0.1511	
		108	54	100	0	24.68	0.2939	22.18	0.1653	
64QAM DFT-s-OFDM		1	1	1	0	22.98	0.1985	20.48	0.1116	
		1	215	1	99	22.89	0.1944	20.39	0.1093	
		108	54	100	0	23.23	0.2102	20.73	0.1182	
256QAM DFT-s-OFDM		1	1	1	0	21.20	0.1317	18.70	0.0741	
		1	215	1	99	21.17	0.1308	18.67	0.0736	
		108	54	100	0	21.26	0.1335	18.76	0.0751	
QPSK CP-OFDM		1	1	1	0	23.90	0.2457	21.40	0.1382	
		1	215	1	99	23.98	0.2503	21.48	0.1407	
		109	54	100	0	24.26	0.2669	21.76	0.1501	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	25.87	0.3864	23.37	0.2173	
		1	215	1	99	25.73	0.3741	23.23	0.2104	
		108	54	100	0	26.04	0.4018	23.54	0.2259	
	QPSK DFT-s-OFDM	1	1	1	0	26.02	0.3999	23.52	0.2249	
		1	215	1	99	25.74	0.375	23.24	0.2109	
		108	54	100	0	25.98	0.3963	23.48	0.2228	
	16QAM DFT-s-OFDM	1	1	1	0	24.48	0.2808	21.98	0.1579	
		1	215	1	99	24.27	0.2676	21.77	0.1505	
		108	54	100	0	24.53	0.284	22.03	0.1597	
	64QAM DFT-s-OFDM	1	1	1	0	22.91	0.1954	20.41	0.1099	
		1	215	1	99	22.78	0.1897	20.28	0.1067	
		108	54	100	0	22.95	0.1972	20.45	0.1109	
	256QAM DFT-s-OFDM	1	1	1	0	21.20	0.1318	18.70	0.0741	
		1	215	1	99	20.95	0.1245	18.45	0.0700	
		108	54	100	0	21.05	0.1274	18.55	0.0716	

EN-DC n41 (ANT0)+2A (ANT3)Combination 50MHz+20MHz(LTE)(GT - LC = -2.5 dB)										
Channel	Mode	NR		LTE		Conducted		EIRP		
		RB		RB						
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)	
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.19	0.4159	23.69	0.2339	
		1	131	1	99	26.22	0.4188	23.72	0.2355	
		64	32	100	0	26.20	0.4168	23.70	0.2344	
	QPSK DFT-s-OFDM	1	1	1	0	26.06	0.4036	23.56	0.227	
		1	131	1	99	26.46	0.4425	23.96	0.2488	
		64	32	100	0	26.17	0.414	23.67	0.2328	
	16QAM DFT-s-OFDM	1	1	1	0	24.57	0.2867	22.07	0.1612	
		1	131	1	99	24.68	0.294	22.18	0.1653	
		64	32	100	0	24.82	0.3036	22.32	0.1707	
	64QAM DFT-s-OFDM	1	1	1	0	23.10	0.2042	20.60	0.1148	
		1	131	1	99	23.18	0.2079	20.68	0.1169	
		64	32	100	0	23.41	0.2192	20.91	0.1233	
	256QAM DFT-s-OFDM	1	1	1	0	21.55	0.1429	19.05	0.0803	
		1	131	1	99	21.46	0.1399	18.96	0.0787	
		64	32	100	0	21.79	0.1509	19.29	0.0849	
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.13	0.4101	23.63	0.2306
			1	131	1	99	26.24	0.4206	23.74	0.2365
			64	32	100	0	26.08	0.4055	23.58	0.228
QPSK DFT-s-OFDM		1	1	1	0	26.25	0.4216	23.75	0.2371	
		1	131	1	99	26.27	0.4235	23.77	0.2382	
		64	32	100	0	26.15	0.412	23.65	0.2317	
16QAM DFT-s-OFDM		1	1	1	0	24.64	0.2913	22.14	0.1638	
		1	131	1	99	24.34	0.2719	21.84	0.1529	
		64	32	100	0	24.72	0.2967	22.22	0.1668	
64QAM DFT-s-OFDM		1	1	1	0	23.12	0.2051	20.62	0.1153	
		1	131	1	99	22.91	0.1954	20.41	0.1099	
		64	32	100	0	23.14	0.206	20.64	0.1158	
256QAM DFT-s-OFDM		1	1	1	0	21.20	0.1318	18.70	0.0741	
		1	131	1	99	21.09	0.1285	18.59	0.0723	
		64	32	100	0	21.29	0.1345	18.79	0.0756	
QPSK CP-OFDM		1	1	1	0	24.34	0.2719	21.84	0.1529	
		1	131	1	99	24.17	0.2615	21.67	0.147	
		67	33	100	0	24.27	0.2676	21.77	0.1505	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.15	0.4121	23.65	0.2317	
		1	131	1	99	26.07	0.4046	23.57	0.2275	
		64	32	100	0	26.15	0.4121	23.65	0.2317	
	QPSK DFT-s-OFDM	1	1	1	0	26.25	0.4217	23.75	0.2371	
		1	131	1	99	26.05	0.4027	23.55	0.2265	
		64	32	100	0	26.12	0.4092	23.62	0.2301	
	16QAM DFT-s-OFDM	1	1	1	0	24.70	0.2953	22.20	0.1661	
		1	131	1	99	24.24	0.2657	21.74	0.1494	
		64	32	100	0	24.66	0.2926	22.16	0.1645	
	64QAM DFT-s-OFDM	1	1	1	0	23.07	0.2027	20.57	0.114	
		1	131	1	99	22.91	0.1954	20.41	0.1099	
		64	32	100	0	23.23	0.2103	20.73	0.1182	
	256QAM DFT-s-OFDM	1	1	1	0	21.16	0.1306	18.66	0.0734	
		1	131	1	99	21.34	0.1361	18.84	0.0765	
		64	32	100	0	21.19	0.1315	18.69	0.0739	

EN-DC n41 (ANT0)+2A (ANT3)Combination 40MHz+20MHz(LTE)(GT - LC = -2.5 dB)										
Channel	Mode	NR		LTE		Conducted		EIRP		
		RB		RB						
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)	
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.23	0.4197	23.73	0.236	
		1	104	1	99	26.35	0.4314	23.85	0.2426	
		50	25	100	0	26.16	0.413	23.66	0.2323	
	QPSK DFT-s-OFDM	1	1	1	0	26.38	0.4345	23.88	0.2443	
		1	104	1	99	26.24	0.4207	23.74	0.2366	
		50	25	100	0	26.23	0.4197	23.73	0.236	
	16QAM DFT-s-OFDM	1	1	1	0	24.43	0.2776	21.93	0.1561	
		1	104	1	99	24.35	0.272	21.85	0.1529	
		50	25	100	0	24.70	0.2954	22.20	0.1661	
	64QAM DFT-s-OFDM	1	1	1	0	23.21	0.2094	20.71	0.1177	
		1	104	1	99	22.98	0.1986	20.48	0.1117	
		50	25	100	0	23.31	0.2142	20.81	0.1205	
	256QAM DFT-s-OFDM	1	1	1	0	21.86	0.1533	19.36	0.0862	
		1	104	1	99	21.78	0.1506	19.28	0.0847	
		50	25	100	0	21.75	0.1495	19.25	0.0841	
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.32	0.4285	23.82	0.241
			1	104	1	99	26.26	0.4225	23.76	0.2376
			50	25	100	0	26.18	0.4149	23.68	0.2333
QPSK DFT-s-OFDM		1	1	1	0	26.18	0.4149	23.68	0.2333	
		1	104	1	99	26.23	0.4197	23.73	0.236	
		50	25	100	0	26.24	0.4206	23.74	0.2365	
16QAM DFT-s-OFDM		1	1	1	0	24.54	0.2847	22.04	0.1601	
		1	104	1	99	24.68	0.294	22.18	0.1653	
		50	25	100	0	24.99	0.3156	22.49	0.1775	
64QAM DFT-s-OFDM		1	1	1	0	23.42	0.2197	20.92	0.1235	
		1	104	1	99	23.40	0.2187	20.90	0.123	
		50	25	100	0	23.56	0.2268	21.06	0.1276	
256QAM DFT-s-OFDM		1	1	1	0	21.84	0.1529	19.34	0.086	
		1	104	1	99	21.74	0.1491	19.24	0.0839	
		50	25	100	0	21.60	0.1444	19.10	0.0812	
QPSK CP-OFDM		1	1	1	0	24.68	0.294	22.18	0.1653	
		1	104	1	99	24.40	0.2757	21.90	0.155	
		53	26	100	0	24.49	0.2815	21.99	0.1583	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.34	0.4304	23.84	0.2421	
		1	104	1	99	26.18	0.4149	23.68	0.2333	
		50	25	100	0	26.22	0.4187	23.72	0.2355	
	QPSK DFT-s-OFDM	1	1	1	0	26.41	0.4374	23.91	0.2459	
		1	104	1	99	26.14	0.411	23.64	0.2311	
		50	25	100	0	26.21	0.4177	23.71	0.2349	
	16QAM DFT-s-OFDM	1	1	1	0	24.44	0.2782	21.94	0.1565	
		1	104	1	99	24.57	0.2866	22.07	0.1612	
		50	25	100	0	24.74	0.298	22.24	0.1676	
	64QAM DFT-s-OFDM	1	1	1	0	22.82	0.1914	20.32	0.1076	
		1	104	1	99	22.25	0.168	19.75	0.0944	
		50	25	100	0	23.04	0.2013	20.54	0.1132	
	256QAM DFT-s-OFDM	1	1	1	0	21.19	0.1315	18.69	0.0739	
		1	104	1	99	20.65	0.1162	18.15	0.0654	
		50	25	100	0	21.26	0.1336	18.76	0.0751	

EN-DC n41 (ANT0)+2A (ANT3)Combination 30MHz+20MHz(LTE)(GT - LC = -2.5 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.28	0.4245	23.78	0.2387
		1	76	1	99	26.27	0.4236	23.77	0.2382
		36	18	100	0	26.23	0.4197	23.73	0.236
	QPSK DFT-s-OFDM	1	1	1	0	26.22	0.4187	23.72	0.2354
		1	76	1	99	26.39	0.4354	23.89	0.2449
		36	18	100	0	26.21	0.4177	23.71	0.2349
	16QAM DFT-s-OFDM	1	1	1	0	24.73	0.2974	22.23	0.1672
		1	76	1	99	24.84	0.305	22.34	0.1715
		36	18	100	0	24.66	0.2926	22.16	0.1646
	64QAM DFT-s-OFDM	1	1	1	0	23.13	0.2055	20.63	0.1156
		1	76	1	99	23.36	0.2167	20.86	0.1219
		36	18	100	0	23.23	0.2103	20.73	0.1183
	256QAM DFT-s-OFDM	1	1	1	0	21.78	0.1505	19.28	0.0847
		1	76	1	99	21.31	0.1352	18.81	0.076
		36	18	100	0	21.75	0.1495	19.25	0.0841
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.27	0.4236	23.77
1			76	1	99	26.41	0.4375	23.91	0.246
36			18	100	0	26.20	0.4169	23.70	0.2344
QPSK DFT-s-OFDM		1	1	1	0	26.27	0.4236	23.77	0.2382
		1	76	1	99	26.30	0.4265	23.80	0.2398
		36	18	100	0	26.23	0.4197	23.73	0.236
16QAM DFT-s-OFDM		1	1	1	0	24.57	0.2867	22.07	0.1612
		1	76	1	99	24.31	0.2701	21.81	0.1519
		36	18	100	0	25.00	0.3164	22.50	0.1779
64QAM DFT-s-OFDM		1	1	1	0	22.90	0.195	20.40	0.1097
		1	76	1	99	22.95	0.1973	20.45	0.1109
		36	18	100	0	23.59	0.2284	21.09	0.1284
256QAM DFT-s-OFDM		1	1	1	0	21.33	0.1358	18.83	0.0764
		1	76	1	99	21.10	0.1288	18.60	0.0724
		36	18	100	0	21.64	0.1458	19.14	0.082
QPSK CP-OFDM		1	1	1	0	23.92	0.2464	21.42	0.1386
	1	76	1	99	23.62	0.23	21.12	0.1293	
	39	19	100	0	24.34	0.272	21.84	0.1529	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.31	0.4274	23.81	0.2403
		1	76	1	99	26.26	0.4225	23.76	0.2376
		36	18	100	0	26.11	0.4082	23.61	0.2295
	QPSK DFT-s-OFDM	1	1	1	0	26.31	0.4274	23.81	0.2403
		1	76	1	99	26.16	0.4133	23.66	0.2324
		36	18	100	0	26.19	0.4158	23.69	0.2338
	16QAM DFT-s-OFDM	1	1	1	0	24.62	0.2899	22.12	0.163
		1	76	1	99	24.12	0.2585	21.62	0.1453
		36	18	100	0	24.60	0.2886	22.10	0.1623
	64QAM DFT-s-OFDM	1	1	1	0	23.06	0.2022	20.56	0.1137
		1	76	1	99	23.44	0.2206	20.94	0.1241
		36	18	100	0	23.13	0.2055	20.63	0.1155
	256QAM DFT-s-OFDM	1	1	1	0	21.42	0.1386	18.92	0.0779
		1	76	1	99	21.02	0.1265	18.52	0.0711
		36	18	100	0	21.22	0.1324	18.72	0.0744

EN-DC n41 (ANT0)+2A (ANT3)Combination 20MHz+20MHz(LTE)(GT - LC = -2.5 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.23	0.4197	23.73	0.236
		1	49	1	99	26.12	0.4092	23.62	0.2301
		25	12	100	0	26.18	0.4149	23.68	0.2333
	QPSK DFT-s-OFDM	1	1	1	0	26.15	0.412	23.65	0.2317
		1	49	1	99	26.14	0.4111	23.64	0.2312
		25	12	100	0	26.19	0.4159	23.69	0.2339
	16QAM DFT-s-OFDM	1	1	1	0	24.40	0.2757	21.90	0.155
		1	49	1	99	24.54	0.2847	22.04	0.1601
		25	12	100	0	24.97	0.3142	22.47	0.1767
	64QAM DFT-s-OFDM	1	1	1	0	22.77	0.1893	20.27	0.1064
		1	49	1	99	22.81	0.191	20.31	0.1074
		25	12	100	0	23.52	0.2248	21.02	0.1264
256QAM DFT-s-OFDM	1	1	1	0	21.46	0.1399	18.96	0.0787	
	1	49	1	99	21.52	0.1418	19.02	0.0797	
	25	12	100	0	21.73	0.1488	19.23	0.0837	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.12	0.4092	23.62	0.2301
		1	49	1	99	26.19	0.4159	23.69	0.2339
		25	12	100	0	26.16	0.413	23.66	0.2323
	QPSK DFT-s-OFDM	1	1	1	0	26.26	0.4226	23.76	0.2377
		1	49	1	99	26.17	0.414	23.67	0.2328
		25	12	100	0	26.21	0.4178	23.71	0.235
	16QAM DFT-s-OFDM	1	1	1	0	25.00	0.3164	22.50	0.1779
		1	49	1	99	24.79	0.3016	22.29	0.1696
		25	12	100	0	24.84	0.305	22.34	0.1715
	64QAM DFT-s-OFDM	1	1	1	0	23.30	0.2137	20.80	0.1202
		1	49	1	99	23.18	0.208	20.68	0.1169
		25	12	100	0	23.29	0.2133	20.79	0.1199
256QAM DFT-s-OFDM	1	1	1	0	21.67	0.1468	19.17	0.0826	
	1	49	1	99	20.98	0.1254	18.48	0.0705	
	25	12	100	0	21.39	0.1377	18.89	0.0774	
QPSK CP-OFDM	1	1	1	0	24.10	0.2568	21.60	0.1444	
	1	49	1	99	24.00	0.251	21.50	0.1411	
	25	12	100	0	24.17	0.261	21.67	0.1467	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	26.07	0.4045	23.57	0.2275
		1	49	1	99	26.00	0.3981	23.50	0.2238
		25	12	100	0	26.09	0.4064	23.59	0.2285
	QPSK DFT-s-OFDM	1	1	1	0	26.18	0.4149	23.68	0.2333
		1	49	1	99	25.96	0.3944	23.46	0.2218
		25	12	100	0	26.10	0.4074	23.60	0.2291
	16QAM DFT-s-OFDM	1	1	1	0	24.60	0.2886	22.10	0.1623
		1	49	1	99	24.27	0.267	21.77	0.1501
		25	12	100	0	24.41	0.2763	21.91	0.1554
	64QAM DFT-s-OFDM	1	1	1	0	23.03	0.2009	20.53	0.1129
		1	49	1	99	23.01	0.1999	20.51	0.1124
		25	12	100	0	22.90	0.195	20.40	0.1096
256QAM DFT-s-OFDM	1	1	1	0	21.07	0.1279	18.57	0.0719	
	1	49	1	99	20.47	0.1115	17.97	0.0627	
	25	12	100	0	20.96	0.1247	18.46	0.0701	

5G NR EN_DC_2A-n71A NSA mode:

EN-DC n71 (ANT1)+2A (ANT3)Combination 20MHz+20MHz(LTE)(GT - LC = -4 dB)									
Channel	Mode	NR		LTE		Conducted		ERP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.09	0.2562	17.94	0.0622
		1	104	1	99	23.84	0.2419	17.69	0.0587
		50	25	100	0	23.96	0.2486	17.81	0.0603
	QPSK DFT-s-OFDM	1	1	1	0	24.06	0.2544	17.91	0.0617
		1	104	1	99	23.83	0.2413	17.68	0.0586
		50	25	100	0	23.95	0.2481	17.80	0.0602
	16QAM DFT-s-OFDM	1	1	1	0	22.61	0.1825	16.46	0.0443
		1	104	1	99	22.43	0.1751	16.28	0.0425
		50	25	100	0	22.46	0.1763	16.31	0.0428
	64QAM DFT-s-OFDM	1	1	1	0	20.96	0.1248	14.81	0.0303
		1	104	1	99	21.27	0.134	15.12	0.0325
		50	25	100	0	21.06	0.1277	14.91	0.031
256QAM DFT-s-OFDM	1	1	1	0	19.18	0.0828	13.03	0.0201	
	1	104	1	99	18.89	0.0775	12.74	0.0188	
	50	25	100	0	19.10	0.0813	12.95	0.0197	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.89	0.2447	17.74	0.0594
		1	104	1	99	23.91	0.2458	17.76	0.0596
		50	25	100	0	23.90	0.2453	17.75	0.0595
	QPSK DFT-s-OFDM	1	1	1	0	23.83	0.2414	17.68	0.0586
		1	104	1	99	23.85	0.2425	17.70	0.0588
		50	25	100	0	23.97	0.2492	17.82	0.0605
	16QAM DFT-s-OFDM	1	1	1	0	22.56	0.1804	16.41	0.0438
		1	104	1	99	22.27	0.1688	16.12	0.041
		50	25	100	0	22.48	0.1771	16.33	0.043
	64QAM DFT-s-OFDM	1	1	1	0	21.10	0.1289	14.95	0.0313
		1	104	1	99	21.01	0.1262	14.86	0.0306
		50	25	100	0	21.02	0.1265	14.87	0.0307
	256QAM DFT-s-OFDM	1	1	1	0	19.51	0.0894	13.36	0.0217
		1	104	1	99	19.13	0.0818	12.98	0.0199
		50	25	100	0	19.09	0.0811	12.94	0.0197
	QPSK CP-OFDM	1	1	1	0	22.18	0.1653	16.03	0.0401
		1	104	1	99	21.89	0.1544	15.74	0.0375
		53	26	100	0	21.99	0.1583	15.84	0.0384
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.01	0.2515	17.86	0.061
		1	104	1	99	23.56	0.2269	17.41	0.0551
		50	25	100	0	23.76	0.2375	17.61	0.0576
	QPSK DFT-s-OFDM	1	1	1	0	23.93	0.247	17.78	0.0599
		1	104	1	99	23.76	0.2375	17.61	0.0576
		50	25	100	0	23.75	0.237	17.60	0.0575
	16QAM DFT-s-OFDM	1	1	1	0	22.62	0.1829	16.47	0.0444
		1	104	1	99	22.16	0.1646	16.01	0.0399
		50	25	100	0	22.34	0.1715	16.19	0.0416
	64QAM DFT-s-OFDM	1	1	1	0	21.30	0.1349	15.15	0.0327
		1	104	1	99	20.87	0.1222	14.72	0.0297
		50	25	100	0	20.94	0.1242	14.79	0.0301
	256QAM DFT-s-OFDM	1	1	1	0	18.97	0.0789	12.82	0.0191
		1	104	1	99	18.68	0.0739	12.53	0.0179
		50	25	100	0	18.99	0.0793	12.84	0.0192

EN-DC n71 (ANT1)+2A (ANT3)Combination 15MHz+20MHz(LTE)(GT - LC = -4 dB)									
Channel	Mode	NR		LTE		Conducted		ERP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.08	0.2556	17.93	0.062
		1	77	1	99	23.87	0.2436	17.72	0.0591
		36	18	100	0	24.06	0.2544	17.91	0.0617
	QPSK DFT-s-OFDM	1	1	1	0	24.07	0.2556	17.92	0.062
		1	77	1	99	23.91	0.2458	17.76	0.0596
		36	18	100	0	24.05	0.2539	17.90	0.0616
	16QAM DFT-s-OFDM	1	1	1	0	22.76	0.1889	16.61	0.0458
		1	77	1	99	22.61	0.1825	16.46	0.0443
		36	18	100	0	22.55	0.18	16.40	0.0437
	64QAM DFT-s-OFDM	1	1	1	0	21.19	0.1315	15.04	0.0319
		1	77	1	99	21.20	0.1318	15.05	0.032
		36	18	100	0	21.13	0.1297	14.98	0.0315
256QAM DFT-s-OFDM	1	1	1	0	19.39	0.0868	13.24	0.0211	
	1	77	1	99	19.36	0.0862	13.21	0.0209	
	36	18	100	0	19.23	0.0837	13.08	0.0203	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.91	0.2458	17.76	0.0596
		1	77	1	99	23.77	0.238	17.62	0.0578
		36	18	100	0	24.04	0.2533	17.89	0.0615
	QPSK DFT-s-OFDM	1	1	1	0	23.88	0.2441	17.73	0.0592
		1	77	1	99	23.79	0.2392	17.64	0.058
		36	18	100	0	24.03	0.2527	17.88	0.0613
	16QAM DFT-s-OFDM	1	1	1	0	22.68	0.1854	16.53	0.045
		1	77	1	99	22.52	0.1787	16.37	0.0434
		36	18	100	0	22.55	0.18	16.40	0.0437
	64QAM DFT-s-OFDM	1	1	1	0	21.10	0.1288	14.95	0.0313
		1	77	1	99	21.09	0.1285	14.94	0.0312
		36	18	100	0	21.15	0.1303	15.00	0.0316
	256QAM DFT-s-OFDM	1	1	1	0	19.16	0.0824	13.01	0.02
		1	77	1	99	19.26	0.0843	13.11	0.0204
		36	18	100	0	19.22	0.0835	13.07	0.0203
	QPSK CP-OFDM	1	1	1	0	22.09	0.162	15.94	0.0393
		1	77	1	99	21.93	0.1558	15.78	0.0378
		39	19	100	0	22.15	0.1642	16.00	0.0398
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.97	0.2492	17.82	0.0605
		1	77	1	99	23.66	0.2321	17.51	0.0563
		36	18	100	0	23.78	0.2386	17.63	0.0579
	QPSK DFT-s-OFDM	1	1	1	0	23.96	0.2486	17.81	0.0603
		1	77	1	99	23.59	0.2284	17.44	0.0554
		36	18	100	0	23.77	0.2381	17.62	0.0578
	16QAM DFT-s-OFDM	1	1	1	0	22.52	0.1787	16.37	0.0434
		1	77	1	99	22.34	0.1715	16.19	0.0416
		36	18	100	0	22.46	0.1763	16.31	0.0428
	64QAM DFT-s-OFDM	1	1	1	0	21.22	0.1324	15.07	0.0321
		1	77	1	99	20.87	0.1222	14.72	0.0297
		36	18	100	0	20.99	0.1257	14.84	0.0305
	256QAM DFT-s-OFDM	1	1	1	0	19.25	0.0841	13.10	0.0204
		1	77	1	99	18.88	0.0773	12.73	0.0188
		36	18	100	0	18.94	0.0783	12.79	0.019

EN-DC n71 (ANT1)+2A (ANT3)Combination 10MHz+20MHz(LTE)(GT - LC = -4 dB)									
Channel	Mode	NR		LTE		Conducted		ERP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.06	0.2544	17.91	0.0617
		1	50	1	99	23.95	0.2481	17.80	0.0602
		25	12	100	0	24.03	0.2527	17.88	0.0613
	QPSK DFT-s-OFDM	1	1	1	0	24.08	0.2556	17.93	0.062
		1	50	1	99	23.95	0.2481	17.80	0.0602
		25	12	100	0	24.05	0.2539	17.90	0.0616
	16QAM DFT-s-OFDM	1	1	1	0	22.88	0.1941	16.73	0.0471
		1	50	1	99	22.60	0.1821	16.45	0.0442
		25	12	100	0	22.69	0.1858	16.54	0.0451
	64QAM DFT-s-OFDM	1	1	1	0	21.12	0.1294	14.97	0.0314
		1	50	1	99	21.39	0.1377	15.24	0.0334
		25	12	100	0	21.21	0.1321	15.06	0.0321
256QAM DFT-s-OFDM	1	1	1	0	19.33	0.0856	13.18	0.0208	
	1	50	1	99	19.22	0.0835	13.07	0.0203	
	25	12	100	0	19.24	0.0839	13.09	0.0204	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.84	0.2419	17.69	0.0587
		1	50	1	99	23.78	0.2386	17.63	0.0579
		25	12	100	0	23.86	0.243	17.71	0.059
	QPSK DFT-s-OFDM	1	1	1	0	23.82	0.2408	17.67	0.0584
		1	50	1	99	23.85	0.2425	17.70	0.0588
		25	12	100	0	23.83	0.2414	17.68	0.0586
	16QAM DFT-s-OFDM	1	1	1	0	22.66	0.1846	16.51	0.0448
		1	50	1	99	22.37	0.1727	16.22	0.0419
		25	12	100	0	22.43	0.1751	16.28	0.0425
	64QAM DFT-s-OFDM	1	1	1	0	21.20	0.1318	15.05	0.032
		1	50	1	99	20.99	0.1256	14.84	0.0305
		25	12	100	0	21.04	0.1271	14.89	0.0308
	256QAM DFT-s-OFDM	1	1	1	0	19.04	0.0801	12.89	0.0194
		1	50	1	99	18.95	0.0785	12.80	0.0191
		25	12	100	0	19.12	0.0816	12.97	0.0198
	QPSK CP-OFDM	1	1	1	0	22.08	0.1616	15.93	0.0392
		1	50	1	99	22.07	0.1612	15.92	0.0391
		26	13	100	0	21.95	0.1569	15.80	0.0381
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.81	0.2402	17.66	0.0583
		1	50	1	99	23.55	0.2263	17.40	0.0549
		25	12	100	0	23.74	0.2364	17.59	0.0574
	QPSK DFT-s-OFDM	1	1	1	0	23.83	0.2413	17.68	0.0586
		1	50	1	99	23.61	0.2295	17.46	0.0557
		25	12	100	0	23.73	0.2359	17.58	0.0572
	16QAM DFT-s-OFDM	1	1	1	0	22.56	0.1804	16.41	0.0438
		1	50	1	99	22.32	0.1707	16.17	0.0414
		25	12	100	0	22.34	0.1715	16.19	0.0416
	64QAM DFT-s-OFDM	1	1	1	0	21.06	0.1277	14.91	0.031
		1	50	1	99	20.93	0.1239	14.78	0.0301
		25	12	100	0	20.99	0.1256	14.84	0.0305
	256QAM DFT-s-OFDM	1	1	1	0	19.08	0.0809	12.93	0.0196
		1	50	1	99	19.12	0.0816	12.97	0.0198
		25	12	100	0	19.01	0.0796	12.86	0.0193

EN-DC n71 (ANT1)+2A (ANT3)Combination 5MHz+20MHz(LTE)(GT - LC = -4 dB)									
Channel	Mode	NR		LTE		Conducted		ERP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	ERP(dBm)	ERP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.03	0.2526	17.88	0.0613
		1	23	1	99	23.96	0.2487	17.81	0.0603
		12	6	100	0	24.07	0.255	17.92	0.0619
	QPSK DFT-s-OFDM	1	1	1	0	24.08	0.2556	17.93	0.062
		1	23	1	99	24.03	0.2527	17.88	0.0613
		12	6	100	0	24.07	0.255	17.92	0.0619
	16QAM DFT-s-OFDM	1	1	1	0	22.84	0.1923	16.69	0.0467
		1	23	1	99	22.71	0.1865	16.56	0.0452
		12	6	100	0	22.79	0.1901	16.64	0.0461
	64QAM DFT-s-OFDM	1	1	1	0	21.21	0.1321	15.06	0.0321
		1	23	1	99	21.11	0.1291	14.96	0.0313
		12	6	100	0	21.26	0.1336	15.11	0.0324
256QAM DFT-s-OFDM	1	1	1	0	19.40	0.087	13.25	0.0211	
	1	23	1	99	19.30	0.085	13.15	0.0206	
	12	6	100	0	19.23	0.0837	13.08	0.0203	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.98	0.2498	17.83	0.0606
		1	23	1	99	23.88	0.2441	17.73	0.0592
		12	6	100	0	23.89	0.2447	17.74	0.0594
	QPSK DFT-s-OFDM	1	1	1	0	23.77	0.238	17.62	0.0578
		1	23	1	99	23.68	0.2332	17.53	0.0566
		12	6	100	0	23.83	0.2413	17.68	0.0586
	16QAM DFT-s-OFDM	1	1	1	0	22.54	0.1796	16.39	0.0436
		1	23	1	99	22.59	0.1816	16.44	0.0441
		12	6	100	0	22.43	0.1751	16.28	0.0425
	64QAM DFT-s-OFDM	1	1	1	0	21.21	0.1321	15.06	0.0321
		1	23	1	99	21.00	0.1259	14.85	0.0306
		12	6	100	0	21.05	0.1274	14.90	0.0309
	256QAM DFT-s-OFDM	1	1	1	0	19.04	0.0801	12.89	0.0194
		1	23	1	99	19.07	0.0807	12.92	0.0196
		12	6	100	0	19.06	0.0805	12.91	0.0195
QPSK CP-OFDM	1	1	1	0	21.99	0.1583	15.84	0.0384	
	1	23	1	99	21.96	0.1569	15.81	0.0381	
	13	6	100	0	22.00	0.1587	15.85	0.0385	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	23.83	0.2413	17.68	0.0586
		1	23	1	99	23.70	0.2342	17.55	0.0568
		12	6	100	0	23.77	0.2381	17.62	0.0578
	QPSK DFT-s-OFDM	1	1	1	0	23.78	0.2386	17.63	0.0579
		1	23	1	99	23.56	0.2269	17.41	0.0551
		12	6	100	0	23.80	0.2397	17.65	0.0582
	16QAM DFT-s-OFDM	1	1	1	0	22.49	0.1775	16.34	0.0431
		1	23	1	99	22.34	0.1715	16.19	0.0416
		12	6	100	0	22.46	0.1763	16.31	0.0428
	64QAM DFT-s-OFDM	1	1	1	0	21.14	0.13	14.99	0.0316
		1	23	1	99	20.87	0.1222	14.72	0.0297
		12	6	100	0	20.89	0.1228	14.74	0.0298
	256QAM DFT-s-OFDM	1	1	1	0	19.15	0.0822	13.00	0.0199
		1	23	1	99	18.88	0.0773	12.73	0.0188
		12	6	100	0	18.89	0.0774	12.74	0.0188

5G NR EN_DC_5A-n77A NSA mode:

EN-DC n77 (ANT9)+5A (ANT1)Combination 100MHz+10MHz(LTE)(GT - LC = -2.5dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.36	0.2727	21.86	0.1533
		1	271	1	49	24.32	0.2702	21.82	0.1519
		135	67	50	0	24.32	0.2702	21.82	0.1519
	QPSK DFT-s-OFDM	1	1	1	0	24.38	0.2739	21.88	0.154
		1	271	1	49	24.27	0.2671	21.77	0.1502
		135	67	50	0	24.35	0.272	21.85	0.153
	16QAM DFT-s-OFDM	1	1	1	0	23.45	0.2211	20.95	0.1243
		1	271	1	49	23.47	0.2221	20.97	0.1249
		135	67	50	0	23.44	0.2206	20.94	0.1241
	64QAM DFT-s-OFDM	1	1	1	0	21.71	0.1484	19.21	0.0834
		1	271	1	49	21.75	0.1498	19.25	0.0842
		135	67	50	0	22.05	0.1604	19.55	0.0902
	256QAM DFT-s-OFDM	1	1	1	0	19.65	0.0923	17.15	0.0519
		1	271	1	49	19.53	0.0897	17.03	0.0505
		135	67	50	0	19.91	0.0979	17.41	0.055
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.49	0.2809	21.99	0.158
		1	271	1	49	24.47	0.2796	21.97	0.1573
		135	67	50	0	24.41	0.2758	21.91	0.1551
	QPSK DFT-s-OFDM	1	1	1	0	24.33	0.2708	21.83	0.1523
		1	271	1	49	24.47	0.2796	21.97	0.1573
		135	67	50	0	24.31	0.2695	21.81	0.1516
	16QAM DFT-s-OFDM	1	1	1	0	23.53	0.2252	21.03	0.1266
		1	271	1	49	23.66	0.232	21.16	0.1305
		135	67	50	0	23.40	0.2186	20.90	0.1229
	64QAM DFT-s-OFDM	1	1	1	0	21.93	0.156	19.43	0.0878
		1	271	1	49	21.89	0.1546	19.39	0.087
		135	67	50	0	21.86	0.1536	19.36	0.0864
	256QAM DFT-s-OFDM	1	1	1	0	19.95	0.0988	17.45	0.0555
		1	271	1	49	20.09	0.102	17.59	0.0574
		135	67	50	0	19.77	0.0948	17.27	0.0533
QPSK CP-OFDM	1	1	1	0	23.25	0.2112	20.75	0.1188	
	1	271	1	49	22.98	0.1985	20.48	0.1116	
	137	68	50	0	22.58	0.1811	20.08	0.1018	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.24	0.2653	21.74	0.1492
		1	271	1	49	24.40	0.2752	21.90	0.1547
		135	67	50	0	24.23	0.2647	21.73	0.1488
	QPSK DFT-s-OFDM	1	1	1	0	24.40	0.2752	21.90	0.1547
		1	271	1	49	24.71	0.2955	22.21	0.1662
		135	67	50	0	24.25	0.2659	21.75	0.1495
	16QAM DFT-s-OFDM	1	1	1	0	23.60	0.2289	21.10	0.1287
		1	271	1	49	23.61	0.2294	21.11	0.129
		135	67	50	0	23.36	0.2166	20.86	0.1218
	64QAM DFT-s-OFDM	1	1	1	0	21.79	0.1511	19.29	0.085
		1	271	1	49	22.00	0.1586	19.50	0.0892
		135	67	50	0	21.71	0.1484	19.21	0.0834
	256QAM DFT-s-OFDM	1	1	1	0	19.73	0.0939	17.23	0.0528
		1	271	1	49	19.88	0.0972	17.38	0.0547
		135	67	50	0	19.89	0.0974	17.39	0.0548

EN-DC n77 (ANT9)+5A (ANT1)Combination 90MHz+10MHz(LTE)(GT - LC = -2.5 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.26	0.2669	21.76	0.1501
		1	243	1	49	24.36	0.2731	21.86	0.1536
		120	60	50	0	24.32	0.2706	21.82	0.1522
	QPSK DFT-s-OFDM	1	1	1	0	24.40	0.2756	21.90	0.155
		1	243	1	49	24.43	0.2775	21.93	0.1561
		120	60	50	0	24.35	0.2725	21.85	0.1532
	16QAM DFT-s-OFDM	1	1	1	0	23.48	0.2226	20.98	0.1252
		1	243	1	49	23.59	0.2283	21.09	0.1284
		120	60	50	0	23.38	0.2176	20.88	0.1223
	64QAM DFT-s-OFDM	1	1	1	0	21.70	0.148	19.20	0.0833
		1	243	1	49	21.71	0.1484	19.21	0.0834
		120	60	50	0	21.95	0.1568	19.45	0.0882
256QAM DFT-s-OFDM	1	1	1	0	19.64	0.092	17.14	0.0517	
	1	243	1	49	19.72	0.0937	17.22	0.0527	
	120	60	50	0	19.99	0.0997	17.49	0.056	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.34	0.2718	21.84	0.1529
		1	243	1	49	24.51	0.2827	22.01	0.1589
		120	60	50	0	24.37	0.2737	21.87	0.1539
	QPSK DFT-s-OFDM	1	1	1	0	24.50	0.282	22.00	0.1586
		1	243	1	49	24.61	0.2892	22.11	0.1626
		120	60	50	0	24.42	0.2769	21.92	0.1557
	16QAM DFT-s-OFDM	1	1	1	0	23.64	0.231	21.14	0.1299
		1	243	1	49	23.79	0.2391	21.29	0.1344
		120	60	50	0	23.38	0.2176	20.88	0.1224
	64QAM DFT-s-OFDM	1	1	1	0	21.78	0.1508	19.28	0.0848
		1	243	1	49	21.96	0.1572	19.46	0.0884
		120	60	50	0	21.83	0.1525	19.33	0.0858
256QAM DFT-s-OFDM	1	1	1	0	20.00	0.0999	17.50	0.0562	
	1	243	1	49	19.95	0.0988	17.45	0.0555	
	120	60	50	0	19.98	0.0995	17.48	0.0559	
QPSK CP-OFDM	1	1	1	0	23.20	0.2088	20.70	0.1174	
	1	243	1	49	22.96	0.1976	20.46	0.1111	
	123	61	50	0	22.87	0.1936	20.37	0.1088	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.41	0.2763	21.91	0.1554
		1	243	1	49	24.53	0.284	22.03	0.1597
		120	60	50	0	24.43	0.2775	21.93	0.1561
	QPSK DFT-s-OFDM	1	1	1	0	24.41	0.2762	21.91	0.1553
		1	243	1	49	24.54	0.2846	22.04	0.16
		120	60	50	0	24.33	0.2712	21.83	0.1525
	16QAM DFT-s-OFDM	1	1	1	0	23.52	0.2247	21.02	0.1264
		1	243	1	49	23.44	0.2206	20.94	0.124
		120	60	50	0	23.35	0.2161	20.85	0.1215
	64QAM DFT-s-OFDM	1	1	1	0	21.73	0.1491	19.23	0.0838
		1	243	1	49	21.96	0.1571	19.46	0.0884
		120	60	50	0	21.83	0.1525	19.33	0.0858
256QAM DFT-s-OFDM	1	1	1	0	19.71	0.0935	17.21	0.0526	
	1	243	1	49	19.92	0.0981	17.42	0.0552	
	120	60	50	0	19.88	0.0972	17.38	0.0547	

EN-DC n77 (ANT9)+5A (ANT1)Combination 80MHz+10MHz(LTE)(GT - LC = -2.5 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.25	0.2663	21.75	0.1497
		1	215	1	49	24.42	0.2769	21.92	0.1557
		108	54	50	0	24.29	0.2687	21.79	0.1511
	QPSK DFT-s-OFDM	1	1	1	0	24.26	0.2669	21.76	0.1501
		1	215	1	49	24.29	0.2687	21.79	0.1511
		108	54	50	0	24.24	0.2657	21.74	0.1494
	16QAM DFT-s-OFDM	1	1	1	0	23.39	0.2181	20.89	0.1226
		1	215	1	49	23.61	0.2294	21.11	0.129
		108	54	50	0	23.46	0.2216	20.96	0.1246
	64QAM DFT-s-OFDM	1	1	1	0	21.67	0.147	19.17	0.0827
		1	215	1	49	21.70	0.1481	19.20	0.0833
		108	54	50	0	21.81	0.1518	19.31	0.0854
256QAM DFT-s-OFDM	1	1	1	0	19.66	0.0925	17.16	0.052	
	1	215	1	49	19.53	0.0897	17.03	0.0505	
	108	54	50	0	19.89	0.0974	17.39	0.0548	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.43	0.2775	21.93	0.156
		1	215	1	49	24.48	0.2807	21.98	0.1578
		108	54	50	0	24.39	0.275	21.89	0.1546
	QPSK DFT-s-OFDM	1	1	1	0	24.55	0.2853	22.05	0.1604
		1	215	1	49	24.49	0.2814	21.99	0.1582
		108	54	50	0	24.47	0.2801	21.97	0.1575
	16QAM DFT-s-OFDM	1	1	1	0	23.45	0.2211	20.95	0.1243
		1	215	1	49	23.80	0.2401	21.30	0.135
		108	54	50	0	23.42	0.2196	20.92	0.1235
	64QAM DFT-s-OFDM	1	1	1	0	21.89	0.1546	19.39	0.087
		1	215	1	49	21.87	0.1539	19.37	0.0866
		108	54	50	0	21.77	0.1505	19.27	0.0846
256QAM DFT-s-OFDM	1	1	1	0	20.01	0.1001	17.51	0.0563	
	1	215	1	49	19.82	0.0959	17.32	0.0539	
	108	54	50	0	19.81	0.0956	17.31	0.0538	
QPSK CP-OFDM	1	1	1	0	23.29	0.2131	20.79	0.1199	
	1	215	1	49	23.01	0.1999	20.51	0.1124	
	109	54	50	0	22.68	0.1853	20.18	0.1042	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.44	0.2782	21.94	0.1564
		1	215	1	49	24.52	0.2833	22.02	0.1593
		108	54	50	0	24.41	0.2763	21.91	0.1554
	QPSK DFT-s-OFDM	1	1	1	0	24.49	0.2813	21.99	0.1582
		1	215	1	49	24.39	0.275	21.89	0.1546
		108	54	50	0	24.39	0.275	21.89	0.1546
	16QAM DFT-s-OFDM	1	1	1	0	23.53	0.2252	21.03	0.1266
		1	215	1	49	23.51	0.2242	21.01	0.1261
		108	54	50	0	23.43	0.2201	20.93	0.1238
	64QAM DFT-s-OFDM	1	1	1	0	21.84	0.1529	19.34	0.086
		1	215	1	49	21.95	0.1568	19.45	0.0882
		108	54	50	0	21.84	0.1529	19.34	0.086
256QAM DFT-s-OFDM	1	1	1	0	19.68	0.0929	17.18	0.0522	
	1	215	1	49	20.02	0.1004	17.52	0.0564	
	108	54	50	0	19.92	0.0981	17.42	0.0552	

EN-DC n77 (ANT9)+5A (ANT1)Combination 50MHz+10MHz(LTE)(GT - LC = -2.5 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.53	0.2835	22.03	0.1594
		1	131	1	49	24.55	0.2848	22.05	0.1602
		64	32	50	0	24.63	0.2907	22.13	0.1635
	QPSK DFT-s-OFDM	1	1	1	0	24.59	0.2874	22.09	0.1616
		1	131	1	49	24.53	0.2835	22.03	0.1594
		64	32	50	0	24.59	0.2874	22.09	0.1616
	16QAM DFT-s-OFDM	1	1	1	0	23.55	0.2262	21.05	0.1272
		1	131	1	49	23.50	0.2237	21.00	0.1258
		64	32	50	0	23.41	0.2191	20.91	0.1232
	64QAM DFT-s-OFDM	1	1	1	0	21.71	0.1484	19.21	0.0834
		1	131	1	49	21.71	0.1484	19.21	0.0835
		64	32	50	0	22.02	0.1593	19.52	0.0896
	256QAM DFT-s-OFDM	1	1	1	0	19.63	0.0918	17.13	0.0516
		1	131	1	49	19.69	0.0931	17.19	0.0523
		64	32	50	0	20.00	0.0999	17.50	0.0562
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.42	0.2764	21.92
1			131	1	49	24.52	0.2828	22.02	0.1591
64			32	50	0	24.35	0.272	21.85	0.153
QPSK DFT-s-OFDM		1	1	1	0	24.58	0.2868	22.08	0.1613
		1	131	1	49	24.50	0.2816	22.00	0.1583
		64	32	50	0	24.54	0.2842	22.04	0.1598
16QAM DFT-s-OFDM		1	1	1	0	23.63	0.2304	21.13	0.1296
		1	131	1	49	23.69	0.2336	21.19	0.1314
		64	32	50	0	23.38	0.2176	20.88	0.1224
64QAM DFT-s-OFDM		1	1	1	0	21.84	0.1529	19.34	0.086
		1	131	1	49	21.89	0.1547	19.39	0.087
		64	32	50	0	21.90	0.155	19.40	0.0872
256QAM DFT-s-OFDM		1	1	1	0	19.91	0.0979	17.41	0.055
		1	131	1	49	19.96	0.099	17.46	0.0557
		64	32	50	0	20.04	0.1008	17.54	0.0567
QPSK CP-OFDM		1	1	1	0	23.25	0.2112	20.75	0.1188
	1	131	1	49	22.98	0.1985	20.48	0.1116	
	67	33	50	0	22.69	0.1858	20.19	0.1045	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.40	0.2752	21.90	0.1547
		1	131	1	49	24.62	0.2894	22.12	0.1628
		64	32	50	0	24.65	0.2914	22.15	0.1639
	QPSK DFT-s-OFDM	1	1	1	0	24.45	0.2784	21.95	0.1565
		1	131	1	49	24.58	0.2868	22.08	0.1613
		64	32	50	0	24.59	0.2874	22.09	0.1616
	16QAM DFT-s-OFDM	1	1	1	0	23.50	0.2237	21.00	0.1258
		1	131	1	49	23.46	0.2216	20.96	0.1246
		64	32	50	0	23.47	0.2221	20.97	0.1249
	64QAM DFT-s-OFDM	1	1	1	0	21.80	0.1515	19.30	0.0852
		1	131	1	49	22.01	0.159	19.51	0.0894
		64	32	50	0	21.79	0.1511	19.29	0.085
	256QAM DFT-s-OFDM	1	1	1	0	19.79	0.0952	17.29	0.0535
		1	131	1	49	20.00	0.0999	17.50	0.0562
		64	32	50	0	19.97	0.0992	17.47	0.0558

EN-DC n77 (ANT9)+5A (ANT1)Combination 40MHz+10MHz(LTE)(GT - LC = -2.5 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.29	0.2687	21.79	0.1511
		1	104	1	49	24.34	0.2718	21.84	0.1529
		50	25	50	0	24.38	0.2743	21.88	0.1543
	QPSK DFT-s-OFDM	1	1	1	0	24.33	0.2712	21.83	0.1525
		1	104	1	49	24.43	0.2775	21.93	0.156
		50	25	50	0	24.36	0.2731	21.86	0.1536
	16QAM DFT-s-OFDM	1	1	1	0	23.43	0.2201	20.93	0.1238
		1	104	1	49	23.53	0.2252	21.03	0.1266
		50	25	50	0	23.43	0.2201	20.93	0.1238
	64QAM DFT-s-OFDM	1	1	1	0	21.77	0.1504	19.27	0.0846
		1	104	1	49	21.74	0.1494	19.24	0.084
		50	25	50	0	21.76	0.1501	19.26	0.0844
	256QAM DFT-s-OFDM	1	1	1	0	19.65	0.0922	17.15	0.0519
		1	104	1	49	19.57	0.0906	17.07	0.0509
		50	25	50	0	19.97	0.0992	17.47	0.0558
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.52	0.2833	22.02	0.1593
		1	104	1	49	24.48	0.2807	21.98	0.1579
		50	25	50	0	24.36	0.2731	21.86	0.1536
	QPSK DFT-s-OFDM	1	1	1	0	24.43	0.2775	21.93	0.156
		1	104	1	49	24.58	0.2872	22.08	0.1615
		50	25	50	0	24.38	0.2744	21.88	0.1543
	16QAM DFT-s-OFDM	1	1	1	0	23.53	0.2252	21.03	0.1267
		1	104	1	49	23.80	0.2396	21.30	0.1347
		50	25	50	0	23.34	0.2156	20.84	0.1212
	64QAM DFT-s-OFDM	1	1	1	0	21.97	0.1575	19.47	0.0886
		1	104	1	49	22.01	0.1589	19.51	0.0894
		50	25	50	0	21.94	0.1564	19.44	0.088
	256QAM DFT-s-OFDM	1	1	1	0	19.98	0.0997	17.48	0.056
		1	104	1	49	19.83	0.0961	17.33	0.054
		50	25	50	0	19.89	0.0974	17.39	0.0548
QPSK CP-OFDM	1	1	1	0	23.19	0.2083	20.69	0.1171	
	1	104	1	49	23.08	0.2031	20.58	0.1142	
	53	26	50	0	22.93	0.1963	20.43	0.1104	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.36	0.2731	21.86	0.1536
		1	104	1	49	24.55	0.2853	22.05	0.1604
		50	25	50	0	24.32	0.2706	21.82	0.1522
	QPSK DFT-s-OFDM	1	1	1	0	24.53	0.284	22.03	0.1597
		1	104	1	49	24.42	0.2769	21.92	0.1557
		50	25	50	0	24.37	0.2737	21.87	0.1539
	16QAM DFT-s-OFDM	1	1	1	0	23.51	0.2242	21.01	0.1261
		1	104	1	49	23.41	0.2191	20.91	0.1232
		50	25	50	0	23.40	0.2186	20.90	0.1229
	64QAM DFT-s-OFDM	1	1	1	0	21.74	0.1494	19.24	0.084
		1	104	1	49	21.96	0.1571	19.46	0.0884
		50	25	50	0	21.87	0.1539	19.37	0.0866
	256QAM DFT-s-OFDM	1	1	1	0	19.81	0.0956	17.31	0.0538
		1	104	1	49	19.88	0.0972	17.38	0.0547
		50	25	50	0	19.89	0.0974	17.39	0.0548

EN-DC n77 (ANT9)+5A (ANT1)Combination 30MHz+10MHz(LTE)(GT - LC = -2.5 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.24	0.2657	21.74	0.1494
		1	76	1	49	24.29	0.2687	21.79	0.1511
		36	18	50	0	24.34	0.2718	21.84	0.1529
	QPSK DFT-s-OFDM	1	1	1	0	24.45	0.2788	21.95	0.1568
		1	76	1	49	24.39	0.275	21.89	0.1546
		36	18	50	0	24.36	0.2731	21.86	0.1536
	16QAM DFT-s-OFDM	1	1	1	0	23.41	0.2191	20.91	0.1232
		1	76	1	49	23.63	0.2304	21.13	0.1296
		36	18	50	0	23.40	0.2186	20.90	0.1229
	64QAM DFT-s-OFDM	1	1	1	0	21.65	0.1463	19.15	0.0823
		1	76	1	49	21.74	0.1494	19.24	0.084
		36	18	50	0	21.92	0.1557	19.42	0.0876
	256QAM DFT-s-OFDM	1	1	1	0	19.63	0.0918	17.13	0.0516
		1	76	1	49	19.58	0.0908	17.08	0.051
		36	18	50	0	20.00	0.0999	17.50	0.0562
	Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.49	0.2814	21.99
1			76	1	49	24.47	0.2801	21.97	0.1575
36			18	50	0	24.47	0.2801	21.97	0.1575
QPSK DFT-s-OFDM		1	1	1	0	24.48	0.2807	21.98	0.1579
		1	76	1	49	24.54	0.2846	22.04	0.16
		36	18	50	0	24.37	0.2737	21.87	0.1539
16QAM DFT-s-OFDM		1	1	1	0	23.58	0.2278	21.08	0.1281
		1	76	1	49	23.74	0.2369	21.24	0.1332
		36	18	50	0	23.36	0.2166	20.86	0.1218
64QAM DFT-s-OFDM		1	1	1	0	21.96	0.1571	19.46	0.0884
		1	76	1	49	21.89	0.1546	19.39	0.0869
		36	18	50	0	21.91	0.1554	19.41	0.0874
256QAM DFT-s-OFDM		1	1	1	0	19.98	0.0995	17.48	0.0559
		1	76	1	49	19.87	0.097	17.37	0.0545
		36	18	50	0	19.86	0.0967	17.36	0.0544
QPSK CP-OFDM		1	1	1	0	23.29	0.2131	20.79	0.1199
	1	76	1	49	22.99	0.199	20.49	0.1119	
	39	19	50	0	22.60	0.182	20.10	0.1023	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.48	0.2807	21.98	0.1579
		1	76	1	49	24.54	0.2846	22.04	0.16
		36	18	50	0	24.43	0.2775	21.93	0.1561
	QPSK DFT-s-OFDM	1	1	1	0	24.39	0.275	21.89	0.1546
		1	76	1	49	24.50	0.282	22.00	0.1586
		36	18	50	0	24.38	0.2743	21.88	0.1543
	16QAM DFT-s-OFDM	1	1	1	0	23.55	0.2262	21.05	0.1272
		1	76	1	49	23.60	0.2289	21.10	0.1287
		36	18	50	0	23.47	0.2221	20.97	0.1249
	64QAM DFT-s-OFDM	1	1	1	0	21.79	0.1511	19.29	0.085
		1	76	1	49	21.94	0.1564	19.44	0.088
		36	18	50	0	21.78	0.1508	19.28	0.0848
	256QAM DFT-s-OFDM	1	1	1	0	19.69	0.0931	17.19	0.0523
		1	76	1	49	19.87	0.097	17.37	0.0545
		36	18	50	0	19.99	0.0997	17.49	0.056

EN-DC n77 (ANT9)+5A (ANT1)Combination 20MHz+10MHz(LTE)(GT - LC = -2.5 dB)									
Channel	Mode	NR		LTE		Conducted		EIRP	
		RB		RB					
		Size	Offset	Size	Offset	Power(dBm)	Power(Watts)	EIRP(dBm)	EIRP(W)
Lowest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.59	0.2874	22.09	0.1616
		1	49	1	49	24.66	0.2921	22.16	0.1643
		25	12	50	0	24.68	0.2941	22.18	0.1654
	QPSK DFT-s-OFDM	1	1	1	0	24.60	0.2881	22.10	0.162
		1	49	1	49	24.54	0.2842	22.04	0.1598
		25	12	50	0	24.58	0.2868	22.08	0.1613
	16QAM DFT-s-OFDM	1	1	1	0	23.50	0.2237	21.00	0.1258
		1	49	1	49	23.50	0.2237	21.00	0.1258
		25	12	50	0	23.38	0.2176	20.88	0.1224
	64QAM DFT-s-OFDM	1	1	1	0	21.76	0.1501	19.26	0.0844
		1	49	1	49	21.68	0.1474	19.18	0.0829
		25	12	50	0	21.89	0.1546	19.39	0.087
256QAM DFT-s-OFDM	1	1	1	0	19.71	0.0935	17.21	0.0526	
	1	49	1	49	19.48	0.0887	16.98	0.0499	
	25	12	50	0	20.02	0.1004	17.52	0.0564	
Middle	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.54	0.2842	22.04	0.1598
		1	49	1	49	24.64	0.2908	22.14	0.1635
		25	12	50	0	24.57	0.2861	22.07	0.1609
	QPSK DFT-s-OFDM	1	1	1	0	24.53	0.2835	22.03	0.1594
		1	49	1	49	24.60	0.2881	22.10	0.162
		25	12	50	0	24.50	0.2816	22.00	0.1583
	16QAM DFT-s-OFDM	1	1	1	0	23.52	0.2247	21.02	0.1264
		1	49	1	49	23.69	0.2336	21.19	0.1314
		25	12	50	0	23.50	0.2237	21.00	0.1258
	64QAM DFT-s-OFDM	1	1	1	0	21.78	0.1508	19.28	0.0848
		1	49	1	49	21.96	0.1571	19.46	0.0884
		25	12	50	0	21.85	0.1532	19.35	0.0862
256QAM DFT-s-OFDM	1	1	1	0	20.00	0.0999	17.50	0.0562	
	1	49	1	49	19.92	0.0981	17.42	0.0552	
	25	12	50	0	19.85	0.0966	17.35	0.0543	
QPSK CP-OFDM	1	1	1	0	23.15	0.2064	20.65	0.1161	
	1	49	1	49	23.07	0.2027	20.57	0.114	
	25	12	50	0	22.57	0.1807	20.07	0.1016	
Highest	PI/2 BPSK DFT-s-OFDM	1	1	1	0	24.62	0.2894	22.12	0.1628
		1	49	1	49	24.64	0.2907	22.14	0.1635
		25	12	50	0	24.67	0.2928	22.17	0.1646
	QPSK DFT-s-OFDM	1	1	1	0	24.61	0.2888	22.11	0.1624
		1	49	1	49	24.64	0.2908	22.14	0.1635
		25	12	50	0	24.61	0.2888	22.11	0.1624
	16QAM DFT-s-OFDM	1	1	1	0	23.60	0.2288	21.10	0.1287
		1	49	1	49	23.38	0.2176	20.88	0.1224
		25	12	50	0	23.40	0.2186	20.90	0.1229
	64QAM DFT-s-OFDM	1	1	1	0	21.77	0.1505	19.27	0.0846
		1	49	1	49	21.97	0.1575	19.47	0.0886
		25	12	50	0	21.95	0.1568	19.45	0.0882
256QAM DFT-s-OFDM	1	1	1	0	19.72	0.0937	17.22	0.0527	
	1	49	1	49	19.97	0.0992	17.47	0.0558	
	25	12	50	0	19.79	0.0952	17.29	0.0536	



5G NR n7 SA

Peak-to-Average Ratio

Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.97	3.57	5.97	5.25	PASS
Middle CH	3.86	3.42	5.65	5.07	
Highest CH	3.8	3.57	5.94	4.99	



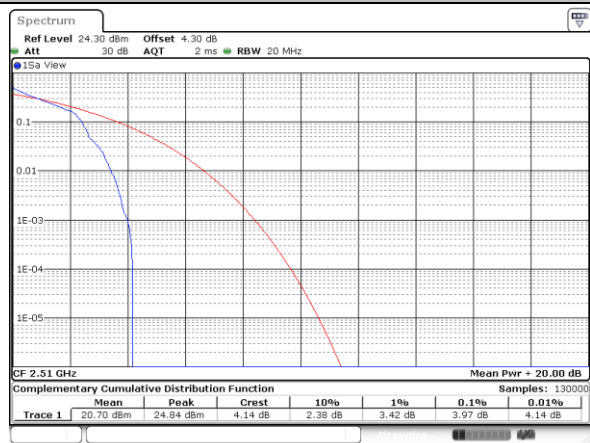
FR1 n7 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

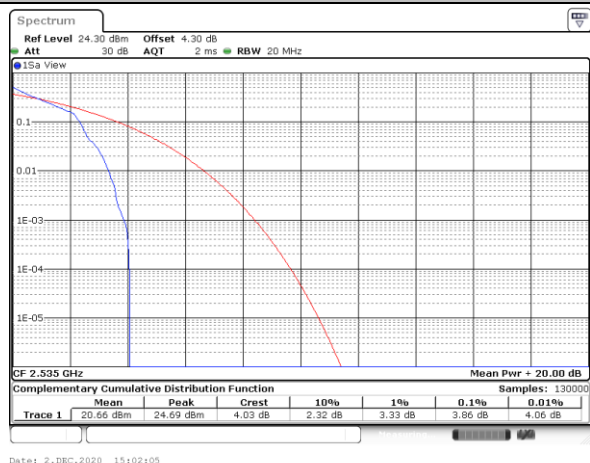
Lowest Channel / 1RB

Lowest Channel / 1RB



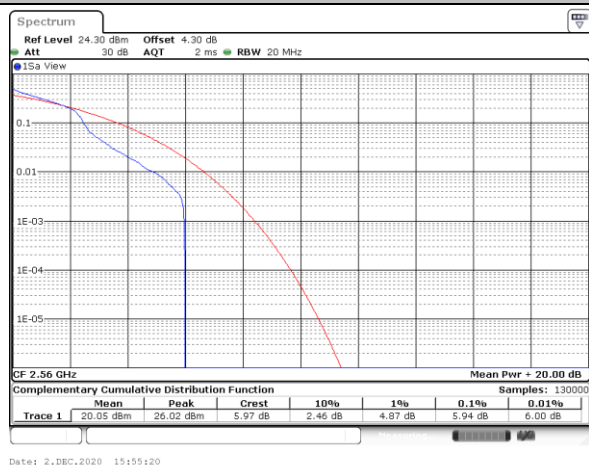
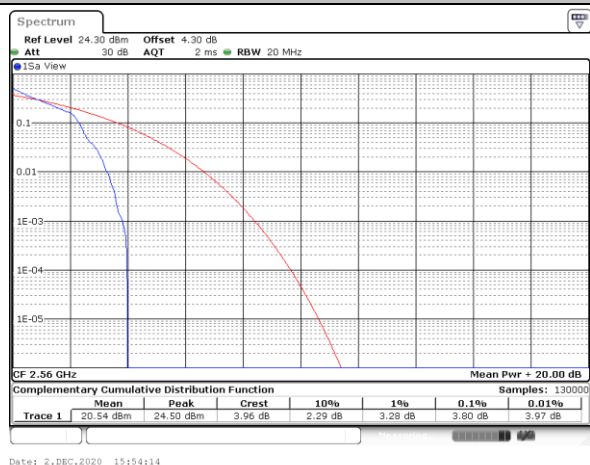
Middle Channel / 1 RB

Middle Channel / 1 RB



Highest Channel / 1 RB

Highest Channel / 1 RB





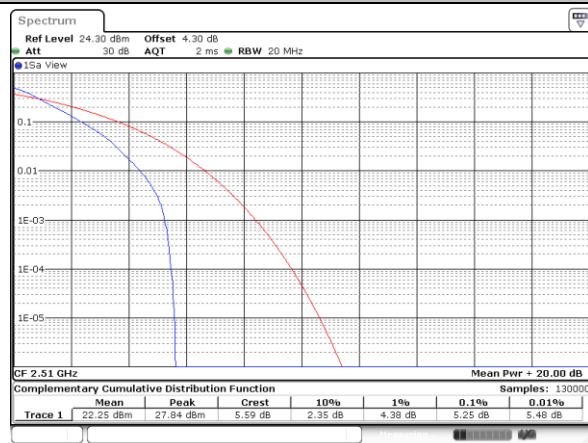
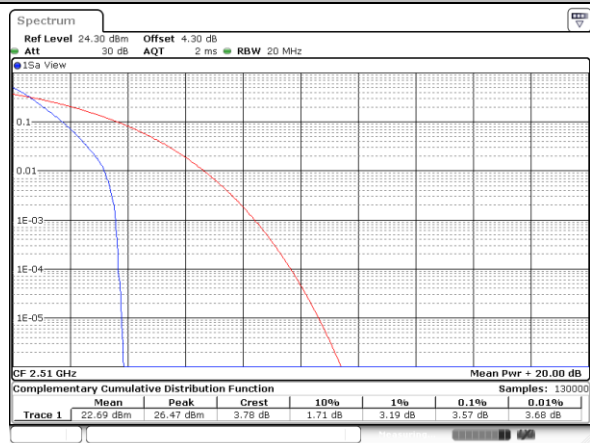
FR1 n7 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

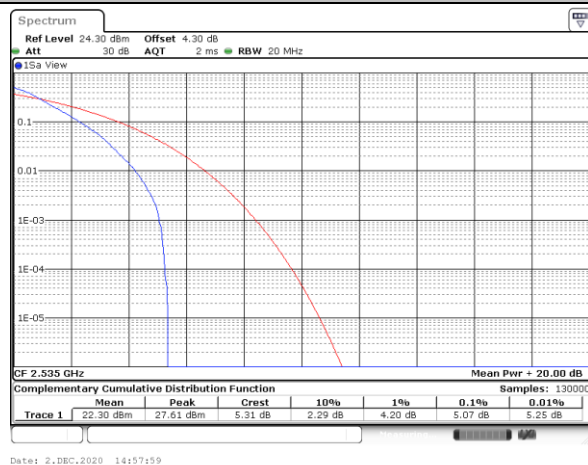
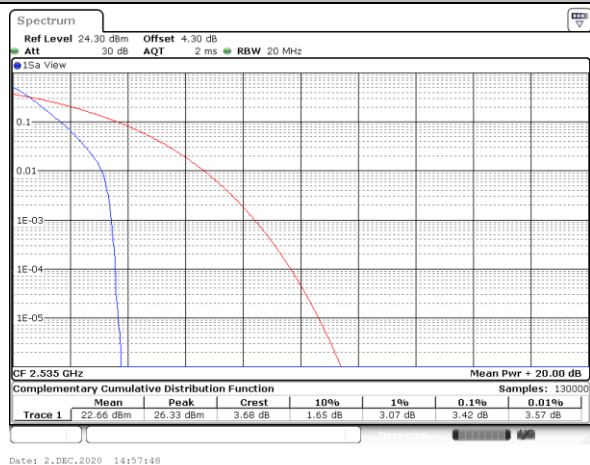
Lowest Channel / Full RB

Lowest Channel / Full RB



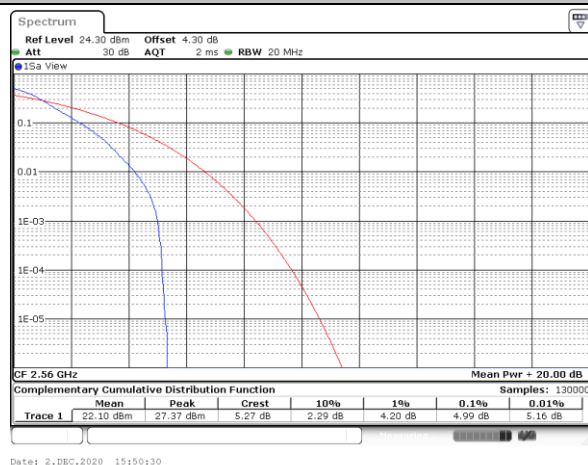
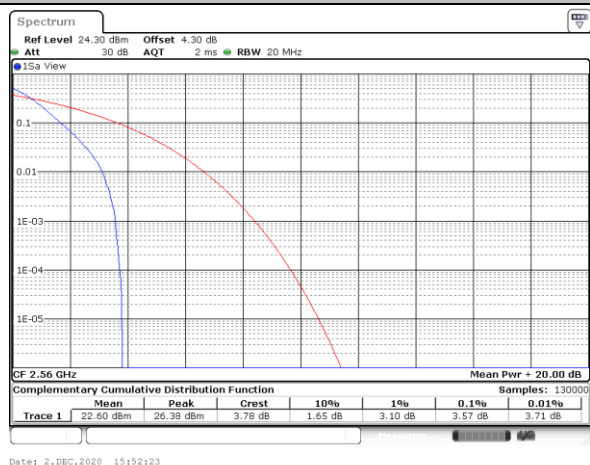
Middle Channel / Full RB

Middle Channel / Full RB



Highest Channel / Full RB

Highest Channel / Full RB



**26dB Bandwidth**

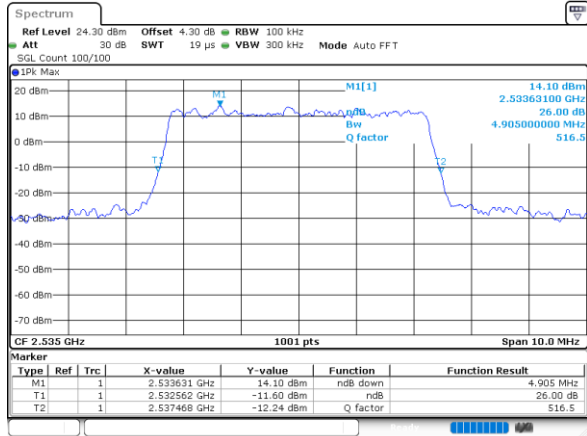
Mode	FR1 n7 : 26dB BW(MHz) / CP-OFDM							
BW	5MHz	5MHz	5MHz	5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	4.90	5.05	4.97	4.9				
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.79	9.91	9.73	9.73				
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.95	14.89	14.98	14.92				
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	19.78	19.82	19.86	19.78				



FR1 n7 / 5MHz / CP-OFDM

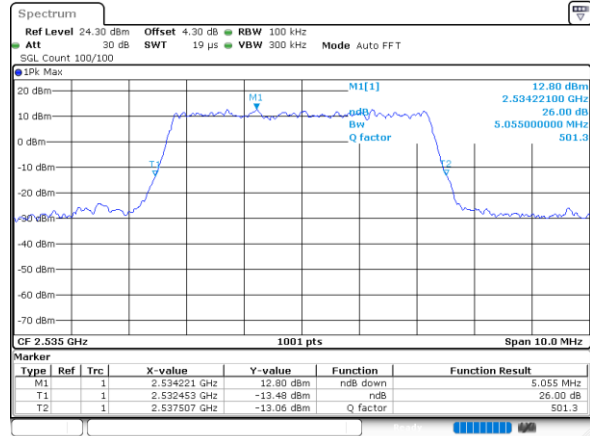
QPSK

Middle Channel



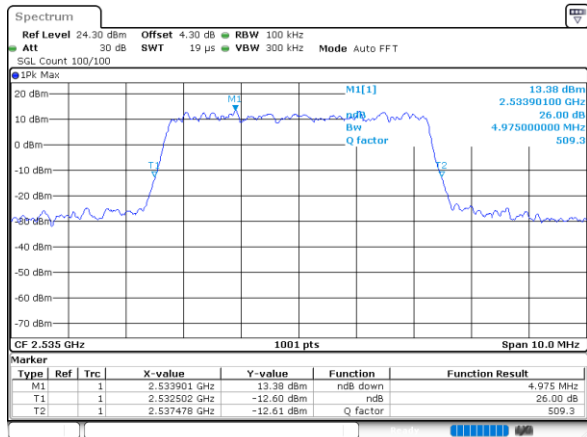
16QAM

Middle Channel



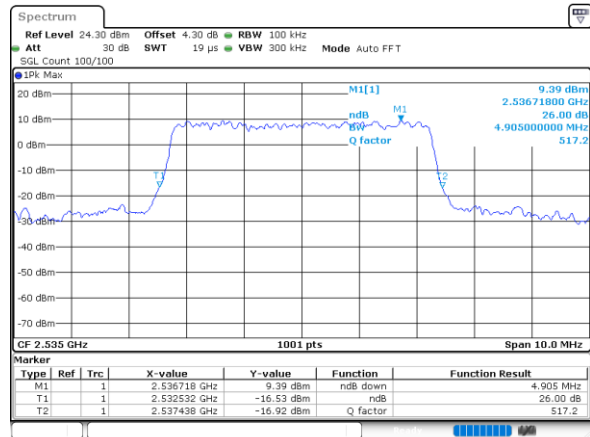
64QAM

Middle Channel



256QAM

Middle Channel

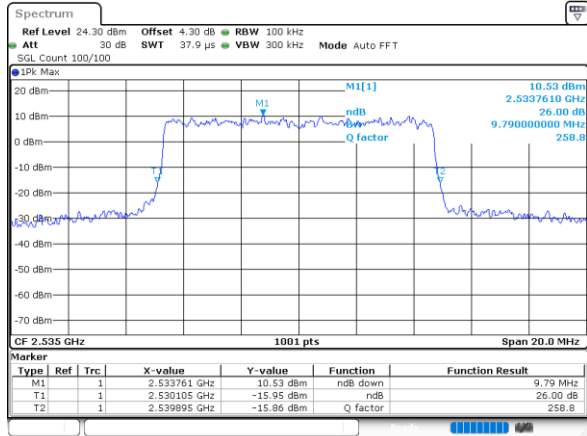




FR1 n7 / 10MHz / CP-OFDM

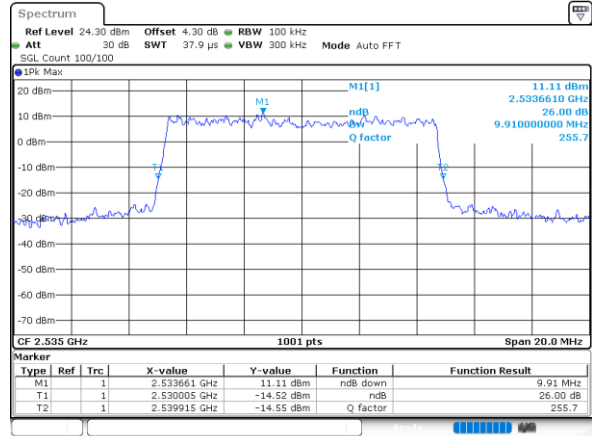
QPSK

Middle Channel



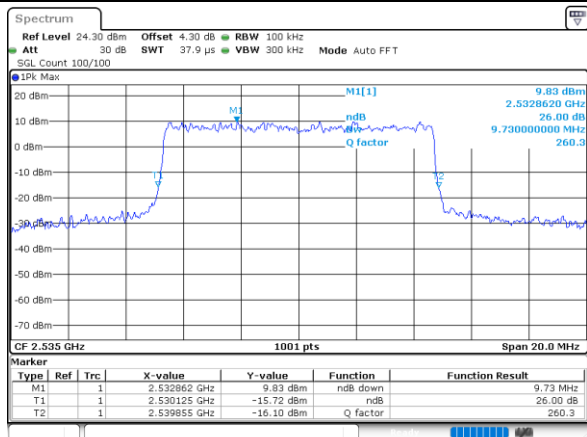
16QAM

Middle Channel



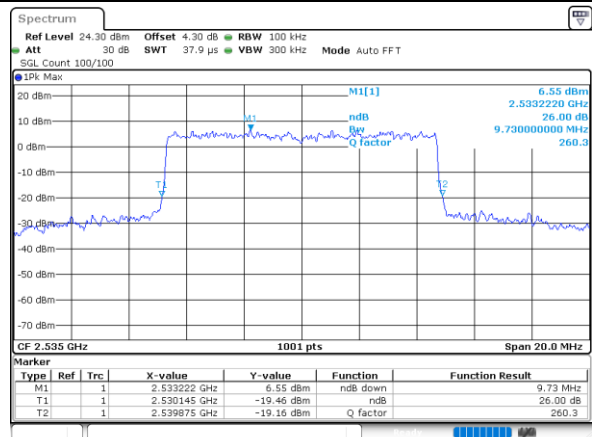
64QAM

Middle Channel



256QAM

Middle Channel

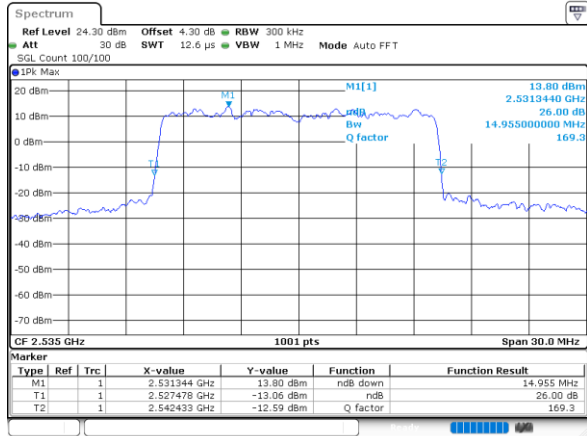




FR1 n7 / 15MHz / CP-OFDM

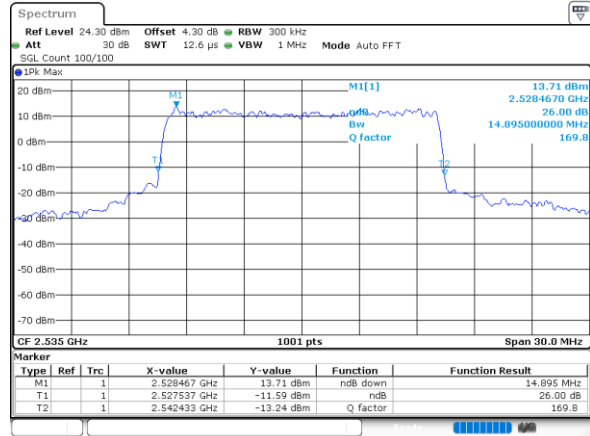
QPSK

Middle Channel



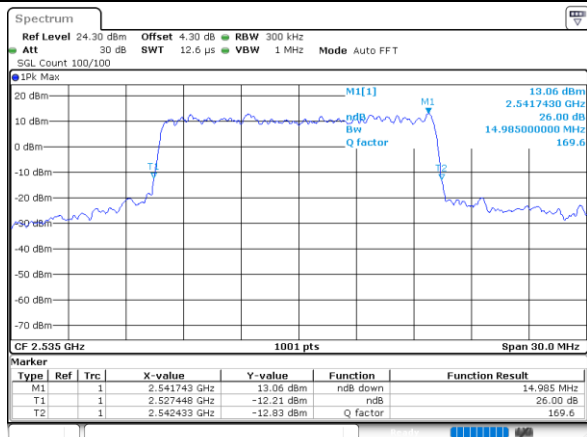
16QAM

Middle Channel



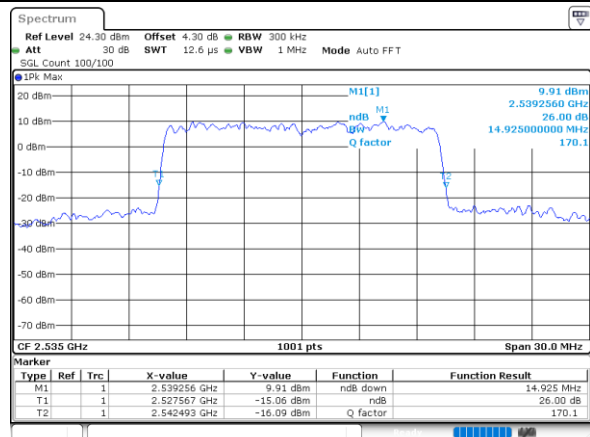
64QAM

Middle Channel



256QAM

Middle Channel

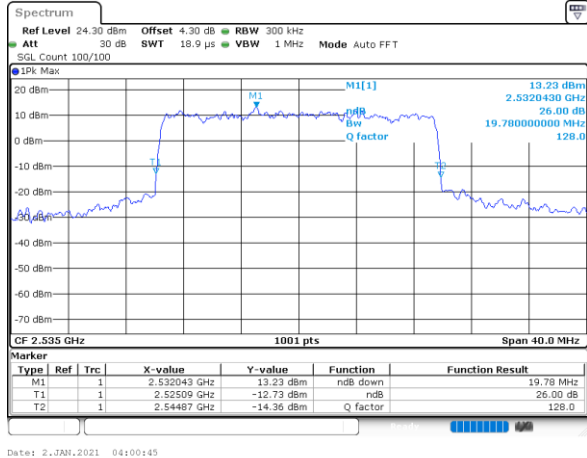




FR1 n7 / 20MHz / CP-OFDM

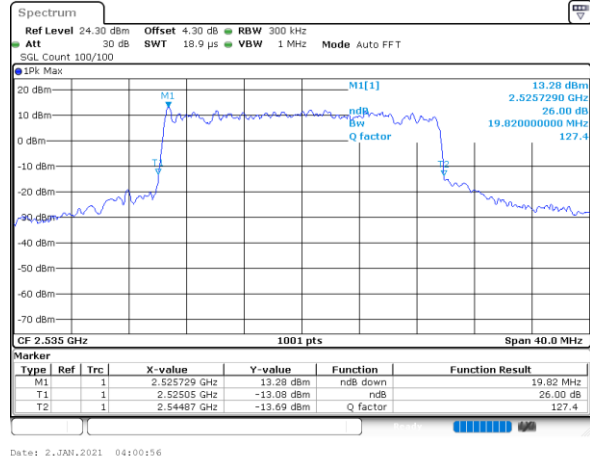
QPSK

Middle Channel



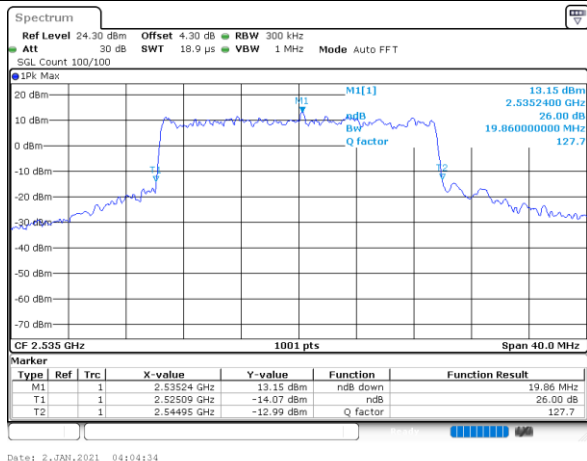
16QAM

Middle Channel



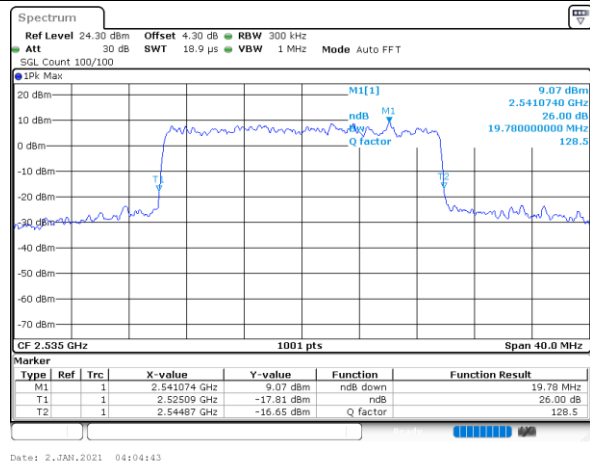
64QAM

Middle Channel



256QAM

Middle Channel



**Occupied Bandwidth**

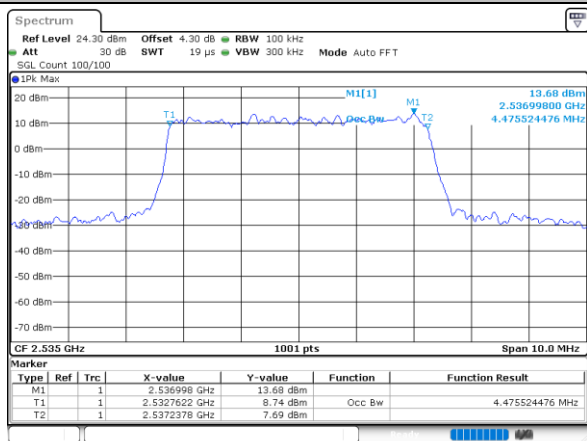
Mode	FR1 n7 : OBW(MHz) / CP-OFDM							
BW	5MHz	5MHz	5MHz	5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	4.47	4.48	4.48	4.5				
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.25	9.27	9.29	9.31				
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.14	14.14	14.17	14.11				
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	18.98	18.9	18.9	18.98				



FR1 n7 / 5MHz / CP-OFDM

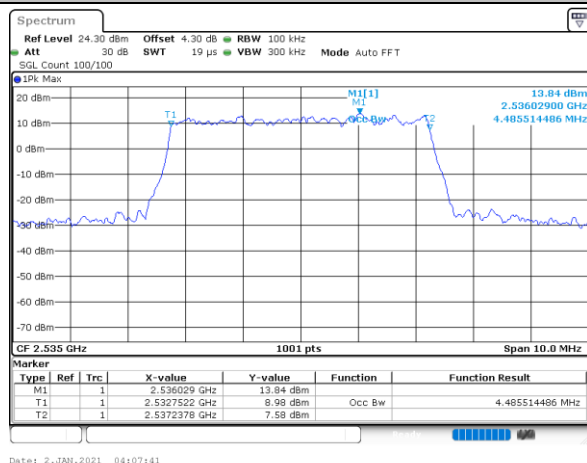
QPSK

Middle Channel



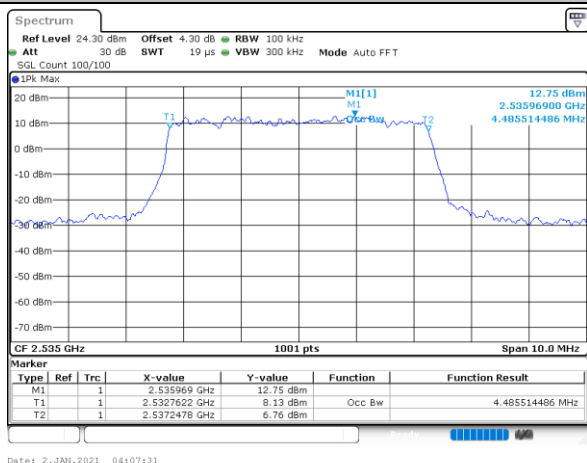
16QAM

Middle Channel



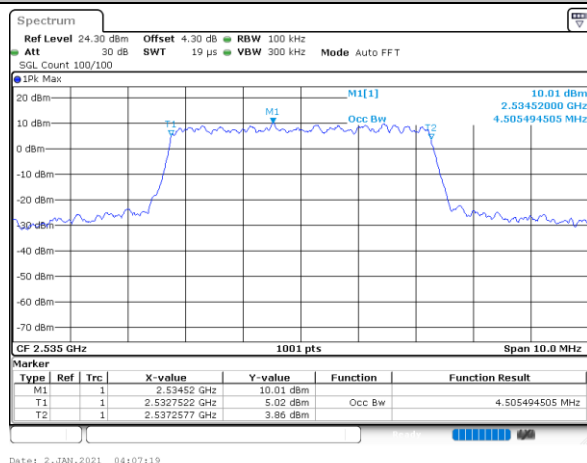
64QAM

Middle Channel



256QAM

Middle Channel

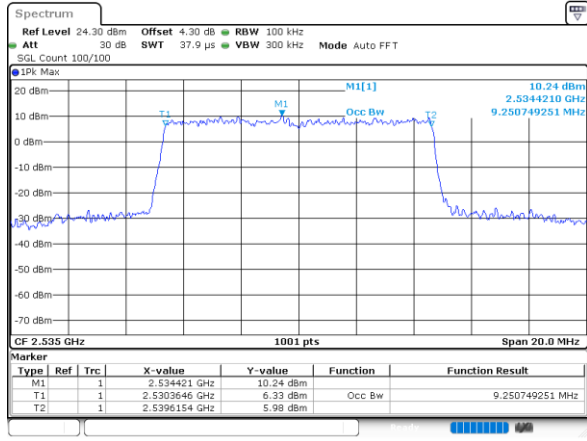




FR1 n7 / 10MHz / CP-OFDM

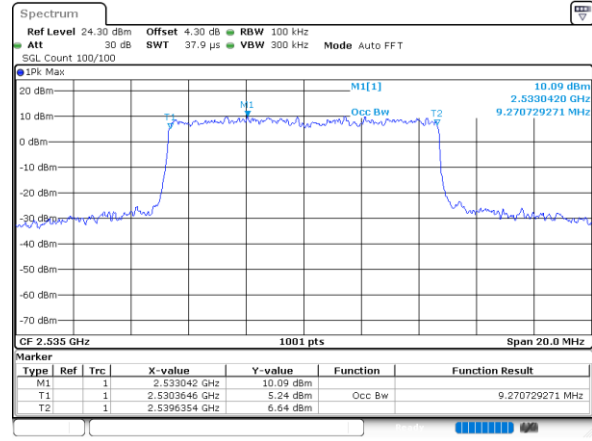
QPSK

Middle Channel



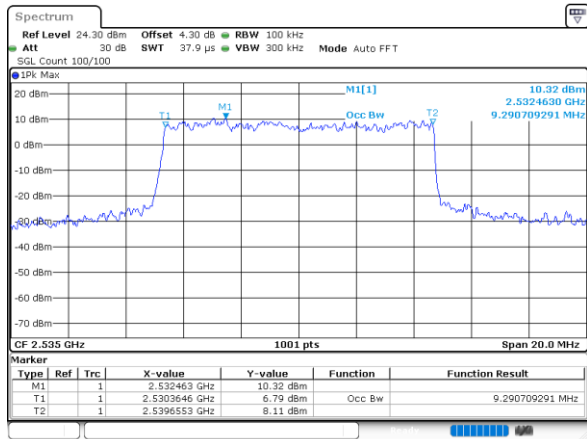
16QAM

Middle Channel



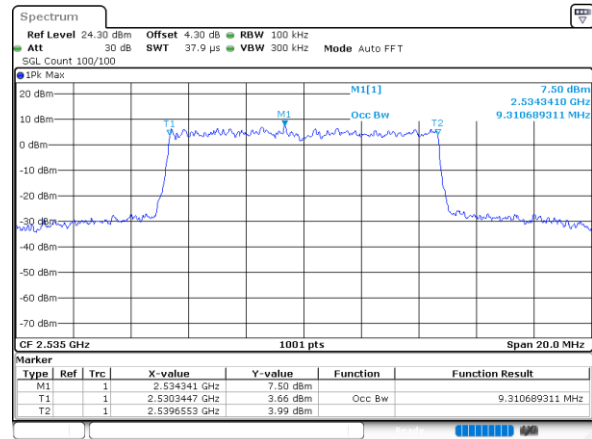
64QAM

Middle Channel



256QAM

Middle Channel

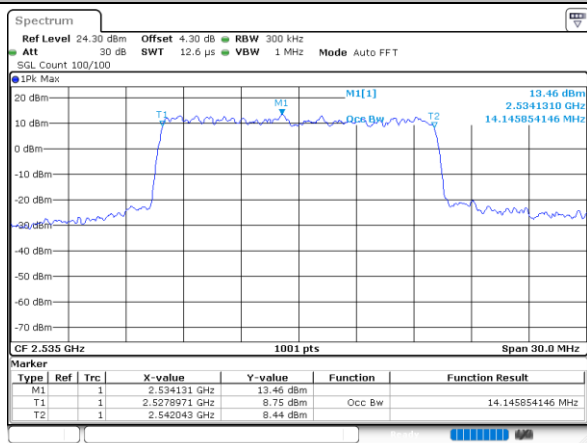




FR1 n7 / 15MHz / CP-OFDM

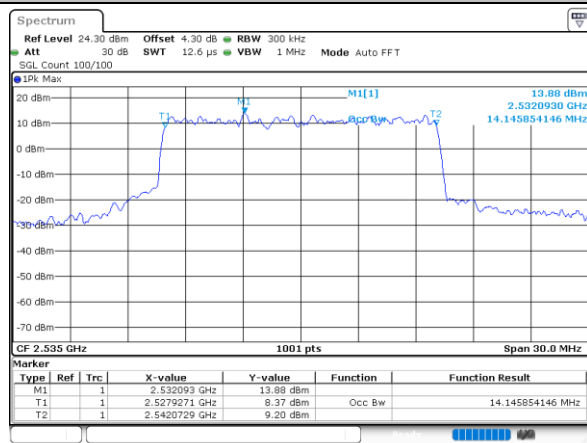
QPSK

Middle Channel



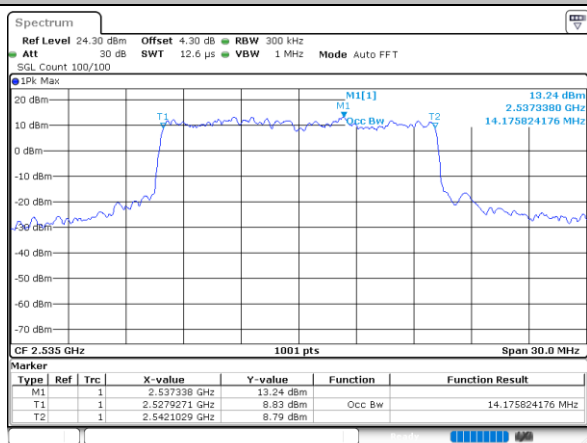
16QAM

Middle Channel



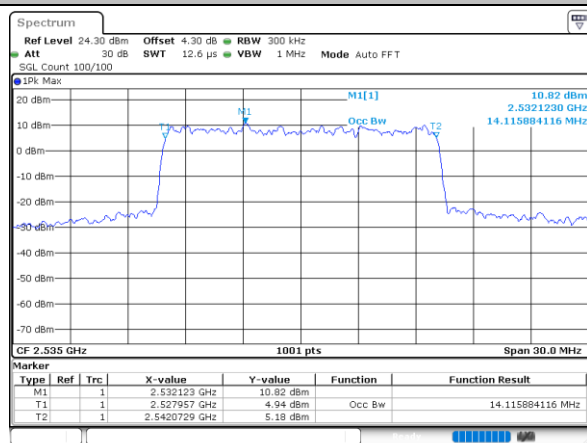
64QAM

Middle Channel



256QAM

Middle Channel

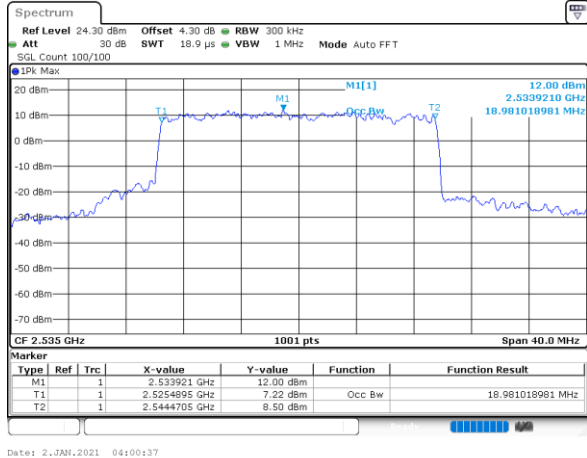




FR1 n7 / 20MHz / CP-OFDM

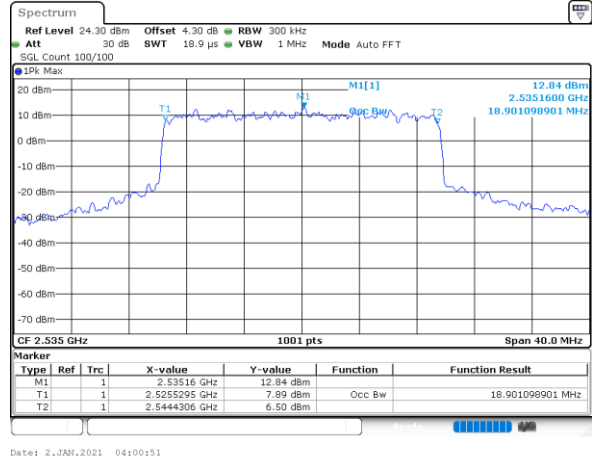
QPSK

Middle Channel



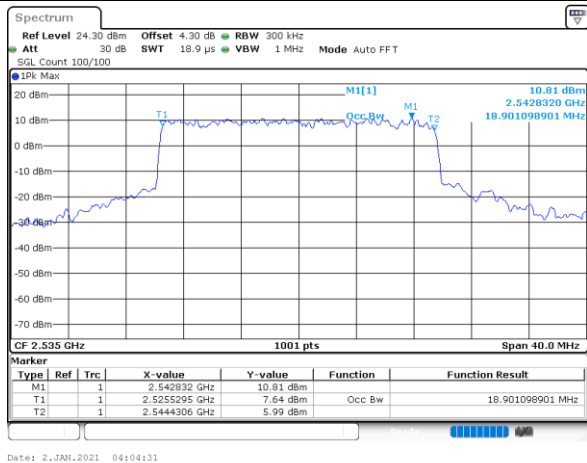
16QAM

Middle Channel



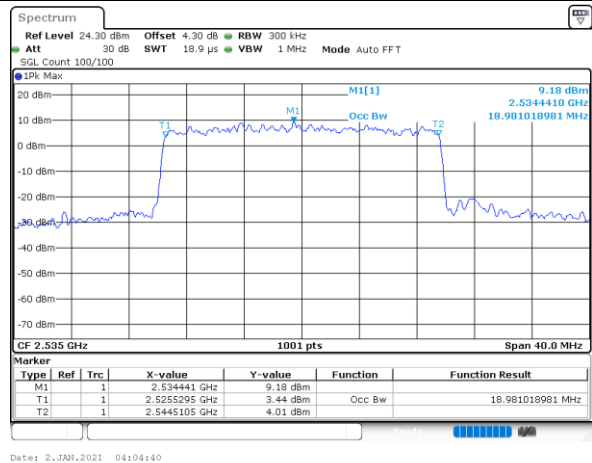
64QAM

Middle Channel



256QAM

Middle Channel



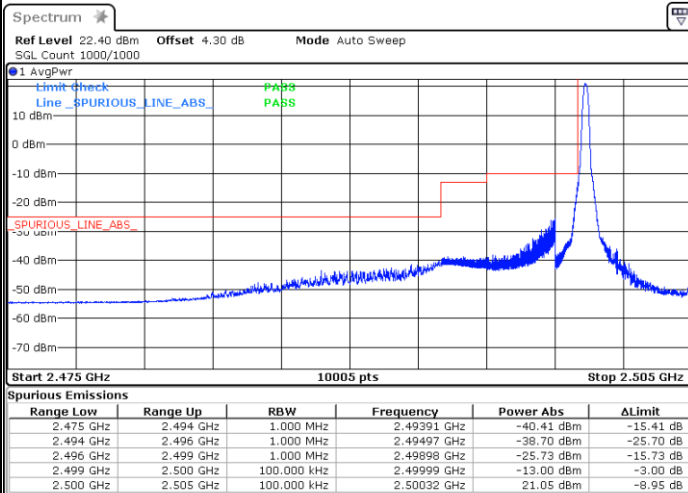


Conducted Band Edge

FR1 n7 / 5MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

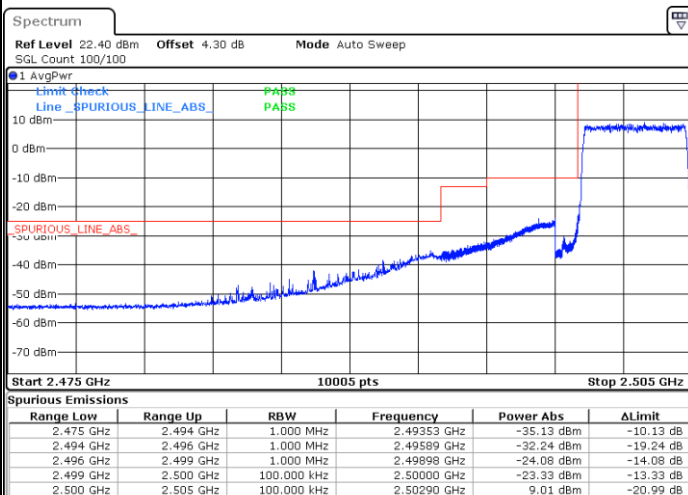
Channel Power < -10dBm Pass



Date: 2.DEC.2020 17:18:01

Lowest Band Edge / Full RB

Channel Power < -10dBm Pass



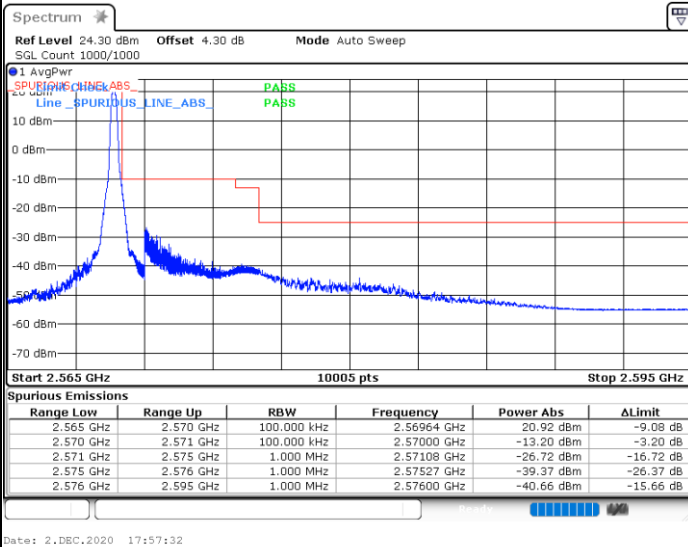
Date: 2.DEC.2020 17:11:08



FR1 n7 / 5MHz / DFT-S OFDM BPSK

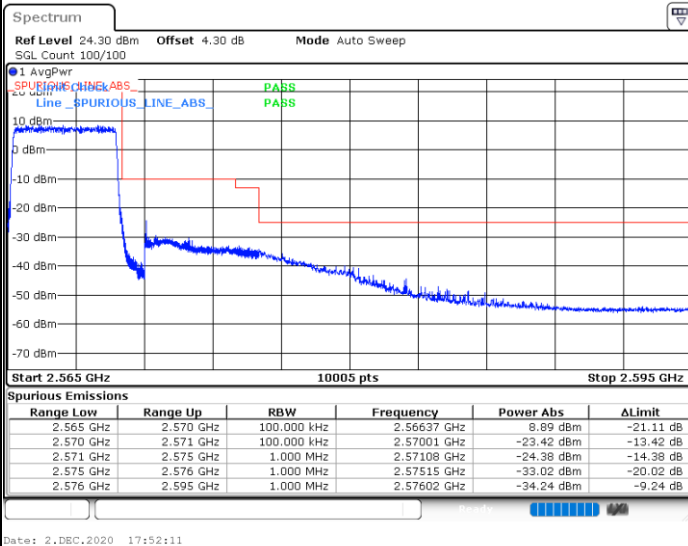
Highest Band Edge / 1 RB

Channel Power < -10dBm Pass



Highest Band Edge / Full RB

Channel Power < -10dBm Pass

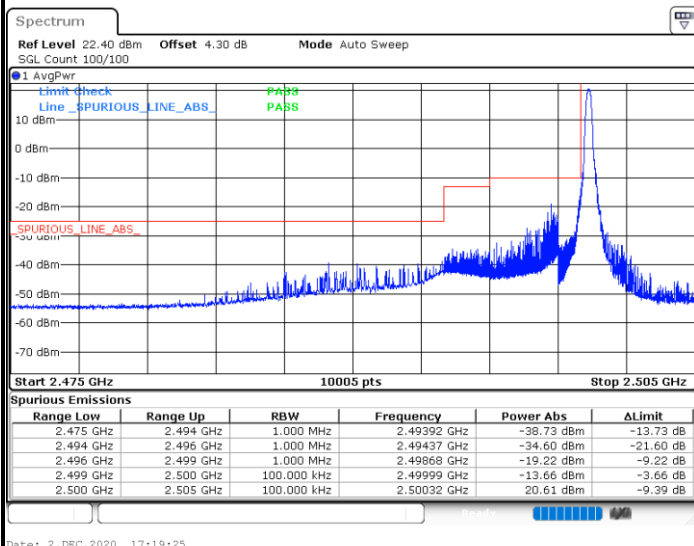




FR1 n7 / 5MHz / DFT-S OFDM QPSK

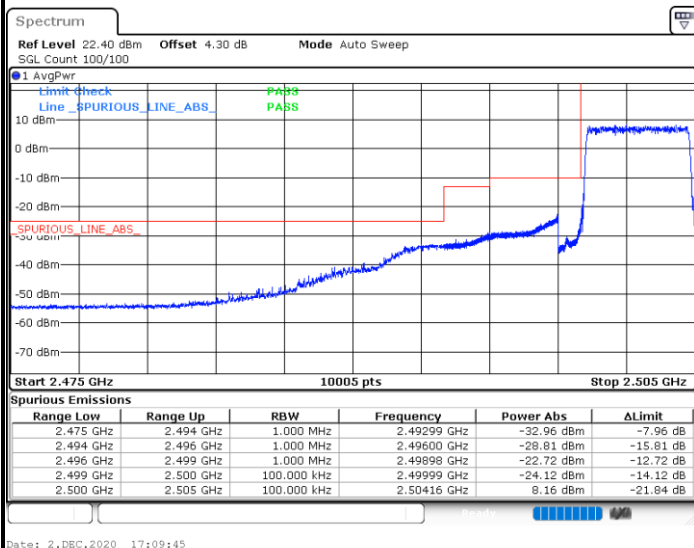
Lowest Band Edge / 1 RB

Channel Power < -10dBm Pass



Lowest Band Edge / Full RB

Channel Power < -10dBm Pass

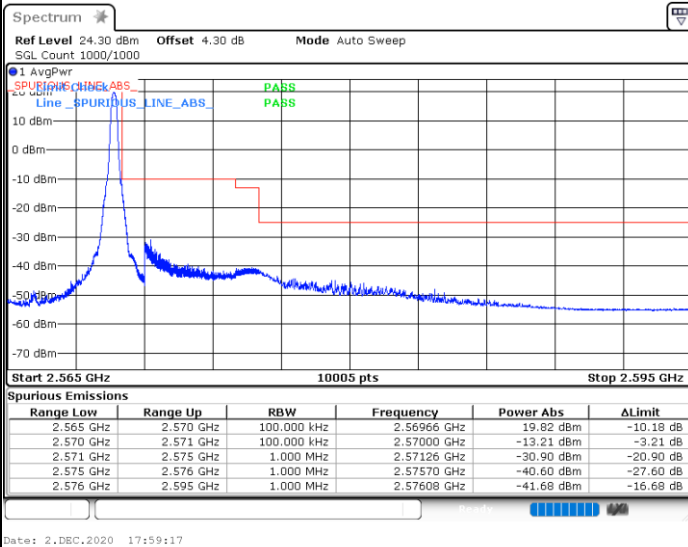




FR1 n7 / 5MHz / DFT-S OFDM QPSK

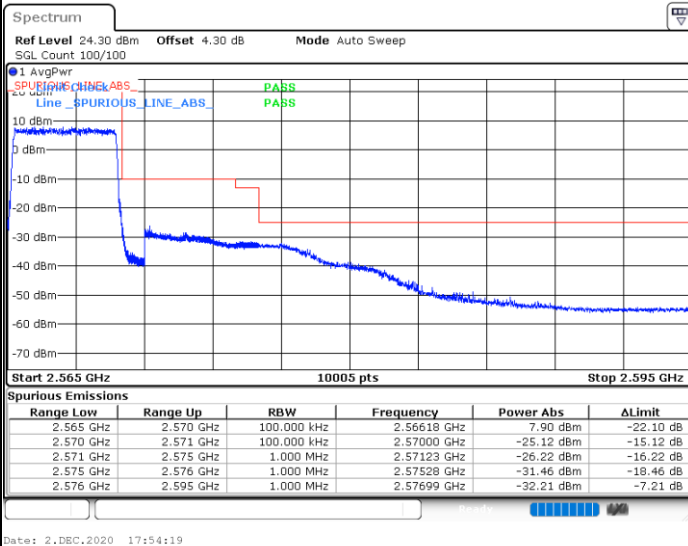
Highest Band Edge / 1 RB

Channel Power < -10dBm Pass



Highest Band Edge / Full RB

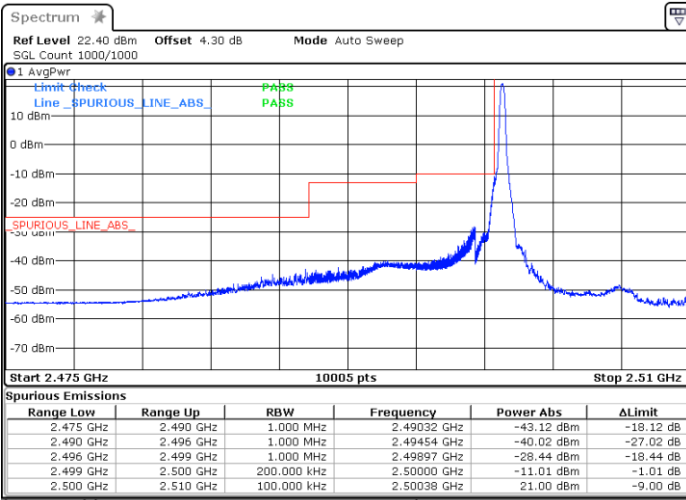
Channel Power < -10dBm Pass



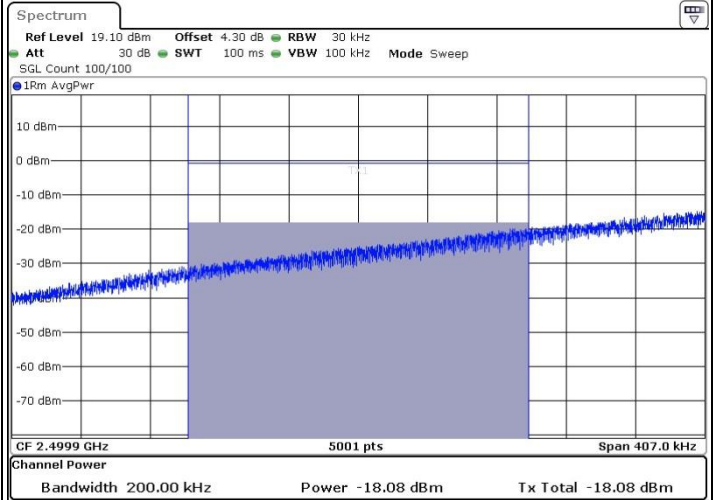


FR1 n7 / 10MHz / DFT-S OFDM BPSK

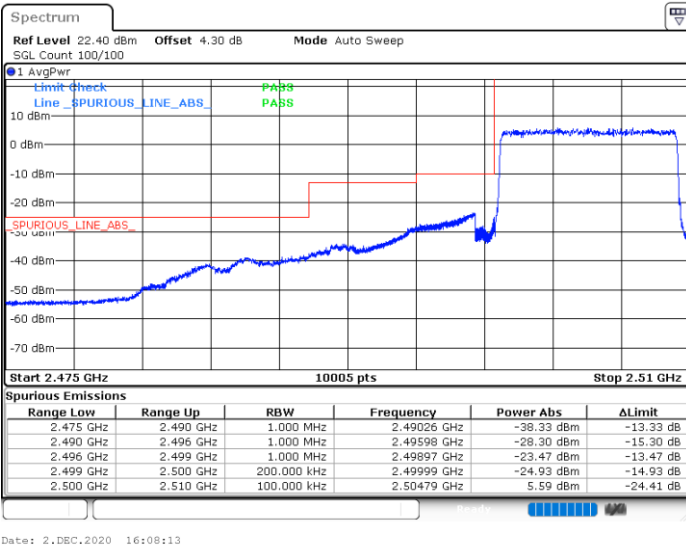
Lowest Band Edge / 1 RB



Channel Power < -10dBm Pass



Lowest Band Edge / Full RB



Channel Power < -10dBm Pass

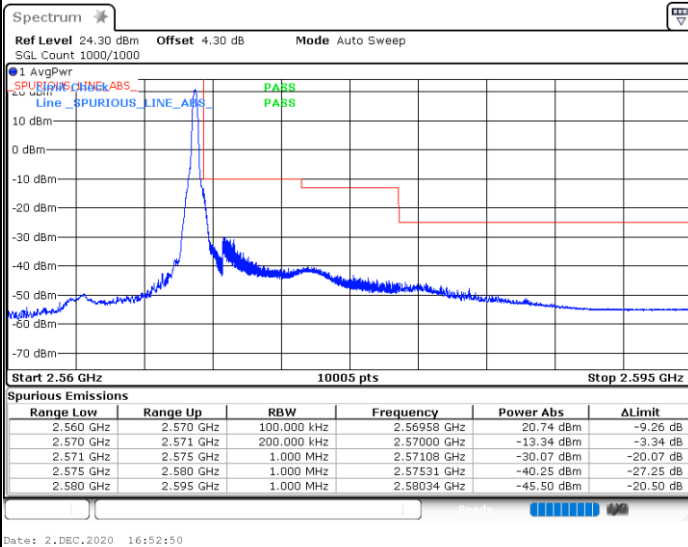
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FR1 n7 / 10MHz / DFT-S OFDM BPSK

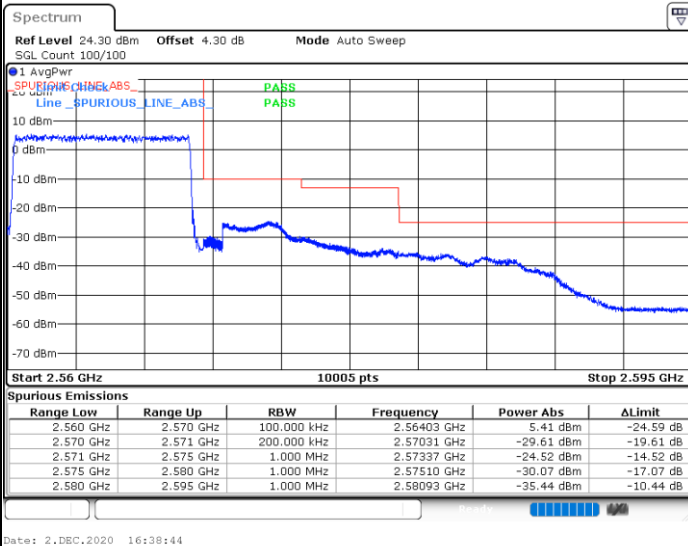
Highest Band Edge / 1 RB

Channel Power < -10dBm Pass



Highest Band Edge / Full RB

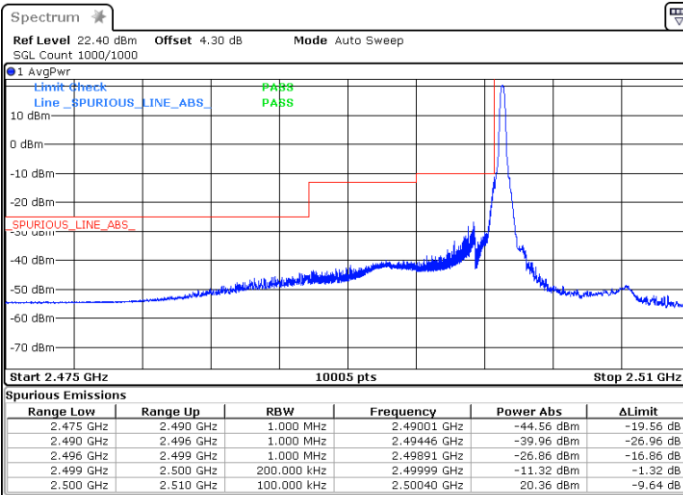
Channel Power < -10dBm Pass



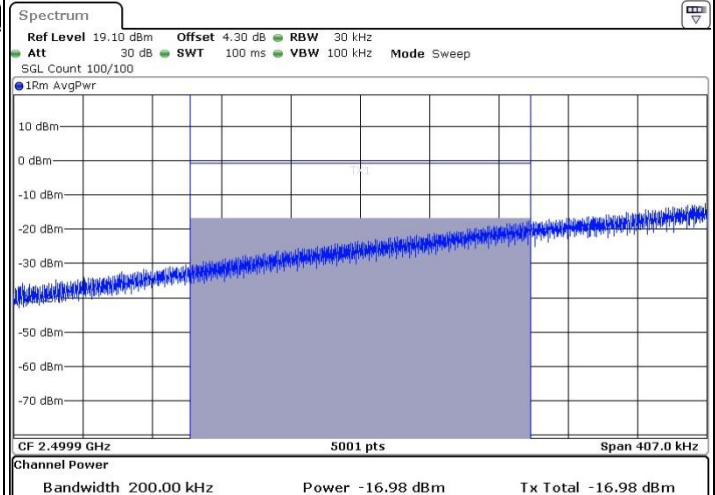


FR1 n7 / 10MHz / DFT-S OFDM QPSK

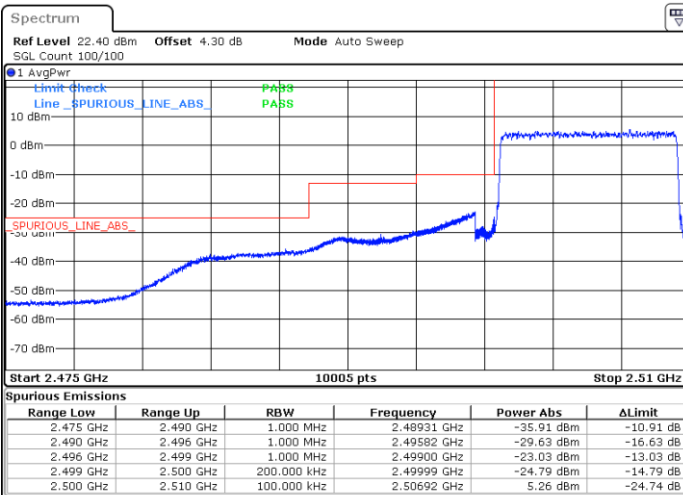
Lowest Band Edge / 1 RB



Channel Power < -10dBm Pass



Lowest Band Edge / Full RB



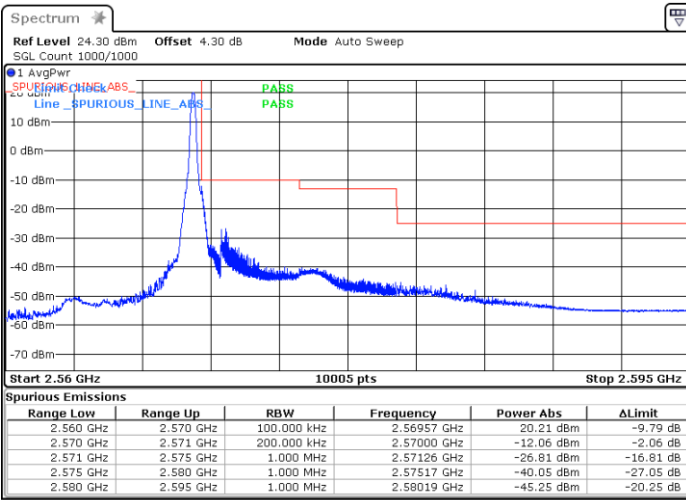
Channel Power < -10dBm Pass

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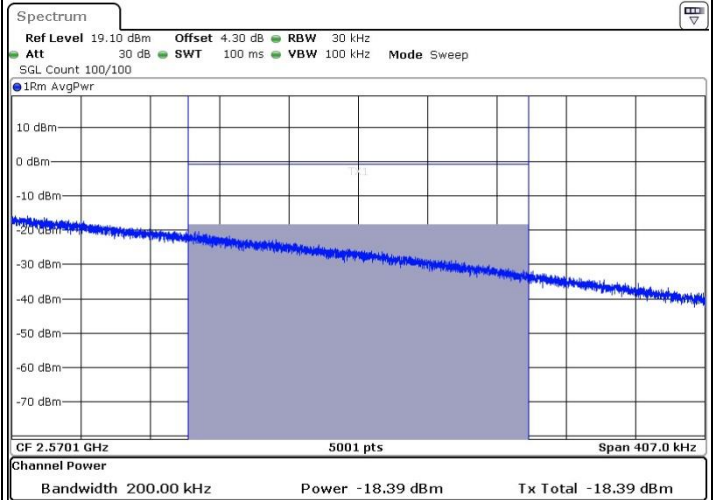


FR1 n7 / 10MHz / DFT-S OFDM QPSK

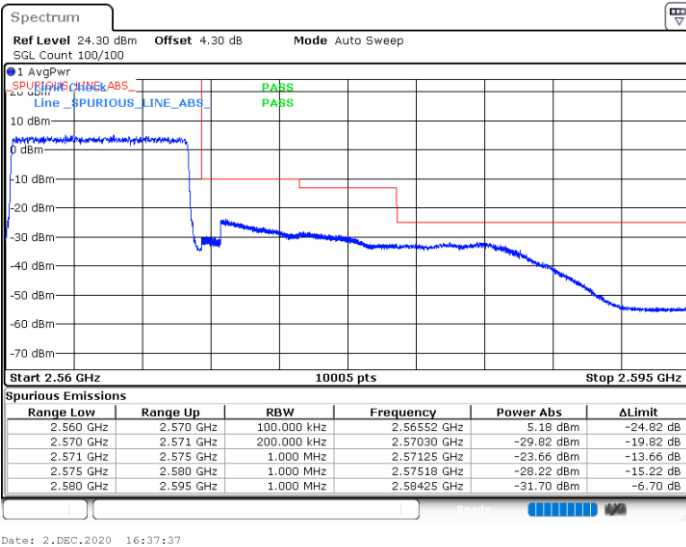
Highest Band Edge / 1 RB



Channel Power < -10dBm Pass



Highest Band Edge / Full RB



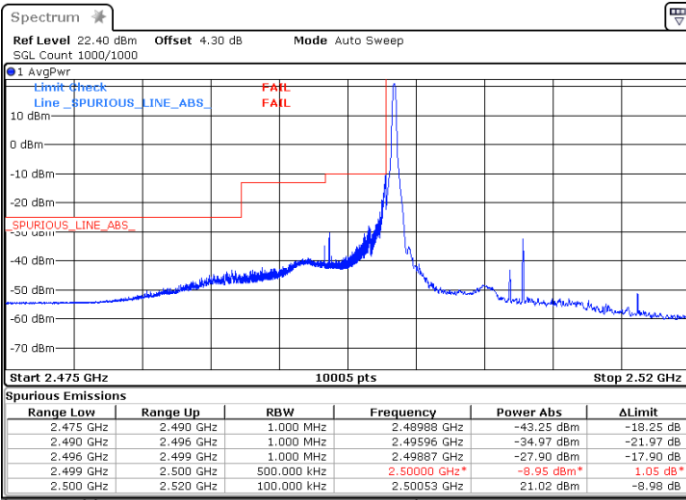
Channel Power < -10dBm Pass

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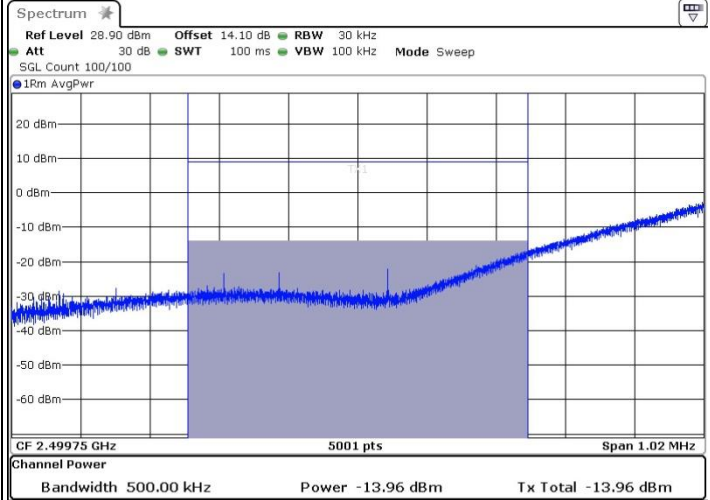


FR1 n7 / 20MHz / DFT-S OFDM BPSK

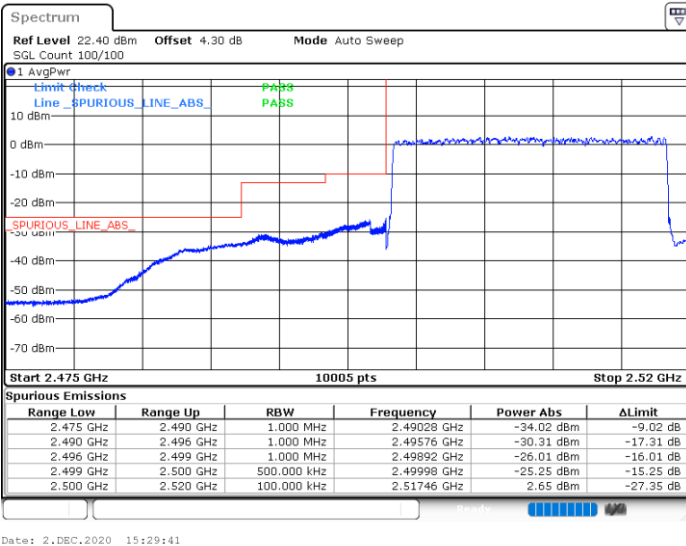
Lowest Band Edge / 1 RB



Channel Power < -10dBm Pass



Lowest Band Edge / Full RB



Channel Power < -10dBm Pass

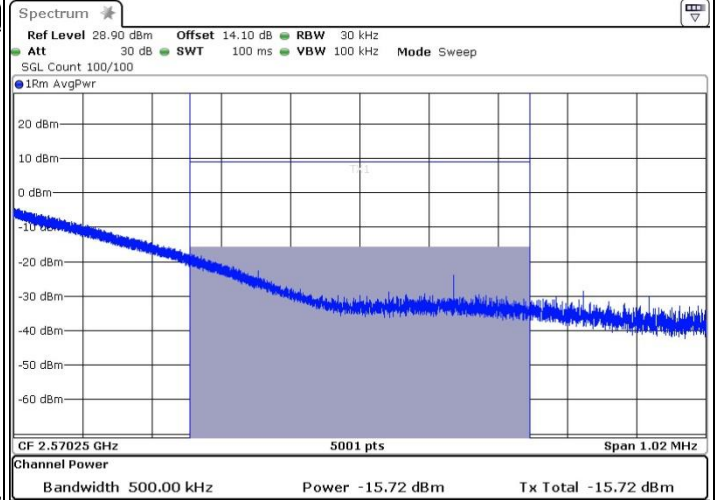
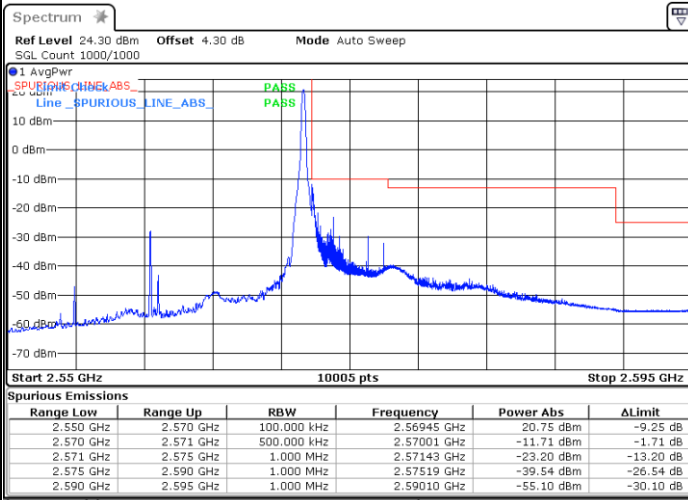
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FR1 n7 / 20MHz / DFT-S OFDM BPSK

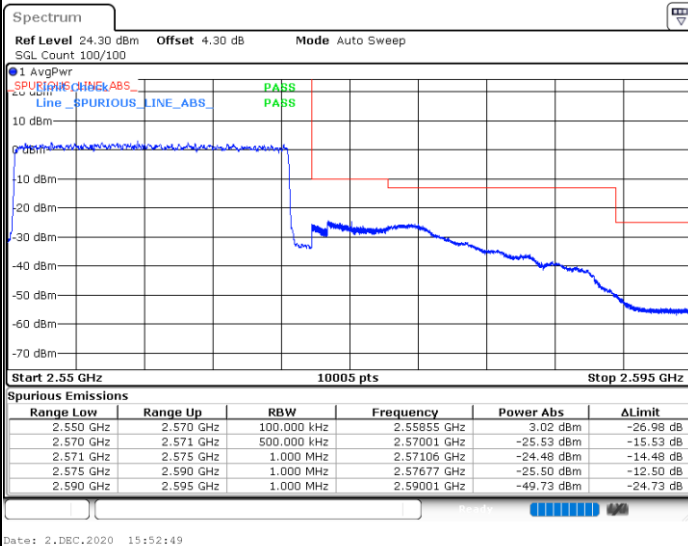
Highest Band Edge / 1 RB

Channel Power < -10dBm Pass



Highest Band Edge / Full RB

Channel Power < -10dBm Pass

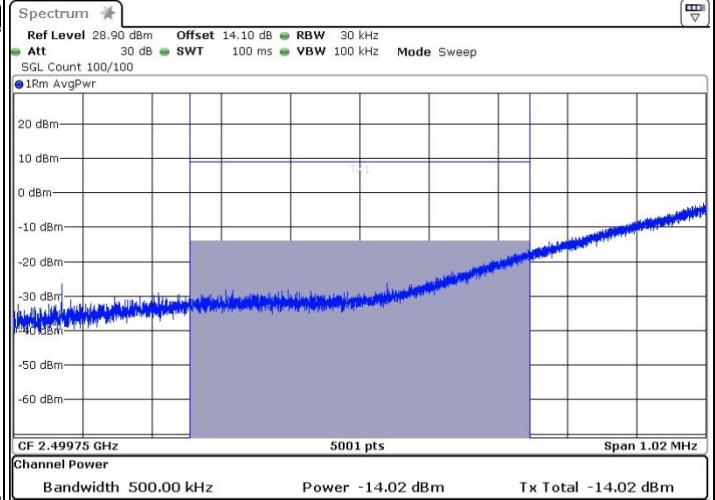
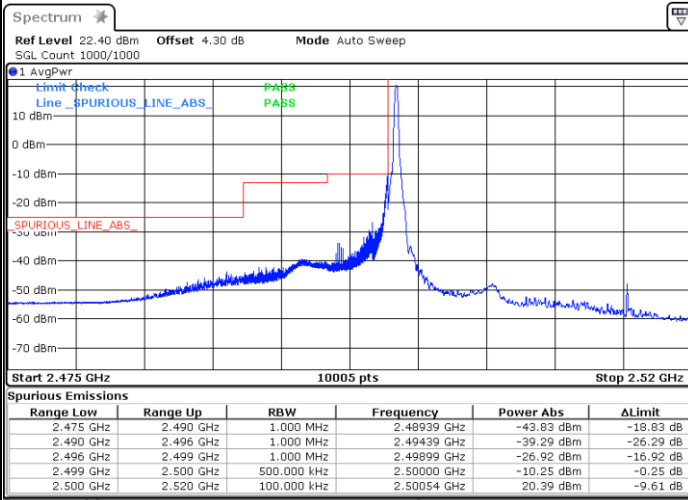




FR1 n7 / 20MHz / DFT-S OFDM QPSK

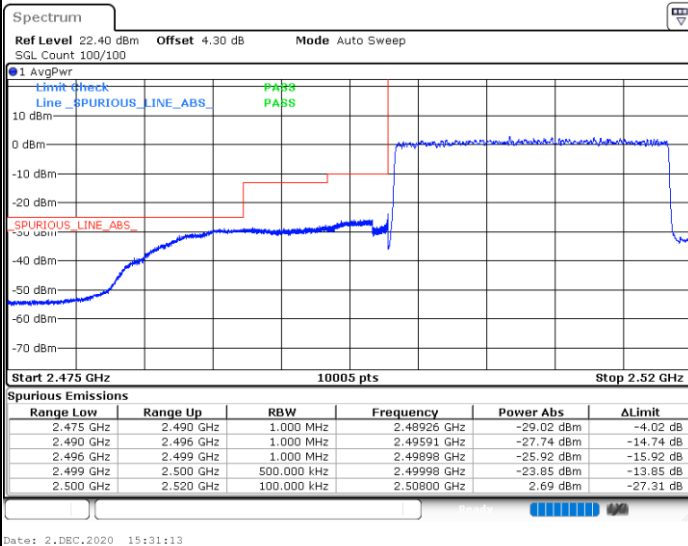
Lowest Band Edge / 1 RB

Channel Power < -10dBm Pass



Lowest Band Edge / Full RB

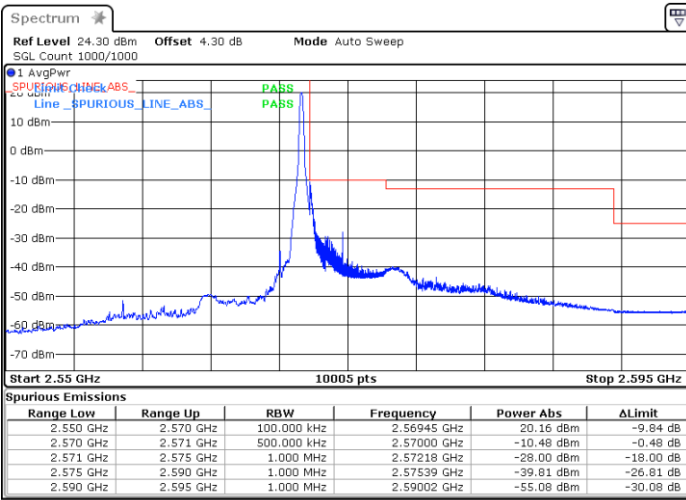
Channel Power < -10dBm Pass



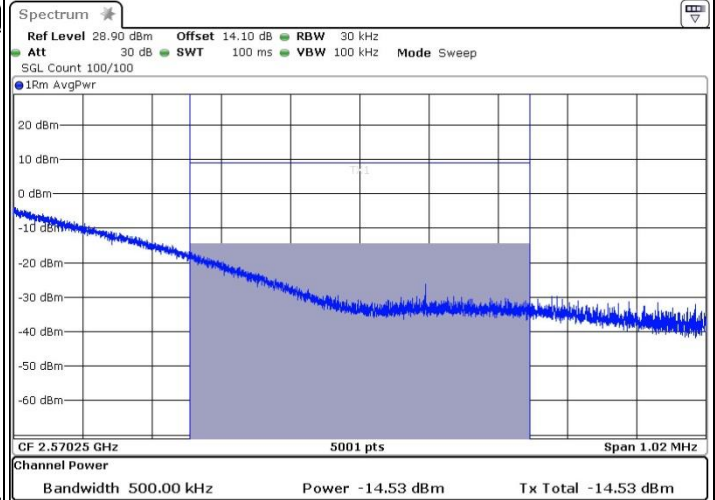


FR1 n7 / 20MHz / DFT-S OFDM QPSK

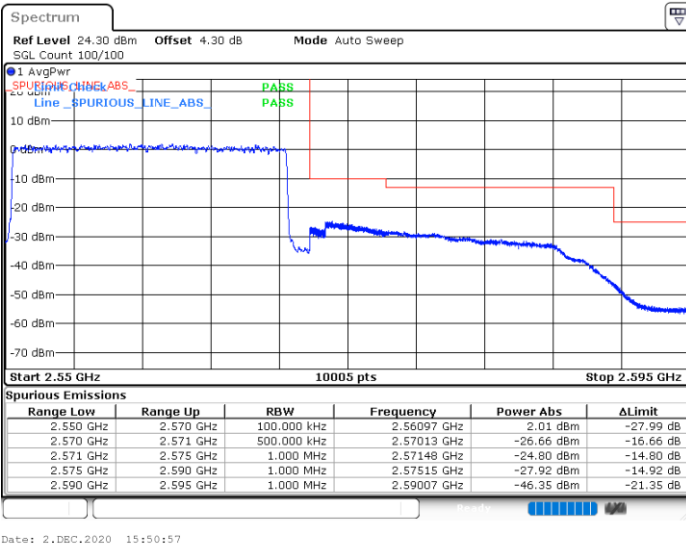
Highest Band Edge / 1 RB



Channel Power < -10dBm Pass



Highest Band Edge / Full RB



Channel Power < -10dBm Pass

/

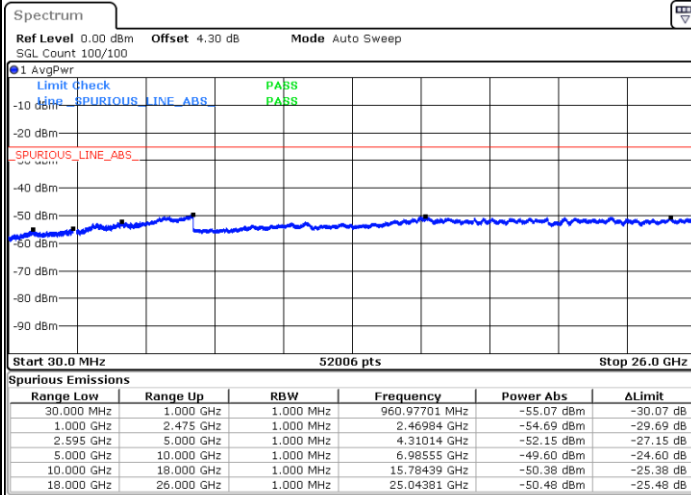


Conducted Spurious Emission

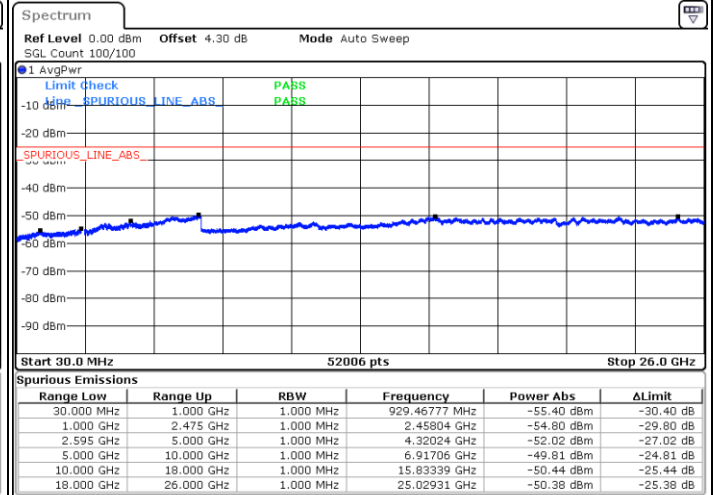
FR1 n7 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

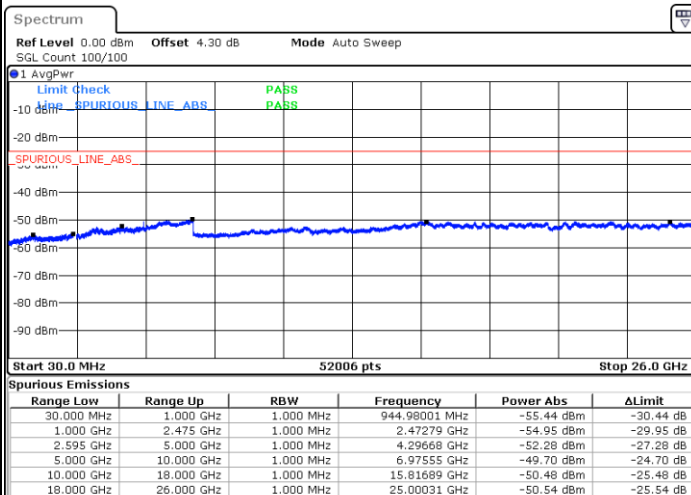


Date: 5.FEB.2021 17:40:00



Date: 5.FEB.2021 17:41:50

Highest Channel / 1RB

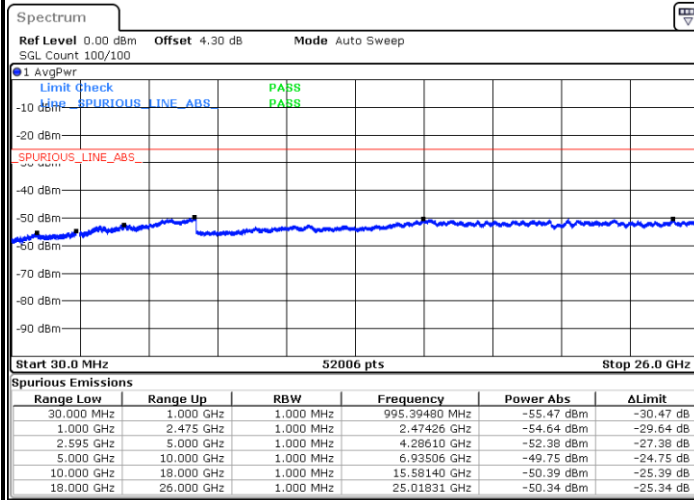


Date: 5.FEB.2021 17:45:18



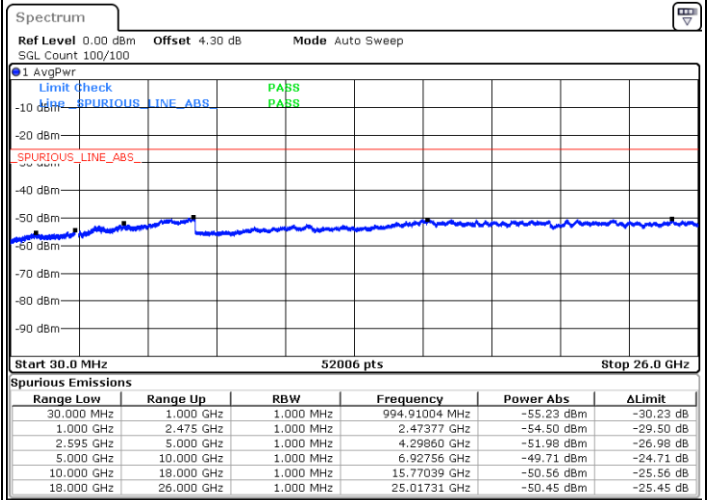
FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



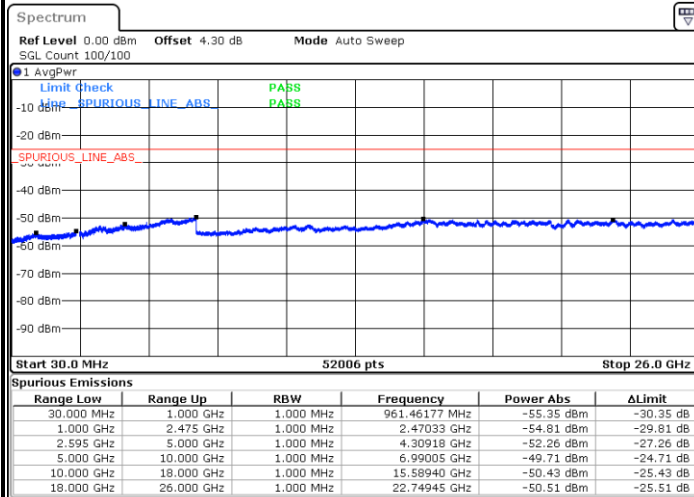
Date: 5.FEB.2021 17:39:02

Middle Channel / 1RB



Date: 5.FEB.2021 17:42:52

Highest Channel / 1RB

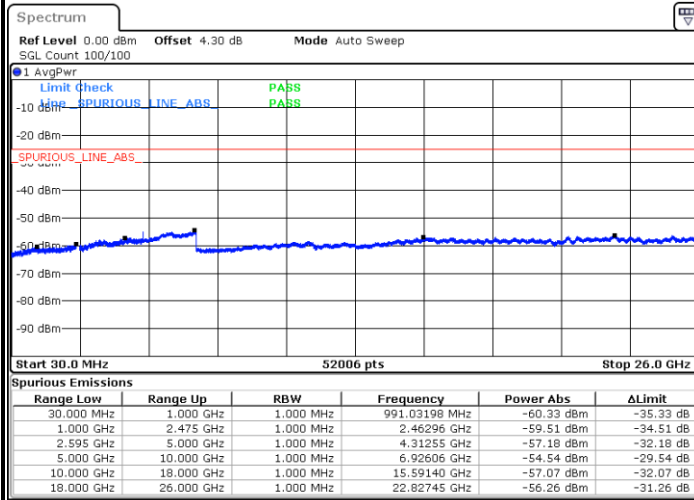


Date: 5.FEB.2021 17:44:23



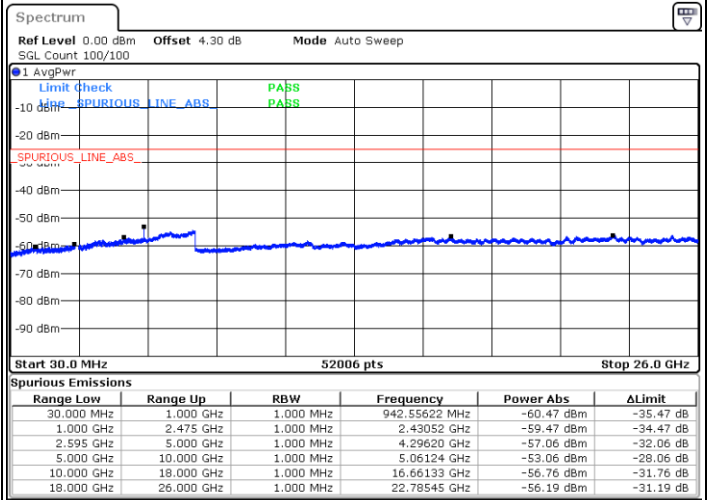
FR1 n7 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



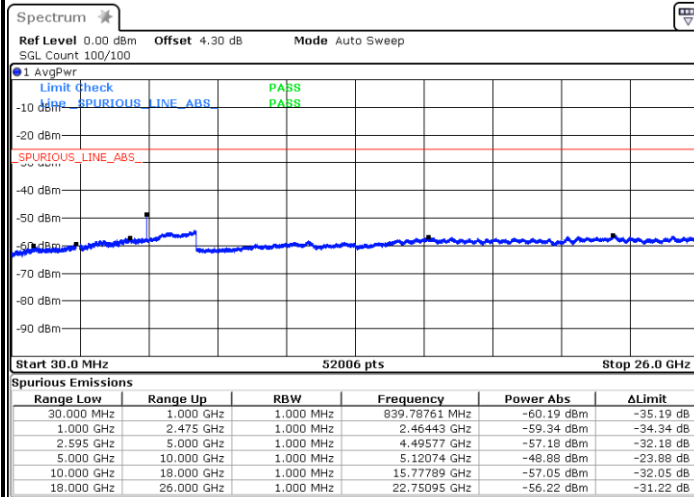
Date: 5.FEB.2021 17:01:10

Middle Channel / 1RB



Date: 5.FEB.2021 16:48:19

Highest Channel / 1RB

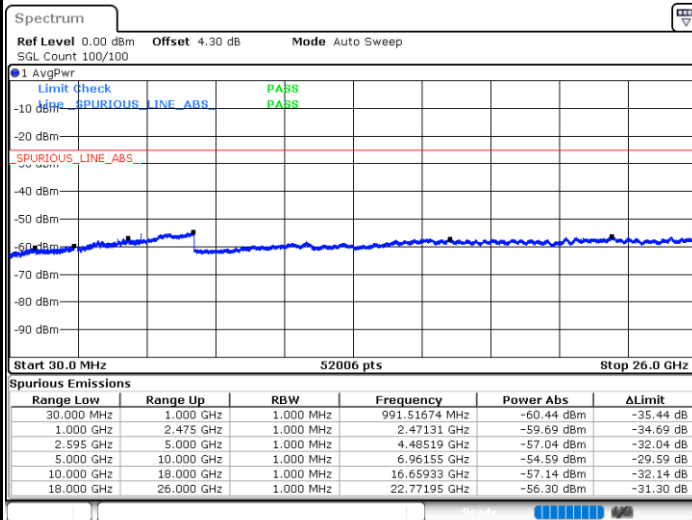


Date: 5.FEB.2021 16:46:29

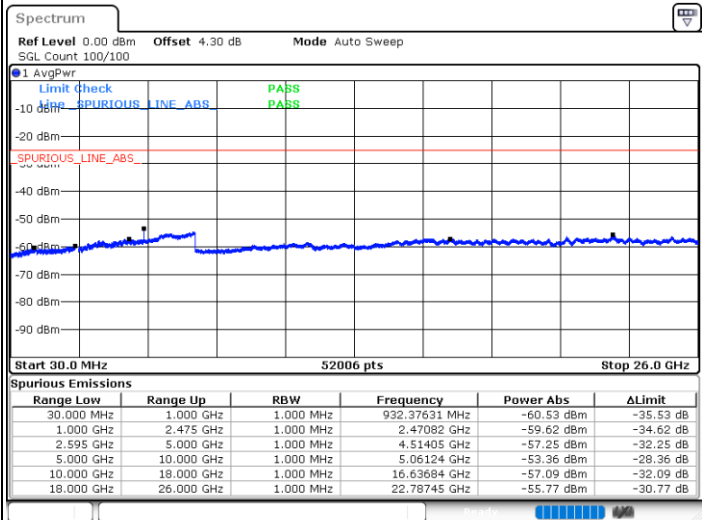


FR1 n7 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



Middle Channel / 1RB



Highest Channel / 1RB

