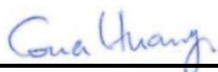


FCC SAR TEST REPORT

FCC ID : A4RGU0NP
Equipment : Phone
Model Name : GU0NP, GM66V
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA, 94043 USA
Standard : FCC 47 CFR Part 2 (2.1093)

The product was received on Jan. 03, 2025 and testing was started from Mar. 13, 2025 and completed on May 08, 2025. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been pass the FCC requirement.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



Sporton International Inc. EMC & Wireless Communications Laboratory

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History of this test report

Report No.	Version	Description	Issued Date
FA4N0920C	01	Initial issue of report	May 23, 2025
FA4N0920C	02	1. Update section 2.2, 3.1, 15.1 2. Update appendix D-3	Jul. 25, 2025

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for Google LLC, Phone, GU0NP, GM66V, are as follows.

Equipment Class	Frequency Band	Highest SAR Summary				Highest Simultaneous Transmission 1g SAR (W/kg)	Highest Simultaneous Transmission 10g SAR (W/kg)
		Head (Separation 0mm)	Body-worn (Separation 10mm)	Hotspot (Separation 10mm)	Product Specific (Separation 0mm)		
		1g SAR (W/kg)			10g SAR (W/kg)		
Licensed	GSM850	0.83	0.66	0.66		1.59	1.49
	GSM1900	0.90	0.78	0.80	0.12		
	WCDMA II	0.95	0.97	0.84	0.20		
	WCDMA IV	0.97	0.79	0.75			
	WCDMA V	0.67	0.55	0.55			
	LTE Band 7	0.95	0.93	0.82	0.24		
	LTE Band 12/17	0.82	0.41	0.52			
	LTE Band 13	0.84	0.69	0.66			
	LTE Band 14	0.82	0.65	0.65			
	LTE Band 2/25	0.96	0.92	0.81	0.19		
	LTE Band 5/26	0.84	0.49	0.49			
	LTE Band 30	0.83	0.90	0.82	0.12		
	LTE Band 38/41	0.79	0.92	0.84	0.17		
	LTE Band 48	0.85	0.78	0.84			
	LTE Band 4/66	0.96	0.78	0.74			
	LTE Band 71	0.84	0.54	0.54			
	FR1 n7	0.92	0.92	0.83	0.24		
	FR1 n12	0.67	0.43	0.47			
	FR1 n14	0.84	0.71	0.66			
	FR1 n2/n25	0.96	0.94	0.85	0.19		
	FR1 n5/n26	0.80	0.56	0.56			
	FR1 n30	0.83	0.84	0.82	0.15		
	FR1 n38	0.75	0.91	0.83	0.20		
	FR1 n41	0.87	0.93	0.83	0.19		
	FR1 n48	0.82	0.90	0.84	0.28		
	FR1 n66	0.94	0.78	0.76			
	FR1 n70	0.96	0.78	0.77			
	FR1 n71	0.84	0.54	0.60			
FR1 n77/n78	0.84	0.93	0.83	0.21			
NTN Band 23		0.78		2.48			
NTN Band 255		0.99		2.26			
DTS	2.4GHz WLAN	0.75	0.78	0.34	1.52	1.59	
NII	5GHz WLAN	0.79	0.77	0.37	2.22	1.59	2.22
6CD	6GHz WLAN	0.79	0.53	0.24	0.46		
DSS	Bluetooth	0.34	0.79	0.37		1.59	
DTS	Thread	0.34	1.14	0.36		1.59	
DXX	NFC				0.01		2.22
Equipment Class	Frequency Band	Head Reported APD (mW/cm^2)	Body-worn Reported APD (mW/cm^2)	Hotspot Reported APD (mW/cm^2)	Product Specific Reported APD (mW/cm^2)	Reported PD (mW/cm^2)	
6CD	6GHz WLAN	0.59	0.45	0.18	1.08	0.75	
Date of Testing:		2025/3/12 ~ 2025/5/8					

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg for Partial-Body 1g SAR, 4.0 W/kg for Product Specific 10g SAR) specified in FCC 47 CFR part 2 (2.1093), Human Exposure to RF Radiation Limits (1.0 mW/cm²=10 W/m²) specified in FCC 47 CFR part 1.1310 and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.

Reviewed by: Jason Wang
Report Producer: Carlie Tsai



2. Equipment Under Test (EUT) Information

2.1 General Information

Product Feature & Specification	
Equipment Name	Phone
Model Name	GU0NP, GM66V
FCC ID	A4RGU0NP
S/N	52191FDCG0007Z, 52191FDCG00079, 52191FDCG00080, 52181FDCG0007V, 52181FDCG0007L
Wireless Technology and Frequency Range	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n14 : 788 MHz ~ 798 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77 : 3700 MHz ~ 3980 MHz, 3450 MHz ~ 3550 MHz 5G NR n78 : 3700 MHz ~ 3800 MHz, 3450 MHz ~ 3550 MHz 5G NR n258 : 24.25 GHz~24.45 GHz, 24.75GHz ~25.25GHz 5G NR n260 : 37 GHz~40 GHz 5G NR n261 : 27.5 GHz~28.35 GHz NTN NB IoT B23: 2000 MHz ~2020 MHz NTN NB IoT B255: 1626.5 MHz ~ 1660.5 MHz WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz WLAN 5.9 GHz Band: 5850 MHz ~ 5895 MHz WLAN 6E: 5925 MHz ~ 6425 MHz, 6425 MHz~6525 MHz, 6525 MHz~6875 MHz, 6875 MHz~7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz NFC: 13.56 MHz WPC: 110 kHz ~ 148.5 kHz(Rx) UWB: 6489.6 MHz, 7987.2 MHz Thread: 2405 MHz ~ 2480 MHz

Mode	GSM/GPRS/EGPRS UMTS: RMC/AMR 12.2Kbps, HSDPA, HSUPA LTE: QPSK, 16QAM, 64QAM, 256QAM NTN: BPSK, QPSK 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK/QPSK/16QAM/64QAM/256QAM WLAN: 802.11a/b/g/n/ac/ax/be HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160 Bluetooth BR/EDR/LE/CS NFC: ASK WPC: ASK UWB: BPM-BPSK/HPSK Thread: QPSK
GSM / (E)GPRS Transfer mode	Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network.
Remark: - The device supports WLAN operation in the 2.4 GHz, 5.2 GHz, 5.8 GHz, and 6 GHz VLP bands with Hotspot functionality, and Bluetooth supports tethering applications. - The device incorporates power management and sensor detection mechanisms to ensure SAR compliance under various exposure conditions, including head, body-worn, hotspot, and product-specific scenarios. WWAN and Wi-Fi Transmission TAS features are implemented to ensure the transmit power does not exceed the limits defined in the applicable power tables. Additionally, Spatial TAS with predefined WWAN antenna group configurations is implemented to manage simultaneous transmission scenarios, as detailed in Appendix F. - The device implements sensor detection for SAR compliance. Power verification procedures are provided in Appendix E. - The proximity sensor (p-sensor) is implemented only on transmit antennas 1 and 4, and operates exclusively in open-mode scenarios. SAR testing at the trigger distance with full power transmission is documented in Part 1, Section 16.3 and 16.4 of SAR report. Simultaneous transmission analysis is included in Appendix F. - The device supports uplink MIMO on NR bands n41, n48, n77, and n78. Since the uplink MIMO antennas operate on separate antenna groups, TAS validation is not required. - Power Class 1.5 (PC1.5) supports only uplink MIMO configurations. - The UWB output power is –10.10 dBm, which is below 1 mW and therefore exempt from power density testing requirements.	



2.2 Maximum Tune-up Limit

General Note:

1. In this report, PC3, PC2, and PC1.5 refer to Power Class 3, Power Class 2, and Power Class 1.5, respectively.
2. For each cellular band, the device utilizes multiple WWAN antennas. Antenna selection is dynamically managed based on real-time connection quality.
3. The following table shows maximum output power configurations for various exposure conditions (output power index) with tune-up tolerance accounted. For TAS enabled bands, the values associate with Plimit plus the total uncertainty, or Pmax plus total uncertainty when the derived Plimit is higher than Pmax. In some frequency bands, for some power indexes which associate with the same power level, conducted power measurement for those only need to perform at once. Detail output power measurement refer to appendix D.
4. Power Index 1 represents the maximum power condition, and the corresponding use cases are evaluated in Appendix G.
5. SAR compliance for simultaneous voice call and hotspot operation is demonstrated through head SAR testing conducted at Power Index 3 and Power Index 7 under next-to-ear conditions.
6. The PC1.5 NR SAR was not required, due to PC1.5 operate in the time-averaged and burst transmission power is less than PC2, therefore, only PC2 was performed on the highest SAR test configuration in PC3, and use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%.
7. Thread only transmits using antenna 4, and it cannot operate concurrently with Bluetooth transmission.
8. PC1.5 supports only uplink MIMO configurations. In this mode, the target power per transmit chain is set equivalent to the PC2 standalone (SA) power level, such that the total combined output power across all chains achieves the aggregate power level defined for Power Class 1.5 (i.e., PC2 SA level + 3 dB).
9. The proximity sensor (p-sensor) is implemented only on WWAN transmit antennas 1, and operates exclusively in open-mode scenarios. When P-sensor off was performed at Power index 1, when P-sensor on was performed at power index 10/11.

Support transmit antenna and band
ANT 0: GSM850, UMTS B5, LTE B2/4/5/12/13/14/17/25/26/41/66/71, NR n2/5/12/14/25/26/38/41/66/71
ANT 1: GSM850/1900, UMTS B2/4/5, LTE B2/4/5/7/12/13/14/17/25/26/30/38/41/48/66/71, NR n2/5/7/12/14/25/26/30/38/41/48/66/70/71/77/78, NTN B23
ANT 2: GSM1900, UMTS B2/4, LTE B2/4/7/25/30/38/41/66, NR n2/7/25/30/38/41/48/66/70/77/78
ANT 4: NTN B255
ANT 5: LTE B2/4/25/38/41/48/66, NR n2/25/38/41/48/66/77/78
ANT 6: LTE B48, NR n48/77/78



Maximum Transmit Burst Average Power (dBm)													
Band	Antenna	Duty Cycle	Maximum Power condition	Close Mode						Open Mode			
				Head		Hotspot	Body-worn/Extremity		Head	Hotspot	Body-worn/Extremity		
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	Standalone Simultaneous	Simultaneous	Standalone	Simultaneous	
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	Index 7/8	Index 9	Index 10	Index 11	
GSM850 GSM/GPRS 1TX	0	12.50%	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	
GSM850 GPRS 2TX	0	25.00%	32.5	32.5	32.5	31.2	31.9	31.2	32.5	32.5	32.5	32.5	
GSM850 GPRS 3TX	0	37.50%	31.5	31.5	31.5	29.4	30.1	29.4	31.5	31.5	31.5	31.5	
GSM850 GPRS 4TX	0	50.00%	30.5	30.5	30.5	28.2	28.9	28.2	30.5	30.4	30.5	30.4	
GSM850 EDGE 1TX	0	12.50%	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	
GSM850 EDGE 2TX	0	25.00%	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	
GSM850 EDGE 3TX	0	37.50%	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	
GSM850 EDGE 4TX	0	50.00%	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	
GSM850 GSM/GPRS 1TX	1	12.50%	33.5	32.7	32.0	33.5	33.5	33.5	32.0	33.5	33.5	33.5	
GSM850 GPRS 2TX	1	25.00%	32.5	29.7	29.0	32.5	32.5	32.5	29.0	32.5	32.5	32.5	
GSM850 GPRS 3TX	1	37.50%	31.5	27.9	27.2	31.5	31.5	31.5	27.2	31.5	31.5	31.5	
GSM850 GPRS 4TX	1	50.00%	30.5	26.7	26.0	30.5	30.5	30.5	26.0	30.4	30.5	30.4	
GSM850 EDGE 1TX	1	12.50%	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	
GSM850 EDGE 2TX	1	25.00%	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	
GSM850 EDGE 3TX	1	37.50%	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	
GSM850 EDGE 4TX	1	50.00%	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	
GSM1900 GSM/GPRS 1TX	2	12.50%	30.5	30.5	30.5	26.9	27.6	26.9	30.5	26.3	27.2	26.5	
GSM1900 GPRS 2TX	2	25.00%	29.0	29.0	29.0	23.9	24.6	23.9	29.0	23.3	24.2	23.5	
GSM1900 GPRS 3TX	2	37.50%	28.5	28.5	28.5	22.1	22.8	22.1	28.5	21.5	22.4	21.7	
GSM1900 GPRS 4TX	2	50.00%	27.5	27.5	27.5	20.9	21.6	20.9	27.5	20.3	21.2	20.5	
GSM1900 EDGE 1TX	2	12.50%	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.3	26.5	26.5	
GSM1900 EDGE 2TX	2	25.00%	25.5	25.5	25.5	23.9	24.6	23.9	25.5	23.3	24.2	23.5	
GSM1900 EDGE 3TX	2	37.50%	24.5	24.5	24.5	22.1	22.8	22.1	24.5	21.5	22.4	21.7	
GSM1900 EDGE 4TX	2	50.00%	23.5	23.5	23.5	20.9	21.6	20.9	23.5	20.3	21.2	20.5	
GSM1900 GSM/GPRS 1TX	1	12.50%	30.5	30.5	30.5	30.5	30.5	30.5	26.7	29.2	30.5	30.5	
GSM1900 GPRS 2TX	1	25.00%	29.0	29.0	28.6	29.0	29.0	29.0	23.7	26.2	28.5	27.8	
GSM1900 GPRS 3TX	1	37.50%	28.5	27.5	26.8	28.5	28.5	28.5	21.9	24.4	26.7	26.0	
GSM1900 GPRS 4TX	1	50.00%	27.5	26.3	25.6	27.5	27.5	27.5	20.7	23.2	25.5	24.8	
GSM1900 EDGE 1TX	1	12.50%	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	
GSM1900 EDGE 2TX	1	25.00%	25.5	25.5	25.5	25.5	25.5	25.5	23.7	25.5	25.5	25.5	
GSM1900 EDGE 3TX	1	37.50%	24.5	24.5	24.5	24.5	24.5	24.5	21.9	24.4	24.5	24.5	
GSM1900 EDGE 4TX	1	50.00%	23.5	23.5	23.5	23.5	23.5	23.5	20.7	23.2	23.5	23.5	



Maximum Transmit Burst Average Power (dBm)												
Band	Antenna	Duty Cycle	Maximum Power condition	Close Mode					Open Mode			
				Head		Hotspot	Body-worn/Extremity		Head	Hotspot	Body-worn/Extremity	
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	Standalone	Simultaneous	Standalone	Simultaneous
				Index 2	Index 3	Index 4	Index 5	Index 6	Index 7/8	Index 9	Index 10	Index 11
WCDMA B2	2	100.00%	25.0	25.0	25.0	18.5	19.7	19.0	25.0	17.3	18.9	18.2
WCDMA B2	1	100.00%	25.0	22.4	21.7	22.2	23.8	23.1	16.8	20.1	22.4	21.7
WCDMA B4	2	100.00%	25.0	25.0	25.0	18.5	19.2	18.5	25.0	19.5	20.3	19.6
WCDMA B4	1	100.00%	25.0	22.7	22.0	25.0	25.0	25.0	19.7	24.8	25.0	24.8
WCDMA B5	0	100.00%	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
WCDMA B5	1	100.00%	25.0	21.7	21.0	25.0	25.0	25.0	22.7	25.0	25.0	25.0
LTE B2	2	100.00%	25.0	25.0	25.0	18.1	19.6	18.9	25.0	17.5	18.4	17.7
LTE B2	1	100.00%	25.0	22.2	21.5	23.6	24.3	23.6	16.5	19.8	22.0	21.3
LTE B2	0	100.00%	25.0	25.0	25.0	19.6	20.3	19.6	25.0	19.9	20.6	19.9
LTE B2	5	100.00%	25.0	25.0	25.0	25.0	25.0	25.0	24.1	23.9	24.6	23.9
LTE B4	2	100.00%	25.0	25.0	25.0	18.4	19.1	18.4	25.0	18.9	19.9	19.2
LTE B4	1	100.00%	25.0	21.7	21.0	25.0	25.0	25.0	19.2	24.6	25.0	24.6
LTE B4	0	100.00%	25.0	25.0	25.0	20.8	21.5	20.8	25.0	19.2	19.9	19.2
LTE B4	5	100.00%	25.0	25.0	24.9	25.0	25.0	25.0	25.0	22.8	23.5	22.8
LTE B5	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
LTE B5	1	100.00%	25.3	24.0	23.3	25.3	25.3	25.3	23.8	25.3	25.3	25.3
LTE B7	2	100.00%	25.0	25.0	25.0	17.8	18.5	17.8	25.0	18.9	20.2	19.5
LTE B7	1	100.00%	25.0	24.7	24.0	23.3	24.0	23.3	17.7	21.3	22.6	21.9
LTE B12	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
LTE B12	1	100.00%	25.3	23.7	23.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3
LTE B13	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.1	25.3	25.1
LTE B13	1	100.00%	25.3	24.2	23.5	25.3	25.3	25.3	23.7	25.3	25.3	25.3
LTE B14	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
LTE B14	1	100.00%	25.3	24.2	23.5	25.3	25.3	25.3	24.3	25.3	25.3	25.3
LTE B17	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
LTE B17	1	100.00%	25.3	23.7	23.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3
LTE B25	2	100.00%	25.0	25.0	25.0	18.1	19.6	18.9	25.0	17.5	18.4	17.7
LTE B25	1	100.00%	25.0	22.2	21.5	23.6	24.3	23.6	16.5	19.8	22.0	21.3
LTE B25	0	100.00%	25.0	25.0	25.0	19.6	20.3	19.6	25.0	19.9	20.6	19.9
LTE B25	5	100.00%	25.0	25.0	25.0	25.0	25.0	25.0	24.1	23.9	24.6	23.9
LTE B26	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
LTE B26	1	100.00%	25.3	24.0	23.3	25.3	25.3	25.3	23.8	25.3	25.3	25.3
LTE B30	2	100.00%	24.7	24.7	24.7	18.0	18.7	18.0	24.7	18.8	20.1	19.4
LTE B30	1	100.00%	24.7	24.4	23.7	24.7	24.7	24.7	18.1	23.1	23.8	23.1
LTE B38(PC3)	2	63.30%	25.0	25.0	25.0	19.6	20.9	20.2	25.0	19.9	20.7	20.0
LTE B38(PC3)	1	63.30%	25.0	24.2	23.5	25.0	25.0	25.0	19.8	24.4	25.0	24.4
LTE B38(PC3)	0	63.30%	25.0	25.0	25.0	23.9	24.6	23.9	25.0	23.8	24.8	24.1
LTE B38(PC3)	5	63.30%	25.0	24.9	24.2	25.0	25.0	25.0	25.0	25.0	25.0	25.0
LTE B38(PC2)	2	43.30%	26.9	26.9	26.9	21.2	22.5	21.8	26.9	21.5	22.3	21.6
LTE B38(PC2)	1	43.30%	26.9	25.8	25.1	26.9	26.9	26.9	21.4	26.0	26.7	26.0
LTE B38(PC2)	0	43.30%	26.9	26.9	26.9	25.5	26.2	25.5	26.9	25.4	26.4	25.7
LTE B38(PC2)	5	43.30%	26.9	26.5	25.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9
LTE B41(PC3)	2	63.30%	25.0	25.0	25.0	19.7	21.0	20.3	25.0	20.0	20.8	20.1
LTE B41(PC3)	1	63.30%	25.0	24.2	23.5	25.0	25.0	25.0	19.8	24.4	25.0	24.4
LTE B41(PC3)	0	63.30%	25.0	25.0	25.0	23.9	24.6	23.9	25.0	23.8	24.8	24.1
LTE B41(PC3)	5	63.30%	25.0	24.9	24.2	25.0	25.0	25.0	25.0	25.0	25.0	25.0
LTE B41(PC2)	2	43.30%	27.0	27.0	27.0	21.3	22.6	21.9	27.0	21.6	22.4	21.7
LTE B41(PC2)	1	43.30%	27.0	25.9	25.2	27.0	27.0	27.0	21.5	26.1	26.8	26.1
LTE B41(PC2)	0	43.30%	27.0	27.0	27.0	25.6	26.3	25.6	27.0	25.5	26.5	25.8
LTE B41(PC2)	5	43.30%	27.0	26.6	25.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0



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LTE B48(PC3)	6	63.30%	24.5	24.5	24.5	24.4	24.5	24.4	24.5	22.5	23.2	22.5
LTE B48(PC3)	1	63.30%	23.7	18.2	17.5	23.7	23.7	23.7	18.1	23.5	23.7	23.7
LTE B48(PC3)	2	63.30%	24.2	24.2	24.2	22.0	22.7	22.0	24.2	20.9	22.4	21.7
LTE B48(PC3)	5	63.30%	24.2	24.2	24.2	24.2	24.2	24.2	24.2	22.7	23.4	22.7
LTE B66	2	100.00%	25.0	25.0	25.0	18.4	19.1	18.4	25.0	18.9	19.9	19.2
LTE B66	1	100.00%	25.0	21.7	21.0	25.0	25.0	25.0	19.2	24.6	25.0	24.6
LTE B66	0	100.00%	25.0	25.0	25.0	20.8	21.5	20.8	25.0	19.2	19.9	19.2
LTE B66	5	100.00%	25.0	25.0	24.9	25.0	25.0	25.0	25.0	22.8	23.5	22.8
LTE B71	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
LTE B71	1	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.2	25.3	25.3	25.3
FR1 n2	2	100.00%	25.0	25.0	25.0	18.4	19.2	18.5	25.0	18.1	18.9	18.2
FR1 n2	1	100.00%	25.0	21.3	20.6	24.3	25.0	24.3	17.2	21.5	22.9	22.2
FR1 n2	0	100.00%	25.0	25.0	25.0	20.0	20.7	20.0	25.0	19.7	20.4	19.7
FR1 n2	5	100.00%	25.0	25.0	25.0	24.7	25.0	24.7	23.7	23.6	24.3	23.6
FR1 n5	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
FR1 n5	1	100.00%	25.3	23.0	22.3	25.3	25.3	25.3	23.8	25.3	25.3	25.3
FR1 n7	2	100.00%	25.1	25.1	25.1	18.1	19.1	18.4	25.1	19.5	20.2	19.5
FR1 n7	1	100.00%	25.1	23.7	23.0	22.9	23.6	22.9	17.0	21.0	22.5	21.8
FR1 n12	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
FR1 n12	1	100.00%	25.3	23.7	23.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3
FR1 n14	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.0	25.3	25.0
FR1 n14	1	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	24.7	25.3	25.3	25.3
FR1 n25	2	100.00%	25.0	25.0	25.0	18.4	19.2	18.5	25.0	18.1	18.9	18.2
FR1 n25	1	100.00%	25.0	21.3	20.6	24.3	25.0	24.3	17.2	21.5	22.9	22.2
FR1 n25	0	100.00%	25.0	25.0	25.0	20.0	20.7	20.0	25.0	19.7	20.4	19.7
FR1 n25	5	100.00%	25.0	25.0	25.0	24.7	25.0	24.7	23.7	23.6	24.3	23.6
FR1 n26	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
FR1 n26	1	100.00%	25.3	23.0	22.3	25.3	25.3	25.3	23.8	25.3	25.3	25.3
FR1 n30	2	100.00%	24.7	24.7	24.7	18.1	18.8	18.1	24.7	18.8	20.0	19.3
FR1 n30	1	100.00%	24.7	24.4	23.7	24.7	24.7	24.7	18.1	22.7	23.4	22.7
FR1 n38(PC3)	2	100.00%	25.1	25.1	25.1	17.3	18.7	18.0	25.1	17.7	19.2	18.5
FR1 n38(PC3)	1	100.00%	25.1	21.9	21.2	22.9	23.6	22.9	17.8	22.0	23.3	22.6
FR1 n38(PC3)	0	100.00%	25.1	25.1	25.1	22.6	23.7	23.0	25.1	22.4	23.1	22.4
FR1 n38(PC3)	5	100.00%	25.1	24.7	24.0	25.1	25.1	25.1	25.1	23.6	24.3	23.6
FR1 n41(PC3)	2	100.00%	25.0	25.0	25.0	17.3	18.7	18.0	25.0	17.7	19.2	18.5
FR1 n41(PC3)	1	100.00%	25.0	21.9	21.2	22.9	23.6	22.9	17.8	22.0	23.3	22.6
FR1 n41(PC3)	0	100.00%	25.0	25.0	25.0	22.6	23.7	23.0	25.0	22.4	23.1	22.4
FR1 n41(PC3)	5	100.00%	25.0	24.7	24.0	25.0	25.0	25.0	25.0	23.6	24.3	23.6
FR1 n41(PC2)	2	50.00%	27.0	27.0	27.0	20.3	21.7	21.0	27.0	20.7	22.2	21.5
FR1 n41(PC2)	1	50.00%	27.0	24.9	24.2	25.9	26.6	25.9	20.8	25.0	26.3	25.6
FR1 n41(PC2)	0	50.00%	27.0	27.0	27.0	25.6	26.7	26.0	27.0	25.4	26.1	25.4
FR1 n41(PC2)	5	50.00%	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.6	27.0	26.6
FR1 n41_ULMIMO(PC1.5)	2	25.00%	27.0	27.0	27.0	23.3	24.7	24.0	27.0	23.7	25.2	24.5
FR1 n41_ULMIMO(PC1.5)	1	25.00%	27.0	27.0	27.0	27.0	27.0	27.0	23.8	27.0	27.0	27.0
FR1 n41_ULMIMO(PC1.5)	0	25.00%	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
FR1 n41_ULMIMO(PC1.5)	5	25.00%	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
FR1 n48_ULMIMO(PC3)	6	100.00%	24.5	24.5	24.5	21.7	22.4	21.7	24.5	20.5	21.2	20.5
FR1 n48_ULMIMO(PC3)	1	100.00%	23.5	16.7	16.0	22.2	22.9	22.2	16.2	21.5	23.1	22.4
FR1 n48_ULMIMO(PC3)	2	100.00%	24.5	24.5	24.5	20.5	21.2	20.5	24.5	19.8	21.2	20.5
FR1 n48_ULMIMO(PC3)	5	100.00%	24.5	24.5	24.5	24.5	24.5	24.5	22.1	21.4	22.1	21.4
FR1 n66	2	100.00%	25.0	25.0	25.0	18.8	19.5	18.8	25.0	19.2	19.9	19.2
FR1 n66	1	100.00%	25.0	21.3	20.6	25.0	25.0	25.0	21.8	25.0	25.0	25.0
FR1 n66	0	100.00%	25.0	25.0	25.0	20.8	21.5	20.8	25.0	19.0	19.7	19.0
FR1 n66	5	100.00%	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.8	24.5	23.8
FR1 n70	2	100.00%	24.7	24.7	24.7	18.8	19.5	18.8	24.7	20.0	20.7	20.0
FR1 n70	1	100.00%	24.7	23.1	22.4	24.7	24.7	24.7	21.8	24.2	24.7	24.2



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FR1 n71	0	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
FR1 n71	1	100.00%	25.3	25.3	25.3	25.3	25.3	25.3	25.2	25.3	25.3	25.3
FR1 n77(PC3)	6	100.00%	25.0	25.0	25.0	21.6	22.3	21.6	25.0	20.2	20.9	20.2
FR1 n77(PC3)	1	100.00%	24.0	16.7	16.0	21.5	22.2	21.5	14.7	20.8	22.1	21.4
FR1 n77(PC3)	2	100.00%	25.0	25.0	25.0	20.2	20.9	20.2	25.0	20.1	20.8	20.1
FR1 n77(PC3)	5	100.00%	25.0	24.7	24.0	24.8	25.0	24.8	21.0	21.8	22.5	21.8
FR1 n77(PC2)	6	50.00%	27.0	27.0	27.0	24.6	25.3	24.6	27.0	23.2	23.9	23.2
FR1 n77(PC2)	1	50.00%	26.0	19.7	19.0	24.5	25.2	24.5	17.7	23.8	25.1	24.4
FR1 n77(PC2)	2	50.00%	27.0	27.0	27.0	23.2	23.9	23.2	27.0	23.1	23.8	23.1
FR1 n77(PC2)	5	50.00%	27.0	27.0	27.0	27.0	27.0	27.0	24.0	24.8	25.5	24.8
FR1 n77_ULMIMO(PC1.5)	6	25.00%	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.2	26.9	26.2
FR1 n77_ULMIMO(PC1.5)	1	25.00%	26.0	22.7	22.0	26.0	26.0	26.0	20.7	26.0	26.0	26.0
FR1 n77_ULMIMO(PC1.5)	2	25.00%	27.0	27.0	27.0	26.2	26.9	26.2	27.0	26.1	26.8	26.1
FR1 n77_ULMIMO(PC1.5)	5	25.00%	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
FR1 n78(PC3)	6	100.00%	25.0	25.0	25.0	21.6	22.3	21.6	25.0	20.2	20.9	20.2
FR1 n78(PC3)	1	100.00%	24.0	16.7	16.0	21.5	22.2	21.5	14.7	20.8	22.1	21.4
FR1 n78(PC3)	2	100.00%	25.0	25.0	25.0	20.2	20.9	20.2	25.0	20.1	20.8	20.1
FR1 n78(PC3)	5	100.00%	25.0	24.7	24.0	24.8	25.0	24.8	21.0	21.8	22.5	21.8
FR1 n78(PC2)	6	50.00%	27.0	27.0	27.0	24.6	25.3	24.6	27.0	23.2	23.9	23.2
FR1 n78(PC2)	1	50.00%	26.0	19.7	19.0	24.5	25.2	24.5	17.7	23.8	25.1	24.4
FR1 n78(PC2)	2	50.00%	27.0	27.0	27.0	23.2	23.9	23.2	27.0	23.1	23.8	23.1
FR1 n78(PC2)	5	50.00%	27.0	27.0	27.0	27.0	27.0	27.0	24.0	24.8	25.5	24.8
FR1 n78_ULMIMO(PC1.5)	6	25.00%	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.2	26.9	26.2
FR1 n78_ULMIMO(PC1.5)	1	25.00%	26.0	22.7	22.0	26.0	26.0	26.0	20.7	26.0	26.0	26.0
FR1 n78_ULMIMO(PC1.5)	2	25.00%	27.0	27.0	27.0	26.2	26.9	26.2	27.0	26.1	26.8	26.1
FR1 n78_ULMIMO(PC1.5)	5	25.00%	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
NTN B23	1	83.00%	24.7				24.7				23.1	
NTN B255	4	83.00%	24.5				24.5				22.4	

<WLAN Maximum Power>
General Note:

1. The device implements power management mechanisms to ensure WLAN SAR compliance under various exposure conditions and user scenarios. For each exposure condition, the transmit power index is selected based on the specific user scenario as tested and documented in Sections 15 and 16 of this report. Detailed information regarding the proprietary power management logic is provided in the operational description.
2. The designation "4+3(3)" refers to a 2TX transmission configuration in which antennas 4 and 3 are simultaneously active, and the SAR or output power measurement is specifically attributed to antenna 3.
3. The designation "4+3(4)" refers to a 2TX transmission configuration in which antennas 4 and 3 are simultaneously active, and the SAR or output power measurement is specifically attributed to antenna 4.
4. The proximity sensor (p-sensor) is implemented only on WLAN transmit antennas 4, and operates exclusively in open-mode scenarios. When P-sensor off was performed at Power index 6/7, when P-sensor on was performed at power index 8/9.

Burst Average Power (dBm)																						
2.4GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11b (SISO)	1	2412	24.00	23.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	24.00	20.00	24.00	14.00	20.00	20.00	14.00	14.00
	6	2437	24.00	24.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	24.00	20.00	24.00	14.00	20.00	20.00	14.00	14.00
	11	2462	22.50	22.50	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	22.50	20.00	22.50	14.00	20.00	20.00	14.00	14.00
	12	2467	21.50	21.50	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	21.50	20.00	21.50	14.00	20.00	20.00	14.00	14.00
	13	2472	18.00	16.50	18.00	16.50	17.00	16.50	18.00	16.50	14.50	14.50	6.50	6.50	18.00	16.50	18.00	14.00	18.00	16.50	14.00	14.00

Burst Average Power (dBm)																						
2.4GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11b (MIMO)	1	2412	23.00	23.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	23.00	20.00	23.00	14.00	20.00	20.00	14.00	14.00
	6	2437	23.00	23.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	23.00	20.00	23.00	14.00	20.00	20.00	14.00	14.00
	11	2462	23.00	23.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	23.00	20.00	23.00	14.00	20.00	20.00	14.00	14.00
	12	2467	21.00	21.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	21.00	20.00	21.00	14.00	20.00	20.00	14.00	14.00
	13	2472	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	14.50	14.50	6.50	6.50	17.00	17.00	17.00	14.00	17.00	17.00	14.00	14.00
802.11g (MIMO)	1	2412	20.00	20.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	20.00	20.00	20.00	14.00	20.00	20.00	14.00	14.00
	6	2437	22.00	22.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	22.00	20.00	22.00	14.00	20.00	20.00	14.00	14.00
	11	2462	19.50	19.50	19.50	19.50	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	19.50	19.50	19.50	14.00	19.50	19.50	14.00	14.00
	12	2467	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	14.50	14.50	6.50	6.50	16.50	16.50	16.50	14.00	16.50	16.50	14.00	14.00
	13	2472	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	6.50	6.50	14.50	14.50	14.50	14.00	14.50	14.50	14.00	14.00
802.11n HT20 (MIMO)	1	2412	19.50	19.50	19.50	19.50	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	19.50	19.50	19.50	14.00	19.50	19.50	14.00	14.00
	6	2437	21.00	21.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	21.00	20.00	21.00	14.00	20.00	20.00	14.00	14.00
	11	2462	18.50	18.50	18.50	18.50	17.00	17.00	18.50	18.50	14.50	14.50	6.50	6.50	18.50	18.50	18.50	14.00	18.50	18.50	14.00	14.00
	12	2467	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	14.50	14.50	6.50	6.50	16.50	16.50	16.50	14.00	16.50	16.50	14.00	14.00
	13	2472	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	6.50	6.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
802.11ac VHT20 (MIMO)	1	2412	19.50	19.50	19.50	19.50	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	19.50	19.50	19.50	14.00	19.50	19.50	14.00	14.00
	6	2437	21.00	21.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	21.00	20.00	21.00	14.00	20.00	20.00	14.00	14.00
	11	2462	18.50	18.50	18.50	18.50	17.00	17.00	18.50	18.50	14.50	14.50	6.50	6.50	18.50	18.50	18.50	14.00	18.50	18.50	14.00	14.00
	12	2467	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	14.50	14.50	6.50	6.50	16.50	16.50	16.50	14.00	16.50	16.50	14.00	14.00
	13	2472	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	6.50	6.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
802.11ax HE20 (MIMO)	1	2412	19.50	19.50	19.50	19.50	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	19.50	19.50	19.50	14.00	19.50	19.50	14.00	14.00
	6	2437	21.00	21.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	21.00	20.00	21.00	14.00	20.00	20.00	14.00	14.00
	11	2462	18.50	18.50	18.50	18.50	17.00	17.00	18.50	18.50	14.50	14.50	6.50	6.50	18.50	18.50	18.50	14.00	18.50	18.50	14.00	14.00
	12	2467	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	14.50	14.50	6.50	6.50	16.50	16.50	16.50	14.00	16.50	16.50	14.00	14.00
	13	2472	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	6.50	6.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
802.11be-EHT20 (MIMO)	1	2412	19.50	19.50	19.50	19.50	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	19.50	19.50	19.50	14.00	19.50	19.50	14.00	14.00
	6	2437	21.00	21.00	20.00	20.00	17.00	17.00	19.00	19.00	14.50	14.50	6.50	6.50	21.00	20.00	21.00	14.00	20.00	20.00	14.00	14.00
	11	2462	18.50	18.50	18.50	18.50	17.00	17.00	18.50	18.50	14.50	14.50	6.50	6.50	18.50	18.50	18.50	14.00	18.50	18.50	14.00	14.00
	12	2467	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	14.50	14.50	6.50	6.50	16.50	16.50	16.50	14.00	16.50	16.50	14.00	14.00
	13	2472	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	6.50	6.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00



Burst Average Power (dBm)																						
5.2GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a	36	5180	19.50	19.50	15.50	15.50	13.50	13.50	19.50	19.50	19.50	19.50	8.00	8.00	19.50	19.50	19.50	19.00	19.50	19.50	19.00	19.00
	40	5200	19.50	19.50	15.50	15.50	13.50	13.50	19.50	19.50	19.50	19.50	8.00	8.00	19.50	19.50	19.50	19.00	19.50	19.50	19.00	19.00
	44	5220	19.50	19.50	15.50	15.50	13.50	13.50	19.50	19.50	19.50	19.50	8.00	8.00	19.50	19.50	19.50	19.00	19.50	19.50	19.00	19.00
	48	5240	19.50	19.50	15.50	15.50	13.50	13.50	19.50	19.50	19.50	19.50	8.00	8.00	19.50	19.50	19.50	19.00	19.50	19.50	19.00	19.00
802.11n HT20	36	5180	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	40	5200	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	44	5220	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	48	5240	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
802.11n HT40	38	5190	18.50	18.50	15.50	15.50	13.50	13.50	18.50	18.50	18.50	18.50	8.00	8.00	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
	46	5230	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
802.11ac VHT20	36	5180	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	40	5200	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	44	5220	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	48	5240	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
802.11ac VHT40	38	5190	18.50	18.50	15.50	15.50	13.50	13.50	18.50	18.50	18.50	18.50	8.00	8.00	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
	46	5230	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
802.11ac VHT80	42	5210	16.50	16.50	15.50	15.50	13.50	13.50	16.50	16.50	16.50	16.50	8.00	8.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
802.11ax HE20	36	5180	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	40	5200	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	44	5220	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	48	5240	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
802.11ax HE40	38	5190	18.50	18.50	15.50	15.50	13.50	13.50	18.50	18.50	18.50	18.50	8.00	8.00	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
	46	5230	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
802.11ax HE80	42	5210	16.50	16.50	15.50	15.50	13.50	13.50	16.50	16.50	16.50	16.50	8.00	8.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
802.11be EHT20	36	5180	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	40	5200	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	44	5220	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	48	5240	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
802.11be EHT40	38	5190	18.50	18.50	15.50	15.50	13.50	13.50	18.50	18.50	18.50	18.50	8.00	8.00	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
	46	5230	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
802.11be EHT80	42	5210	16.50	16.50	15.50	15.50	13.50	13.50	16.50	16.50	16.50	16.50	8.00	8.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50

Burst Average Power (dBm)																						
5.3GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a	52	5260	19.00	19.00	15.50	15.50	13.50	13.50	19.00	19.00	19.00	19.00	8.00	8.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
	56	5280	19.00	19.00	15.50	15.50	13.50	13.50	19.00	19.00	19.00	19.00	8.00	8.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
	60	5300	19.00	19.00	15.50	15.50	13.50	13.50	19.00	19.00	19.00	19.00	8.00	8.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
	64	5320	19.00	19.00	15.50	15.50	13.50	13.50	19.00	19.00	19.00	19.00	8.00	8.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
802.11n HT20	52	5260	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	56	5280	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	60	5300	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	64	5320	19.00	19.00	15.50	15.50	13.50	13.50	19.00	19.00	19.50	19.50	8.00	8.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
802.11n HT40	54	5270	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	62	5310	18.00	18.00	15.50	15.50	13.50	13.50	18.00	18.00	18.00	18.00	8.00	8.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
802.11ac VHT20	52	5260	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	56	5280	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	60	5300	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	64	5320	19.00	19.00	15.50	15.50	13.50	13.50	19.00	19.00	19.50	19.50	8.00	8.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
802.11ac VHT40	54	5270	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	62	5310	18.00	18.00	15.50	15.50	13.50	13.50	18.00	18.00	18.00	18.00	8.00	8.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
802.11ac VHT80	58	5290	16.50	16.50	15.50	15.50	13.50	13.50	16.50	16.50	16.50	16.50	8.00	8.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
802.11ac VHT160	50	5250	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	8.00	8.00	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
802.11ax HE20	52	5260	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	56	5280	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	60	5300	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	64	5320	19.00	19.00	15.50	15.50	13.50	13.50	19.00	19.00	19.50	19.50	8.00	8.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
802.11ax HE40	54	5270	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	62	5310	18.00	18.00	15.50	15.50	13.50	13.50	18.00	18.00	18.00	18.00	8.00	8.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
802.11ax HE80	58	5290	16.50	16.50	15.50	15.50	13.50	13.50	16.50	16.50	16.50	16.50	8.00	8.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
802.11ax HE160	50	5250	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	8.00	8.00	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
802.11be EHT20	52	5260	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	56	5280	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	60	5300	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	64	5320	19.00	19.00	15.50	15.50	13.50	13.50	19.00	19.00	19.50	19.50	8.00	8.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
802.11be EHT40	54	5270	20.00	20.00	15.50	15.50	13.50	13.50	20.00	20.00	19.50	19.50	8.00	8.00	20.00	20.00	20.00	19.00	20.00	20.00	19.00	19.00
	62	5310	18.00	18.00	15.50	15.50	13.50	13.50	18.00	18.00	18.00	18.00	8.00	8.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
802.11be EHT80	58	5290	16.50	16.50	15.50	15.50	13.50	13.50	16.50	16.50	16.50	16.50	8.00	8.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
802.11be EHT160	50	5250	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	8.00	8.00	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50



TEL : 886-3-327-3456
FAX : 886-3-328-4978
Template version: 240125



FCC SAR TEST REPORT

Report No. : FA4N0920C

	134	5670	19.50	19.50	14.00	14.00	11.50	11.50	19.50	19.50	19.50	19.50	7.50	7.50	19.50	19.50	19.50	17.50	19.50	19.50	17.50	17.50
	142	5710	20.00	20.00	14.00	14.00	11.50	11.50	20.00	20.00	19.50	19.50	7.50	7.50	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
802.11be EHT80	106	5530	15.50	15.50	14.00	14.00	11.50	11.50	15.50	15.50	15.50	15.50	7.50	7.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50
	122	5610	20.00	20.00	14.00	14.00	11.50	11.50	20.00	20.00	19.50	19.50	7.50	7.50	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
	138	5690	20.00	20.00	14.00	14.00	11.50	11.50	20.00	20.00	19.50	19.50	7.50	7.50	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
802.11be EHT160	114	5570	13.50	13.50	13.50	13.50	11.50	11.50	13.50	13.50	13.50	13.50	7.50	7.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50

Burst Average Power (dBm)																						
5.8GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a	149	5745	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	157	5785	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	165	5825	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
802.11n HT20	149	5745	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	157	5785	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	165	5825	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
802.11n HT40	151	5755	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
	159	5795	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
802.11ac VHT20	149	5745	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	157	5785	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	165	5825	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
802.11ac VHT40	151	5755	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
	159	5795	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
802.11ac VHT80	155	5775	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
802.11ax HE20	149	5745	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	157	5785	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	165	5825	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
802.11ax HE40	151	5755	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
	159	5795	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
802.11ax HE80	155	5775	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
802.11be EHT20	149	5745	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	157	5785	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
	165	5825	21.00	21.00	17.50	17.50	14.50	14.50	21.00	21.00	21.00	21.00	6.00	6.00	21.00	20.50	21.00	17.50	20.50	20.50	17.50	17.50
802.11be EHT40	151	5755	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
	159	5795	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50
802.11be EHT80	155	5775	20.00	20.00	17.50	17.50	14.50	14.50	20.00	20.00	20.00	20.00	6.00	6.00	20.00	20.00	20.00	17.50	20.00	20.00	17.50	17.50



Burst Average Power (dBm)																						
5.9GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a	169	5845	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	173	5865	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	177	5885	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
802.11n HT20	169	5845	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	173	5865	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	177	5885	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
802.11n HT40	167	5835	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
	175	5875	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
802.11ac VHT20	169	5845	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	173	5865	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	177	5885	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
802.11ac VHT40	167	5835	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
	175	5875	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
802.11ac VHT80	171	5855	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
802.11ac VHT160	163	5815	18.00	18.00	17.50	17.50	15.00	15.00	18.00	18.00	18.00	18.00	5.50	5.50	18.00	18.00	18.00	17.00	18.00	18.00	17.00	17.00
802.11ax HE20	169	5845	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	173	5865	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	177	5885	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
802.11ax HE40	167	5835	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
	175	5875	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
802.11ax HE80	171	5855	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
802.11ax HE160	163	5815	18.00	18.00	17.50	17.50	15.00	15.00	18.00	18.00	18.00	18.00	5.50	5.50	18.00	18.00	18.00	17.00	18.00	18.00	17.00	17.00
802.11be EHT20	169	5845	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	173	5865	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
	177	5885	21.00	21.00	17.50	17.50	15.00	15.00	21.00	21.00	19.50	19.50	5.50	5.50	21.00	19.50	21.00	17.00	19.50	19.50	17.00	17.00
802.11be EHT40	167	5835	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
	175	5875	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
802.11be EHT80	171	5855	20.00	20.00	17.50	17.50	15.00	15.00	20.00	20.00	19.50	19.50	5.50	5.50	20.00	19.50	20.00	17.00	19.50	19.50	17.00	17.00
802.11be EHT160	163	5815	18.00	18.00	17.50	17.50	15.00	15.00	18.00	18.00	18.00	18.00	5.50	5.50	18.00	18.00	18.00	17.00	18.00	18.00	17.00	17.00



Standard Power(SP)

6GHz Mode CDD	Band	Channel	Frequency (MHz)	Burst Average Power (dBm)																			
				Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
				Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a	5	1	5955	21.00	21.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	21.00	13.00	21.00	13.00	13.00	13.00	13.00	13.00
	5	57	6235	21.00	21.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	21.00	13.00	21.00	13.00	13.00	13.00	13.00	13.00
	7	173	6815	21.00	21.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	21.00	12.50	21.00	12.50	12.50	12.50	12.50	12.50
802.11ax HE20	5	1	5955	21.00	21.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	21.00	13.00	21.00	13.00	13.00	13.00	13.00	13.00
	5	57	6235	21.00	21.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	21.00	13.00	21.00	13.00	13.00	13.00	13.00	13.00
	7	173	6815	21.00	21.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	21.00	12.50	21.00	12.50	12.50	12.50	12.50	12.50
802.11ax HE40	5	3	5965	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	5	59	6245	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	7	171	6805	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	12.50	20.00	12.50	12.50	12.50	12.50	12.50
802.11ax HE80	5	7	5985	18.50	18.50	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	18.50	13.00	18.50	13.00	13.00	13.00	13.00	13.00
	5	71	6305	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	7	167	6785	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	12.50	20.00	12.50	12.50	12.50	12.50	12.50
802.11ax HE160	5	15	6025	18.50	18.50	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	18.50	13.00	18.50	13.00	13.00	13.00	13.00	13.00
	5	47	6185	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	7	143	6665	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	12.50	20.00	12.50	12.50	12.50	12.50	12.50
802.11be EHT20	5	1	5955	21.00	21.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	21.00	13.00	21.00	13.00	13.00	13.00	13.00	13.00
	5	57	6235	21.00	21.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	21.00	13.00	21.00	13.00	13.00	13.00	13.00	13.00
	7	173	6815	21.00	21.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	21.00	12.50	21.00	12.50	12.50	12.50	12.50	12.50
802.11be EHT40	5	3	5965	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	5	59	6245	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	7	171	6805	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	12.50	20.00	12.50	12.50	12.50	12.50	12.50
802.11be EHT80	5	7	5985	18.50	18.50	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	18.50	13.00	18.50	13.00	13.00	13.00	13.00	13.00
	5	71	6305	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	7	167	6785	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	12.50	20.00	12.50	12.50	12.50	12.50	12.50
802.11be EHT160	5	15	6025	18.50	18.50	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	18.50	13.00	18.50	13.00	13.00	13.00	13.00	13.00
	5	47	6185	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	7	143	6665	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	12.50	20.00	12.50	12.50	12.50	12.50	12.50

Low Power Indoor(LPI)

Burst Average Power (dBm)							
6GHz Mode CDD/SDM	Band	Channel	Frequency (MHz)	SDM		CDD	
				Index 0		Index 0	
				Ant 4	Ant 3	Ant 4	Ant 3
802.11a	5	1	5955	11.00	11.00	8.50	8.50
	5	57	6235	11.00	11.00	8.50	8.50
	6	113	6515	11.00	11.00	9.00	9.00
	7	173	6815	11.50	11.50	10.50	10.50
	8	229	7095	11.50	11.50	10.50	10.50
802.11ax HE20	5	1	5955	11.50	11.50	9.50	9.50
	5	57	6235	11.50	11.50	9.50	9.50
	6	113	6515	11.50	11.50	10.00	10.00
	7	173	6815	12.00	12.00	11.00	11.00
	8	229	7095	12.50	12.50	9.50	9.50
802.11ax HE40	5	3	5965	14.50	14.50	12.50	12.50
	5	59	6245	14.50	14.50	12.50	12.50
	6	107	6485	14.50	14.50	13.00	13.00
	7	171	6805	14.50	14.50	14.00	14.00
	8	227	7085	14.50	14.50	13.00	13.00
802.11ax HE80	5	7	5985	17.50	17.50	15.50	15.50
	5	71	6305	17.50	17.50	15.50	15.50
	6	119	6545	17.50	17.50	15.50	15.50
	7	167	6785	17.50	17.50	17.00	17.00
	8	215	7025	17.50	17.50	16.00	16.00
802.11ax HE160	5	15	6025	20.00	20.00	19.00	19.00
	5	47	6185	20.00	20.00	19.00	19.00
	6	111	6505	20.00	20.00	19.00	19.00
	7	143	6665	20.00	20.00	20.00	20.00
	8	207	6985	20.00	20.00	18.50	18.50
802.11be EHT20	5	1	5955	11.50	11.50	9.50	9.50
	5	57	6235	11.50	11.50	9.50	9.50
	6	113	6515	11.50	11.50	10.00	10.00
	7	173	6815	12.00	12.00	11.00	11.00
	8	229	7095	12.50	12.50	9.50	9.50
802.11be EHT40	5	3	5965	14.50	14.50	12.50	12.50
	5	59	6245	14.50	14.50	12.50	12.50
	6	107	6485	14.50	14.50	13.00	13.00
	7	171	6805	14.50	14.50	14.00	14.00
	8	227	7085	14.50	14.50	13.00	13.00
802.11be EHT80	5	7	5985	17.50	17.50	15.50	15.50
	5	71	6305	17.50	17.50	15.50	15.50
	6	119	6545	17.50	17.50	15.50	15.50
	7	167	6785	17.50	17.50	17.00	17.00
	8	215	7025	17.50	17.50	16.00	16.00
802.11be EHT160	5	15	6025	20.00	20.00	19.00	19.00
	5	47	6185	20.00	20.00	19.00	19.00
	6	111	6505	20.00	20.00	19.00	19.00
	7	143	6665	20.00	20.00	20.00	20.00
	8	207	6985	20.00	20.00	18.50	18.50

Burst Average Power (dBm)																							
6GHz Mode SDM	Band	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
				Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a	5	1	5955	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	6.00	6.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
	5	57	6235	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	6.00	6.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
	6	113	6515	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	6.00	6.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
	7	173	6815	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	7.50	7.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	8	229	7095	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	8.00	8.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
802.11ax HE20	5	1	5955	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	5	57	6235	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	6	113	6515	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	7	173	6815	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	7.50	7.50	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	8	229	7095	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	8.00	8.00	12.50	11.50	12.50	11.50	11.50	11.50	11.50	11.50
802.11ax HE40	5	3	5965	14.50	14.50	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00
	5	59	6245	14.50	14.50	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00
	6	107	6485	14.50	14.50	14.50	14.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.50	14.50	13.50	13.50	13.50	13.50	13.50
	7	171	6805	14.50	14.50	14.50	14.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.50	12.50	14.50	12.50	12.50	12.50	12.50	12.50
	8	227	7085	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	8.00	8.00	14.50	11.50	14.50	11.50	11.50	11.50	11.50	11.50
802.11ax HE80	5	7	5985	17.50	17.50	17.50	17.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	17.50	13.00	17.50	13.00	13.00	13.00	13.00	13.00
	5	71	6305	17.50	17.50	17.50	17.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	17.50	13.00	17.50	13.00	13.00	13.00	13.00	13.00
	6	119	6545	17.50	17.50	17.00	17.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	17.50	13.50	17.50	13.50	13.50	13.50	13.50	13.50
	7	167	6785	17.50	17.50	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	17.50	12.50	17.50	12.50	12.50	12.50	12.50	12.50
	8	215	7025	17.50	17.50	17.00	17.00	15.50	15.50	15.00	15.00	15.00	15.00	8.00	8.00	17.50	11.50	17.50	11.50	11.50	11.50	11.50	11.50
802.11ax HE160	5	15	6025	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	5	47	6185	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	6	111	6505	20.00	20.00	17.00	17.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.50	20.00	13.50	13.50	13.50	13.50	13.50
	7	143	6665	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	12.50	20.00	12.50	12.50	12.50	12.50	12.50
	8	207	6985	20.00	20.00	17.00	17.00	15.50	15.50	15.00	15.00	15.00	15.00	8.00	8.00	20.00	11.50	20.00	11.50	11.50	11.50	11.50	11.50
802.11be EHT20	5	1	5955	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	5	57	6235	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	6	113	6515	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	7	173	6815	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	7.50	7.50	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	8	229	7095	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	8.00	8.00	12.50	11.50	12.50	11.50	11.50	11.50	11.50	11.50
802.11be EHT40	5	3	5965	14.50	14.50	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00
	5	59	6245	14.50	14.50	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00
	6	107	6485	14.50	14.50	14.50	14.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.50	14.50	13.50	13.50	13.50	13.50	13.50
	7	171	6805	14.50	14.50	14.50	14.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.50	12.50	14.50	12.50	12.50	12.50	12.50	12.50
	8	227	7085	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	8.00	8.00	14.50	11.50	14.50	11.50	11.50	11.50	11.50	11.50
802.11be EHT80	5	7	5985	17.50	17.50	17.50	17.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	17.50	13.00	17.50	13.00	13.00	13.00	13.00	13.00
	5	71	6305	17.50	17.50	17.50	17.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	17.50	13.00	17.50	13.00	13.00	13.00	13.00	13.00
	6	119	6545	17.50	17.50	17.00	17.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	17.50	13.50	17.50	13.50	13.50	13.50	13.50	13.50
	7	167	6785	17.50	17.50	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	17.50	12.50	17.50	12.50	12.50	12.50	12.50	12.50
	8	215	7025	17.50	17.50	17.00	17.00	15.50	15.50	15.00	15.00	15.00	15.00	8.00	8.00	17.50	11.50	17.50	11.50	11.50	11.50	11.50	11.50
802.11be EHT160	5	15	6025	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	5	47	6185	20.00	20.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.00	20.00	13.00	13.00	13.00	13.00	13.00
	6	111	6505	20.00	20.00	17.00	17.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	20.00	13.50	20.00	13.50	13.50	13.50	13.50	13.50
	7	143	6665	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	12.50	20.00	12.50	12.50	12.50	12.50	12.50
	8	207	6985	20.00	20.00	17.00	17.00	15.50	15.50	15.00	15.00	15.00	15.00	8.00	8.00	20.00	11.50	20.00	11.50	11.50	11.50	11.50	11.50



Burst Average Power (dBm)																							
6GHz Mode CDD	Band	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
				Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a	5	1	5955	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	6.00	6.00	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
	5	57	6235	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	6.00	6.00	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
	6	113	6515	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	6.00	6.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	7	173	6815	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	7.50	7.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50
	8	229	7095	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	8.00	8.00	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50
802.11ax HE20	5	1	5955	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	6.00	6.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
	5	57	6235	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	6.00	6.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
	6	113	6515	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.00	6.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	7	173	6815	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	7.50	7.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
	8	229	7095	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	8.00	8.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
802.11ax HE40	5	3	5965	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	6.00	6.00	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	5	59	6245	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	6.00	6.00	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	6	107	6485	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	6.00	6.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
	7	171	6805	14.00	14.00	14.00	14.00	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	8	227	7085	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	8.00	8.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
802.11ax HE80	5	7	5985	15.50	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	6.00	6.00	15.50	13.00	15.50	13.00	13.00	13.00	13.00	13.00
	5	71	6305	15.50	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	6.00	6.00	15.50	13.00	15.50	13.00	13.00	13.00	13.00	13.00
	6	119	6545	15.50	15.50	15.50	15.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	15.50	13.50	15.50	13.50	13.50	13.50	13.50	13.50
	7	167	6785	17.00	17.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	17.50	15.00	17.00	15.00	15.00	15.00	15.00	15.00
	8	215	7025	16.00	16.00	16.00	16.00	15.50	15.50	15.00	15.00	15.00	15.00	8.00	8.00	16.00	15.00	16.00	15.00	15.00	15.00	15.00	15.00
802.11ax HE160	5	15	6025	19.00	19.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	19.00	13.00	19.00	13.00	13.00	13.00	13.00	13.00
	5	47	6185	19.00	19.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	19.00	13.00	19.00	13.00	13.00	13.00	13.00	13.00
	6	111	6505	19.00	19.00	17.00	17.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	19.00	13.50	19.00	13.50	13.50	13.50	13.50	13.50
	7	143	6665	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	15.00	20.00	15.00	15.00	15.00	15.00	15.00
	8	207	6985	18.50	18.50	17.00	17.00	15.50	15.50	15.00	15.00	15.00	15.00	8.00	8.00	18.50	15.00	18.50	15.00	15.00	15.00	15.00	15.00
802.11be EHT20	5	1	5955	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	6.00	6.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
	5	57	6235	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	6.00	6.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
	6	113	6515	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.00	6.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	7	173	6815	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	7.50	7.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
	8	229	7095	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	8.00	8.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
802.11be EHT40	5	3	5965	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	6.00	6.00	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	5	59	6245	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	6.00	6.00	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	6	107	6485	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	6.00	6.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
	7	171	6805	14.00	14.00	14.00	14.00	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
	8	227	7085	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	8.00	8.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
802.11be EHT80	5	7	5985	15.50	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	6.00	6.00	15.50	13.00	15.50	13.00	13.00	13.00	13.00	13.00
	5	71	6305	15.50	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	6.00	6.00	15.50	13.00	15.50	13.00	13.00	13.00	13.00	13.00
	6	119	6545	15.50	15.50	15.50	15.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	15.50	13.50	15.50	13.50	13.50	13.50	13.50	13.50
	7	167	6785	17.00	17.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	17.50	15.00	17.00	15.00	15.00	15.00	15.00	15.00
	8	215	7025	16.00	16.00	16.00	16.00	15.50	15.50	15.00	15.00	15.00	15.00	8.00	8.00	16.00	15.00	16.00	15.00	15.00	15.00	15.00	15.00
802.11be EHT160	5	15	6025	19.00	19.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	19.00	13.00	19.00	13.00	13.00	13.00	13.00	13.00
	5	47	6185	19.00	19.00	18.50	18.50	16.00	16.00	13.00	13.00	13.00	13.00	6.00	6.00	19.00	13.00	19.00	13.00	13.00	13.00	13.00	13.00
	6	111	6505	19.00	19.00	17.00	17.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	19.00	13.50	19.00	13.50	13.50	13.50	13.50	13.50
	7	143	6665	20.00	20.00	15.50	15.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	20.00	15.00	20.00	15.00	15.00	15.00	15.00	15.00
	8	207	6985	18.50	18.50	17.00	17.00	15.50	15.50	15.00	15.00	15.00	15.00	8.00	8.00	18.50	15.00	18.50	15.00	15.00	15.00	15.00	15.00

Very Low Power(VLP)

Burst Average Power (dBm)							
6GHz Mode CDD/SDM	Band	Channel	Frequency (MHz)	SDM		CDD	
				Index 0		Index 0	
				Ant 4	Ant 3	Ant 4	Ant 3
802.11a	5	1	5955	7.50	7.50	5.00	5.00
	5	57	6235	7.50	7.50	5.00	5.00
	6	113	6515	7.50	7.50	5.00	5.00
	7	173	6815	8.50	8.50	6.50	6.50
	8	229	7095	7.50	7.50	6.00	6.00
802.11ax HE20	5	1	5955	8.00	8.00	6.00	6.00
	5	57	6235	8.00	8.00	6.00	6.00
	6	113	6515	8.00	8.00	6.00	6.00
	7	173	6815	9.00	9.00	7.50	7.50
	8	229	7095	8.00	8.00	6.50	6.50
802.11ax HE40	5	3	5965	10.50	10.50	9.00	9.00
	5	59	6245	10.50	10.50	9.00	9.00
	6	107	6485	11.00	11.00	8.50	8.50
	7	171	6805	11.00	11.00	10.50	10.50
	8	227	7085	11.00	11.00	8.00	8.00
802.11ax HE80	5	7	5985	14.00	14.00	11.50	11.50
	5	71	6305	14.00	14.00	11.50	11.50
	6	119	6545	14.50	14.50	11.50	11.50
	7	167	6785	14.50	14.50	13.00	13.00
	8	215	7025	14.50	14.50	12.50	12.50
802.11ax HE160	5	15	6025	14.50	14.50	15.00	15.00
	5	47	6185	14.50	14.50	15.00	15.00
	6	111	6505	14.50	14.50	14.50	14.50
	7	143	6665	14.50	14.50	15.50	15.50
	8	207	6985	14.50	14.50	15.00	15.00
802.11be EHT20	5	1	5955	8.00	8.00	6.00	6.00
	5	57	6235	8.00	8.00	6.00	6.00
	6	113	6515	8.00	8.00	6.00	6.00
	7	173	6815	9.00	9.00	7.50	7.50
	8	229	7095	8.00	8.00	6.50	6.50
802.11be EHT40	5	3	5965	10.50	10.50	9.00	9.00
	5	59	6245	10.50	10.50	9.00	9.00
	6	107	6485	11.00	11.00	8.50	8.50
	7	171	6805	11.00	11.00	10.50	10.50
	8	227	7085	11.00	11.00	8.00	8.00
802.11be EHT80	5	7	5985	14.00	14.00	11.50	11.50
	5	71	6305	14.00	14.00	11.50	11.50
	6	119	6545	14.50	14.50	11.50	11.50
	7	167	6785	14.50	14.50	13.00	13.00
	8	215	7025	14.50	14.50	12.50	12.50
802.11be EHT160	5	15	6025	14.50	14.50	15.00	15.00
	5	47	6185	14.50	14.50	15.00	15.00
	6	111	6505	14.50	14.50	14.50	14.50
	7	143	6665	14.50	14.50	15.50	15.50
	8	207	6985	14.50	14.50	15.00	15.00



Burst Average Power (dBm)																								
6GHz Mode SDM	Band	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9		
				Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11a	5	1	5955	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	6.00	6.00	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	
	5	57	6235	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	6.00	6.00	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	
	6	113	6515	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	6.00	6.00	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	
	7	173	6815	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	7.50	7.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	
	8	229	7095	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	
802.11ax HE20	5	1	5955	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	6.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	5	57	6235	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	6.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	6	113	6515	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	6.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	7	173	6815	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	7.50	7.50	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	
	8	229	7095	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
802.11ax HE40	5	3	5965	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	6.00	6.00	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	
	5	59	6245	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	6.00	6.00	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	
	6	107	6485	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	6.00	6.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	
	7	171	6805	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	7.50	7.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	
	8	227	7085	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	8.00	8.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	
802.11ax HE80	5	7	5985	14.00	14.00	14.00	14.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.00	13.00	14.00	13.00	13.00	13.00	13.00	13.00	
	5	71	6305	14.00	14.00	14.00	14.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.00	13.00	14.00	13.00	13.00	13.00	13.00	13.00	
	6	119	6545	14.50	14.50	14.50	14.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.50	14.50	13.50	13.50	13.50	13.50	13.50	
	7	167	6785	14.50	14.50	14.50	14.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.50	12.50	14.50	12.50	12.50	12.50	12.50	12.50	
	8	215	7025	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	8.00	8.00	14.50	11.50	14.50	11.50	11.50	11.50	11.50	11.50	
802.11ax HE160	5	15	6025	14.50	14.50	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00	
	5	47	6185	14.50	14.50	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00	
	6	111	6505	14.50	14.50	14.50	14.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.50	14.50	13.50	13.50	13.50	13.50	13.50	
	7	143	6665	14.50	14.50	14.50	14.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.50	12.50	14.50	12.50	12.50	12.50	12.50	12.50	
	8	207	6985	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	8.00	8.00	14.50	11.50	14.50	11.50	11.50	11.50	11.50	11.50	
802.11be EHT20	5	1	5955	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	6.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	5	57	6235	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	6.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	6	113	6515	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	6.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	7	173	6815	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	7.50	7.50	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	
	8	229	7095	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
802.11be EHT40	5	3	5965	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	6.00	6.00	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	
	5	59	6245	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	6.00	6.00	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	
	6	107	6485	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	6.00	6.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	
	7	171	6805	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	7.50	7.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	
	8	227	7085	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	8.00	8.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	
802.11be EHT80	5	7	5985	14.00	14.00	14.00	14.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.00	13.00	14.00	13.00	13.00	13.00	13.00	13.00	
	5	71	6305	14.00	14.00	14.00	14.00	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.00	13.00	14.00	13.00	13.00	13.00	13.00	13.00	
	6	119	6545	14.50	14.50	14.50	14.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.50	14.50	13.50	13.50	13.50	13.50	13.50	
	7	167	6785	14.50	14.50	14.50	14.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.50	12.50	14.50	12.50	12.50	12.50	12.50	12.50	
	8	215	7025	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	8.00	8.00	14.50	11.50	14.50	11.50	11.50	11.50	11.50	11.50	
802.11be EHT160	5	15	6025	14.50	14.50	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00	
	5	47	6185	14.50	14.50	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00	
	6	111	6505	14.50	14.50	14.50	14.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.50	14.50	13.50	13.50	13.50	13.50	13.50	
	7	143	6665	14.50	14.50	14.50	14.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.50	12.50	14.50	12.50	12.50	12.50	12.50	12.50	
	8	207	6985	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	8.00	8.00	14.50	11.50	14.50	11.50	11.50	11.50	11.50	11.50	



Burst Average Power (dBm)																							
6GHz Mode CDD	Band	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8		Index 9	
				Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
802.11a	5	1	5955	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	5	57	6235	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	6	113	6515	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	7	173	6815	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
	8	229	7095	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
802.11ax HE20	5	1	5955	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	5	57	6235	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	6	113	6515	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	7	173	6815	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
	8	229	7095	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
802.11ax HE40	5	3	5965	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	6.00	6.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	5	59	6245	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	6.00	6.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	6	107	6485	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	6.00	6.00	8.50	8.50	8.50	8.50	8.50	8.50	8.50
	7	171	6805	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	7.50	7.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50
	8	227	7085	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
802.11ax HE80	5	7	5985	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	5	71	6305	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	6	119	6545	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	7	167	6785	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	7.50	7.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00
	8	215	7025	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	8.00	8.00	12.50	12.50	12.50	12.50	12.50	12.50	12.50
802.11ax HE160	5	15	6025	15.00	15.00	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00
	5	47	6185	15.00	15.00	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00
	6	111	6505	14.50	14.50	14.50	14.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.50	14.50	13.50	13.50	13.50	13.50	13.50
	7	143	6665	15.50	15.50	14.50	14.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	8	207	6985	15.00	15.00	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	8.00	8.00	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
802.11be EHT20	5	1	5955	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	5	57	6235	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	6	113	6515	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	7	173	6815	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
	8	229	7095	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
802.11be EHT40	5	3	5965	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	6.00	6.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	5	59	6245	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	6.00	6.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
	6	107	6485	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	6.00	6.00	8.50	8.50	8.50	8.50	8.50	8.50	8.50
	7	171	6805	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	7.50	7.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50
	8	227	7085	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
802.11be EHT80	5	7	5985	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	5	71	6305	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	6	119	6545	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	6.00	6.00	11.50	11.50	11.50	11.50	11.50	11.50	11.50
	7	167	6785	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	7.50	7.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00
	8	215	7025	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	8.00	8.00	12.50	12.50	12.50	12.50	12.50	12.50	12.50
802.11be EHT160	5	15	6025	15.00	15.00	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00
	5	47	6185	15.00	15.00	14.50	14.50	14.50	14.50	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.00	14.50	13.00	13.00	13.00	13.00	13.00
	6	111	6505	14.50	14.50	14.50	14.50	14.00	14.00	13.00	13.00	13.00	13.00	6.00	6.00	14.50	13.50	14.50	13.50	13.50	13.50	13.50	13.50
	7	143	6665	15.50	15.50	14.50	14.50	13.50	13.50	14.00	14.00	14.00	14.00	7.50	7.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
	8	207	6985	15.00	15.00	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	8.00	8.00	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50

<Bluetooth/Thread/UWB Maximum Power>
General Note:

- The device implements power management mechanisms to ensure Bluetooth and Thread SAR compliance under various exposure conditions and user scenarios. For each exposure condition, the transmit power index is selected based on the specific use cases evaluated in Sections 15 and 16 of this report. Detailed information on the proprietary power management algorithm is provided in the operational description.

Burst Average Power (dBm)																				
Bluetooth	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
BR / EDR 1Mbps (SISO)	0	2402	20.50	20.50	20.50	20.50	15.50	20.50	20.50	20.50	20.50	20.50	8.50	18.00	15.00	20.50	20.50	20.50	20.50	20.50
	39	2441	20.50	20.50	20.50	20.50	15.50	20.50	20.50	20.50	20.50	20.50	8.50	18.00	15.00	20.50	20.50	20.50	20.50	20.50
	78	2480	20.50	20.50	20.50	20.50	15.50	20.50	20.50	20.50	20.50	20.50	8.50	18.00	15.00	20.50	20.50	20.50	20.50	20.50
BR / EDR 2Mbps (SISO)	0	2402	18.00	18.00	18.00	18.00	15.50	18.00	18.00	18.00	18.00	18.00	8.50	18.00	15.00	18.00	18.00	18.00	18.00	18.00
	39	2441	18.00	18.00	18.00	18.00	15.50	18.00	18.00	18.00	18.00	18.00	8.50	18.00	15.00	18.00	18.00	18.00	18.00	18.00
	78	2480	18.00	18.00	18.00	18.00	15.50	18.00	18.00	18.00	18.00	18.00	8.50	18.00	15.00	18.00	18.00	18.00	18.00	18.00
BR / EDR 3Mbps (SISO)	0	2402	18.00	18.00	18.00	18.00	15.50	18.00	18.00	18.00	18.00	18.00	8.50	18.00	15.00	18.00	18.00	18.00	18.00	18.00
	39	2441	18.00	18.00	18.00	18.00	15.50	18.00	18.00	18.00	18.00	18.00	8.50	18.00	15.00	18.00	18.00	18.00	18.00	18.00
	78	2480	18.00	18.00	18.00	18.00	15.50	18.00	18.00	18.00	18.00	18.00	8.50	18.00	15.00	18.00	18.00	18.00	18.00	18.00
BT5.0 CS GFSK 1Mbps (SISO)	2	2404	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
	38	2440	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
	76	2478	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
BT5.0 CS GFSK 2Mbps (SISO)	2	2404	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
	38	2440	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
	76	2478	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
BT5.0 CS ASK 1Mbps (SISO)	2	2404	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
	38	2440	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
	76	2478	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
BT5.0 CS ASK 2Mbps (SISO)	2	2404	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
	38	2440	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00
	76	2478	19.00	19.00	19.00	19.00	15.50	19.00	19.00	19.00	19.00	19.00	8.50	18.00	15.00	19.00	19.00	19.00	19.00	19.00

Burst Average Power (dBm)																				
Bluetooth	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4		Index 5		Index 6		Index 7		Index 8	
			Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
BR / EDR 1Mbps (MIMO)	0	2402	20.50	20.50	19.50	19.50	15.00	15.00	20.00	20.00	20.50	20.50	7.50	7.50	14.00	14.00	20.00	20.00	20.50	20.50
	39	2441	20.50	20.50	19.50	19.50	15.00	15.00	20.00	20.00	20.50	20.50	7.50	7.50	14.00	14.00	20.00	20.00	20.50	20.50
	78	2480	20.50	20.50	19.50	19.50	15.00	15.00	20.00	20.00	20.50	20.50	7.50	7.50	14.00	14.00	20.00	20.00	20.50	20.50
BR / EDR 2Mbps (MIMO)	0	2402	18.00	18.00	18.00	18.00	15.00	15.00	18.00	18.00	18.00	18.00	7.50	7.50	14.00	14.00	18.00	18.00	18.00	18.00
	39	2441	18.00	18.00	18.00	18.00	15.00	15.00	18.00	18.00	18.00	18.00	7.50	7.50	14.00	14.00	18.00	18.00	18.00	18.00
	78	2480	18.00	18.00	18.00	18.00	15.00	15.00	18.00	18.00	18.00	18.00	7.50	7.50	14.00	14.00	18.00	18.00	18.00	18.00
BR / EDR 3Mbps (MIMO)	0	2402	18.00	18.00	18.00	18.00	15.00	15.00	18.00	18.00	18.00	18.00	7.50	7.50	14.00	14.00	18.00	18.00	18.00	18.00
	39	2441	18.00	18.00	18.00	18.00	15.00	15.00	18.00	18.00	18.00	18.00	7.50	7.50	14.00	14.00	18.00	18.00	18.00	18.00
	78	2480	18.00	18.00	18.00	18.00	15.00	15.00	18.00	18.00	18.00	18.00	7.50	7.50	14.00	14.00	18.00	18.00	18.00	18.00
LE 1Mbps (MIMO)	0	2402	20.00	20.00	19.50	19.50	15.00	15.00	20.00	20.00	20.00	20.00	7.50	7.50	14.00	14.00	20.00	20.00	20.00	20.00
	19	2440	20.00	20.00	19.50	19.50	15.00	15.00	20.00	20.00	20.00	20.00	7.50	7.50	14.00	14.00	20.00	20.00	20.00	20.00
	39	2480	20.00	20.00	19.50	19.50	15.00	15.00	20.00	20.00	20.00	20.00	7.50	7.50	14.00	14.00	20.00	20.00	20.00	20.00
LE 2Mbps (MIMO)	0	2402	20.00	20.00	19.50	19.50	15.00	15.00	20.00	20.00	20.00	20.00	7.50	7.50	14.00	14.00	20.00	20.00	20.00	20.00
	19	2440	20.00	20.00	19.50	19.50	15.00	15.00	20.00	20.00	20.00	20.00	7.50	7.50	14.00	14.00	20.00	20.00	20.00	20.00
	39	2480	20.00	20.00	19.50	19.50	15.00	15.00	20.00	20.00	20.00	20.00	7.50	7.50	14.00	14.00	20.00	20.00	20.00	20.00

<Thread Maximum Power>

Burst Average Power (dBm)											
Thread	Channel	Frequency (MHz)	Index 0	Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	Index 7	Index 8
			Ant 4	Ant 4	Ant 4	Ant 4	Ant 4	Ant 4	Ant 4	Ant 4	Ant 4
250K	11	2405	22.00	19.50	14.00	19.00	21.50	7.00	13.50	19.00	21.50
	18	2440	22.00	19.50	14.00	19.00	21.50	7.00	13.50	19.00	21.50
	25	2475	22.00	19.50	14.00	19.00	21.50	7.00	13.50	19.00	21.50
	26	2480	22.00	19.50	14.00	19.00	21.50	7.00	13.50	19.00	21.50

<UWB Maximum Power>

Open Mode			
UWB	Maximum Tune up Power (dBm)		
	Ranging (CH05)	AOA (CH09)	Ranging (CH09)
	-12.40	-18.70	-10.10

Close Mode			
UWB	Maximum Tune up Power (dBm)		
	Ranging (CH05)	AOA (CH09)	Ranging (CH09)
	-12.40	-18.70	-10.10

2.3 General LTE SAR Test and Reporting Considerations

Summarized necessary items addressed in KDB 941225 D05 v02r05																																																																													
FCC ID	A4RGU0NP																																																																												
Equipment Name	Phone																																																																												
Operating Frequency Range of each LTE transmission band	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz																																																																												
Channel Bandwidth	LTE Band 2:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 4:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 5:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 7: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 12:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 13: 5MHz, 10MHz LTE Band 14: 5MHz, 10MHz LTE Band 17: 5MHz, 10MHz LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 26:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz LTE Band 30: 5MHz, 10MHz LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz																																																																												
uplink modulations used	QPSK / 16QAM / 64QAM / 256QAM																																																																												
LTE Voice / Data requirements	Voice and Data																																																																												
LTE MPR permanently built-in by design	<table><tr><th colspan="8">Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3</th></tr><tr><th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th><th rowspan="2">MPR (dB)</th></tr><tr><th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr><tr><td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 3</td></tr><tr><td>256 QAM</td><td colspan="6">≥ 1</td><td>≤ 5</td></tr></table>							Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3								Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1	16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1	16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2	64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2	64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3	256 QAM	≥ 1						≤ 5
Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3																																																																													
Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)																																																																						
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz																																																																							
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1																																																																						
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1																																																																						
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2																																																																						
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2																																																																						
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3																																																																						
256 QAM	≥ 1						≤ 5																																																																						
LTE A-MPR	In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI)																																																																												
Spectrum plots for RB configuration	A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.																																																																												
Power reduction applied to satisfy SAR compliance	The device has several different power modes for each exposure conditions SAR compliance; power selection is determined by the device's positioning and usage scenarios. Detail refer to operational description.																																																																												
LTE Carrier Aggregation Combinations	The UL CA include in section 12																																																																												
LTE Carrier Aggregation Additional Information	Additional following LTE Release features are not supported: Relay, HetNet, Enhanced MIMO, eICI, WiFi Offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA																																																																												

Transmission (H, M, L) channel numbers and frequencies in each LTE band																
LTE Band 2																
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	18607	1850.7	18615	1851.5	18625	1852.5	18650	1855	18675	1857.5	18700	1860				
M	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880				
H	19193	1909.3	19185	1908.5	19175	1907.5	19150	1905	19125	1902.5	19100	1900				
LTE Band 4																
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	19957	1710.7	19965	1711.5	19975	1712.5	20000	1715	20025	1717.5	20050	1720				
M	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5				
H	20393	1754.3	20385	1753.5	20375	1752.5	20350	1750	20325	1747.5	20300	1745				
LTE Band 5																
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	20407	824.7	20415	825.5	20425	826.5	20450	829	20450	829	20450	829				
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5	20525	836.5	20525	836.5				
H	20643	848.3	20635	847.5	20625	846.5	20600	844	20600	844	20600	844				
LTE Band 7																
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	20775	2502.5	20800	2505	20825	2507.5	20850	2510	20850	2510	20850	2510				
M	21100	2535	21100	2535	21100	2535	21100	2535	21100	2535	21100	2535				
H	21425	2567.5	21400	2565	21375	2562.5	21350	2560	21350	2560	21350	2560				
LTE Band 12																
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	23017	699.7	23025	700.5	23035	701.5	23060	704	23060	704	23060	704				
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5	23095	707.5	23095	707.5				
H	23173	715.3	23165	714.5	23155	713.5	23130	711	23130	711	23130	711				
LTE Band 13																
	Bandwidth 5 MHz				Bandwidth 10 MHz				Bandwidth 15 MHz							
	Channel #		Freq.(MHz)		Channel #		Freq.(MHz)		Channel #		Freq.(MHz)					
L	23205		779.5		23230		782		23230		782					
M	23230		782													
H	23255		784.5													
LTE Band 14																
	Bandwidth 5 MHz				Bandwidth 10 MHz				Bandwidth 15 MHz							
	Channel #		Channel #		Channel #		Freq.(MHz)		Channel #		Freq.(MHz)					
L	23305		790.5		23330		793		23330		793					
M	23330		793													
H	23355		795.5													
LTE Band 17																
	Bandwidth 5 MHz				Bandwidth 10 MHz				Bandwidth 15 MHz							
	Channel #		Freq.(MHz)		Channel #		Freq. (MHz)		Channel #		Freq. (MHz)					
L	23755		706.5		23780		709		23780		709					
M	23790		710		23790		710		23790		710					
H	23825		713.5		23800		711		23800		711					

LTE Band 25												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26047	1850.7	26055	1851.5	26065	1852.5	26090	1855	26115	1857.5	26140	1860
M	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880
H	26683	1914.3	26675	1913.5	26665	1912.5	26640	1910	26615	1907.5	26590	1905
LTE Band 26												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz			
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26697	814.7	26705	815.5	26715	816.5	26740	819	26765	821.5		
M	26865	831.5	26865	831.5	26865	831.5	26865	831.5	26865	831.5		
H	27033	848.3	27025	847.5	27015	846.5	26990	844	26965	841.5		
LTE Band 30												
	Bandwidth 5 MHz						Bandwidth 10 MHz					
	Channel #			Freq.(MHz)			Channel #			Freq.(MHz)		
L	27685			2307.5			27710			2310		
M	27710			2310								
H	27735			2312.5								
LTE Band 38												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	37775	2572.5	37800	2575	37825	2577.5	37850	2580				
M	38000	2595	38000	2595	38000	2595	38000	2595				
H	38225	2617.5	38200	2615	38175	2612.5	38150	2610				
LTE Band 41												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	39675	2498.5	39700	2501	39725	2503.5	39750	2506				
L	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5				
M	40620	2593	40620	2593	40620	2593	40620	2593				
H	41093	2640.3	41080	2639	41068	2637.8	41055	2636.5				
H	41565	2687.5	41540	2685	41515	2682.5	41490	2680				
LTE Band 48												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560				
L	55810	3607	55815	3607.5	55820	3608	55830	3609				
M	56170	3643	56165	3642.5	56160	3642	56150	3641				
H	56715	3697.5	56690	3695	56665	3692.5	56640	3690				
LTE Band 66												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	131979	1710.7	131987	1711.5	131997	1712.5	132022	1715	132047	1717.5	132072	1720
M	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745
H	132665	1779.3	132657	1778.5	132647	1777.5	132622	1775	132597	1772.5	132572	1770
LTE Band 71												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	133147	665.5	133172	668	133197	670.5	133222	673				
M	133297	680.5	133297	680.5	133297	680.5	133297	680.5				
H	133447	695.5	133422	693	133397	690.5	133372	688				

**2.4 General 5G NR SAR Test and Reporting Considerations**

5G NR Information														
FCC ID	A4RGU0NP													
Equipment Name	Phone													
Operating Frequency Range of each 5G NR transmission band	5G NR n2: 1850 MHz ~ 1910 MHz													
	5G NR n5: 824 MHz ~ 849 MHz													
	5G NR n7: 2500 MHz ~ 2570 MHz													
	5G NR n12: 699 MHz ~ 716 MHz													
	5G NR n14: 788 MHz ~ 798 MHz													
	5G NR n25: 1850 MHz ~ 1915 MHz													
	5G NR n26: 814 MHz ~ 849 MHz													
	5G NR n30: 2305 MHz ~ 2315 MHz													
	5G NR n38: 2570 MHz ~ 2620 MHz													
	5G NR n41: 2496 MHz ~ 2690 MHz													
	5G NR n48: 3550 MHz ~ 3700 MHz													
	5G NR n66: 1710 MHz ~ 1780 MHz													
	5G NR n70: 1695 MHz ~ 1710 MHz													
	5G NR n71: 663 MHz ~ 698 MHz													
	5G NR n77: 3700 MHz ~ 3980 MHz, 3450 MHz ~ 3550 MHz													
5G NR n78: 3700 MHz ~ 3800 MHz, 3450 MHz ~ 3550 MHz														
Channel Bandwidth	5G NR n2: 5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz													
	5G NR n5: 5MHz, 10MHz, 15MHz, 20MHz													
	5G NR n7: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz, 50MHz													
	5G NR n12: 5MHz, 10MHz, 15MHz													
	5G NR n14: 5MHz, 10MHz													
	5G NR n25: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 35MHz, 40MHz													
	5G NR n26: 5MHz, 10MHz, 15MHz, 20MHz													
	5G NR n30: 5MHz, 10MHz													
	5G NR n38: 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz													
	5G NR n41: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz													
	5G NR n48: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz													
	5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 35MHz, 40MHz													
	5G NR n70: 5MHz, 10MHz, 15MHz													
	5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz													
	5G NR n77/n78: 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz													
SCS	FDD: SCS15KHz, TDD: SCS30KHz													
uplink modulations used	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM QPSK / 16QAM / 64QAM / 256QAM													
A-MPR (Additional MPR) disabled for SAR Testing?	Yes													
LTE Anchor Band 2	FR1 n2/5/7/12/25/30/38/41/48/66/71/77/78/258/260/261													
LTE Anchor Band 4	FR1 n2/38/41/78													
LTE Anchor Band 5	FR1 n2/7/30/38/41/66/77/78/260/261													
LTE Anchor Band 7	FR1 n2/5/12/25/26/48/66/71/77/78													
LTE Anchor Band 12	FR1 n2/7/25/30/38/41/66/77/78/258/260/261													
LTE Anchor Band 13	FR1 n2/7/25/66/77/78/260/261													
LTE Anchor Band 14	FR1 n2/30/66/77/260													
LTE Anchor Band 25	FR1 n41/66/77/78													
LTE Anchor Band 26	FR1 n7/25/41/77/78													
LTE Anchor Band 30	FR1 n2/5/66/77/260													
LTE Anchor Band 48	FR1 n2/5/12/25/66/71/260/261													
LTE Anchor Band 66	FR1 n2/5/7/12/25/30/38/41/48/66/71/77/78/258/260/261													
LTE Anchor Band 71	FR1 n2/7/38/41/48/66/78													
NR Band 2														
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	374000	1870
M	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880
H	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895	378000	1890



NR Band 5																						
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz									
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)							
L	165300		826.5		165800		829		166300		831.5		166800		834							
M	167300		836.5		167300		836.5		167300		836.5		167300		836.5							
H	169300		846.5		168800		844		168300		841.5		167800		839							
NR Band 7																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz							
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)						
L	500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	504000	2520	505000	2525						
M	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535						
H	513500	2567.5	513000	2565	512500	2562.5	512000	2560	511500	2557.5	511000	2555	510000	2550	509000	2545						
NR Band 12																						
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz													
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)							
L	140300		701.5		140800		704		141300		706.5											
M	141500		707.5		141500		707.5		141500		707.5											
H	142700		713.5		142200		711		141700		708.5											
NR Band 14																						
	Bandwidth 5MHz						Bandwidth 10MHz															
	Ch. #			Freq. (MHz)			Ch. #			Freq. (MHz)												
L	158100			790.5			158600			793												
M	158600			793																		
H	159100			795.5																		
NR Band 25																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz							
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)						
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	373500	1867.5	374000	1870						
M	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5						
H	382500	1912.5	382000	1910	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895						
NR Band 26																						
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz				Bandwidth 20MHz									
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)							
L	163300		816.5		163800		819		164300		821.5		164800		824							
M	166300		831.5		166300		831.5		166300		831.5		166300		831.5							
H	169300		846.5		168800		844		168300		841.5		167800		839							
NR Band 30																						
	Bandwidth 5MHz						Bandwidth 10MHz															
	Ch. #			Freq. (MHz)			Ch. #			Freq. (MHz)												
L	461500			2307.5			462000			2310												
M	462000			2310																		
H	462500			2312.5																		
NR Band 38																						
	Bandwidth 10MHz				Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz									
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)								
L	515004	2575.02	515502	2577.51	516000	2580	516504	2582.52	517002	2585.01	518004	2590.02										
M	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595										
H	522996	2614.98	522498	2612.49	522000	2610	521496	2607.48	520998	2604.99	519996	2599.98										
NR Band 41																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	500202	2501.01	500700	2503.5	501204	2506.02	502200	2511	503202	2516.01	504204	2521.02	505200	2526	506202	2531.01	507204	2536.02	508200	2541	509202	2546.01
M	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99
H	537000	2685	536496	2682.48	535998	2679.99	534996	2674.98	534000	2670	532998	2664.99	531996	2659.98	531000	2655	529998	2649.99	528996	2644.98	528000	2640

NR Band 48																								
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz															
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)														
L	637000	3555	637168	3557.52	637334	3560.01	637668	3565.02	638000	3570														
M	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99														
H	646332	3694.98	646166	3692.49	646000	3690	645666	3684.99	645332	3679.98														
NR Band 66																								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz									
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)								
L	342500	1712.5	343000	1715	343500	1717.5	344000	1720	344500	1722.5	345000	1725	345500	1727.5	346000	1730								
M	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745								
H	355500	1777.5	355000	1775	354500	1772.5	354000	1770	353500	1767.5	353000	1765	352500	1762.5	352000	1760								
NR Band 70																								
	Bandwidth 5MHz			Bandwidth 10MHz			Bandwidth 15MHz																	
	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)															
L	339500		1697.5	340000		1700	340500		1702.5															
M	340500		1702.5	340500		1702.5																		
H	341500		1707.5	341000		1705																		
NR Band 71																								
	Bandwidth 5MHz			Bandwidth 10MHz			Bandwidth 15MHz			Bandwidth 20MHz														
	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)												
L	133100		665.5	133600		668	13410		670.5	134600		673												
M	136100		680.5	136100		680.5	136100		680.5	136100		680.5												
H	139100		695.5	138600		693	13810		690.5	137600		688												
NR Band 77_Part 27O																								
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	665000	3975	664832	3972.48	664666	3969.99	664500	3967.50	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930
NR Band 78_Part 27O																								
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750		
H	653000	3795	652832	3792.48	652666	3789.99	652500	3787.50	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98		
NR Band 77/78_Part 27Q																								
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	630334	3455.01	630500	3457.5	630668	3460.02	630834	3462.51	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495	633332	3499.98
M	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98		
H	636332	3544.98	636166	3542.49	636000	3540	635832	3537.48	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		

3. TAS feature for RF Exposure compliance

The FCC RF exposure limit is based on time-averaged RF exposure. Both SAR and PD regulatory specifications are defined over certain measurement duration allowing for time-averaging. The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm with Non-Terrestrial Networks algorithm has been designed to meet the compliance limits over the required duration, while still allowing dynamic control of transmit power for meeting system performance. Under the control of TAS algorithm, the device can transmit at high power up to Pmax for certain interval, but the average power will be maintained not exceeding the pre-defined averaged level (Plimit), and thus maintain the time-averaged RF exposure compliance

The following table shows Plimit and maximum tune up output power Pmax, for all exposure and transmit transmit conditions (output power index).

Pmax	Maximum Tx power that can be transmitted physically from RFIC for a given RAT
SAR_FCC_limit	SAR limit specified by FCC 1.6 W/kg averaged over 1-gram, for head and body exposure, and 4 W/kg averaged over 10-gram, for extremity exposure
PD_FCC_limit	PD limit specified by FCC, 10 W/m ² averaged over 4 cm ²
Plimit	The time-averaged RF power that corresponds to SAR_target or PD_target.

**3.1 SAR Characterization – Power Table****General Note:**

1. The Plimit values correspond to the SAR design target levels defined for each band and technology.
2. GSM does not support time-averaging for dynamic power variation. As a result, the transmit power remains fixed at a reduced static level across all exposure conditions to ensure RF exposure compliance. For GSM, the Plimit values listed in the table represent burst average power levels, which do not incorporate the transmit duty cycle.
3. For UMTS, LTE, FR1, and NTN, the Plimit values in the table represent time-averaged transmit power levels, which account for the applicable TX duty cycle during operation.
4. The maximum target power and Pmax are configured in the NV settings of the EUT to constrain peak transmission power. For TDD-based technologies, this power are converted to peak transmit power within the NV configuration.

<P_{limit} for supported technologies and bands (P_{limit} corresponding to SAR design target)>

Wireless technology/ band (No Accounting duty cycle)	Antenna	Duty cycle	Maximum Power condition	Close Mode					Open Mode				PMax Burst average power (dBm)
				Head		Hotspot	Body-worn / Extremity		Head	Hotspot	Body-worn / Extremity		
			Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	Standalone Simultaneous	Simultaneous	Standalone	Simultaneous		
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	Index 7/8	Index 9	Index 10	Index 11	
			P-limit					P-limit					
			Burst average power (dBm)					Burst average power (dBm)					
GSM850 GPRS 1TX	0	12.50%	32.5	39.6	38.9	33.2	33.9	33.2	39.2	35.4	36.1	35.4	32.5
GSM850 GPRS 2TX	0	25.00%	31.5	36.6	35.9	30.2	30.9	30.2	36.2	32.4	33.1	32.4	31.5
GSM850 GPRS 3TX	0	37.50%	30.5	34.8	34.1	28.4	29.1	28.4	34.4	30.6	31.3	30.6	30.5
GSM850 GPRS 4TX	0	50.00%	29.5	33.6	32.9	27.2	27.9	27.2	33.2	29.4	30.1	29.4	29.5
GSM850 EDGE 1TX	0	12.50%	26.5	39.6	38.9	33.2	33.9	33.2	39.2	35.4	36.1	35.4	26.5
GSM850 EDGE 2TX	0	25.00%	25.5	36.6	35.9	30.2	30.9	30.2	36.2	32.4	33.1	32.4	25.5
GSM850 EDGE 3TX	0	37.50%	24.5	34.8	34.1	28.4	29.1	28.4	34.4	30.6	31.3	30.6	24.5
GSM850 EDGE 4TX	0	50.00%	23.5	33.6	32.9	27.2	27.9	27.2	33.2	29.4	30.1	29.4	23.5
GSM850 GPRS 1TX	1	12.50%	32.5	31.7	31.0	35.8	36.5	35.8	31.0	35.4	36.1	35.4	32.5
GSM850 GPRS 2TX	1	25.00%	31.5	28.7	28.0	32.8	33.5	32.8	28.0	32.4	33.1	32.4	31.5
GSM850 GPRS 3TX	1	37.50%	30.5	26.9	26.2	31.0	31.7	31.0	26.2	30.6	31.3	30.6	30.5
GSM850 GPRS 4TX	1	50.00%	29.5	25.7	25.0	29.8	30.5	29.8	25.0	29.4	30.1	29.4	29.5
GSM850 EDGE 1TX	1	12.50%	26.5	31.7	31.0	35.8	36.5	35.8	31.0	35.4	36.1	35.4	26.5
GSM850 EDGE 2TX	1	25.00%	25.5	28.7	28.0	32.8	33.5	32.8	28.0	32.4	33.1	32.4	25.5
GSM850 EDGE 3TX	1	37.50%	24.5	26.9	26.2	31.0	31.7	31.0	26.2	30.6	31.3	30.6	24.5
GSM850 EDGE 4TX	1	50.00%	23.5	25.7	25.0	29.8	30.5	29.8	25.0	29.4	30.1	29.4	23.5
GSM1900 GPRS 1TX	2	12.50%	29.5	40.3	39.6	25.9	26.6	25.9	42.7	25.3	26.2	25.5	29.5
GSM1900 GPRS 2TX	2	25.00%	28.0	37.3	36.6	22.9	23.6	22.9	39.7	22.3	23.2	22.5	28.0
GSM1900 GPRS 3TX	2	37.50%	27.5	35.5	34.8	21.1	21.8	21.1	37.9	20.5	21.4	20.7	27.5
GSM1900 GPRS 4TX	2	50.00%	26.5	34.3	33.6	19.9	20.6	19.9	36.7	19.3	20.2	19.5	26.5
GSM1900 EDGE 1TX	2	12.50%	25.5	40.3	39.6	25.9	26.6	25.9	42.7	25.3	26.2	25.5	25.5
GSM1900 EDGE 2TX	2	25.00%	24.5	37.3	36.6	22.9	23.6	22.9	39.7	22.3	23.2	22.5	24.5
GSM1900 EDGE 3TX	2	37.50%	23.5	35.5	34.8	21.1	21.8	21.1	37.9	20.5	21.4	20.7	23.5
GSM1900 EDGE 4TX	2	50.00%	22.5	34.3	33.6	19.9	20.6	19.9	36.7	19.3	20.2	19.5	22.5
GSM1900 GPRS 1TX	1	12.50%	29.5	31.3	30.6	36.8	37.6	36.9	25.7	28.2	30.5	29.8	29.5
GSM1900 GPRS 2TX	1	25.00%	28.0	28.3	27.6	33.8	34.6	33.9	22.7	25.2	27.5	26.8	28.0
GSM1900 GPRS 3TX	1	37.50%	27.5	26.5	25.8	32.0	32.8	32.1	20.9	23.4	25.7	25.0	27.5
GSM1900 GPRS 4TX	1	50.00%	26.5	25.3	24.6	30.8	31.6	30.9	19.7	22.2	24.5	23.8	26.5
GSM1900 EDGE 1TX	1	12.50%	25.5	31.3	30.6	36.8	37.6	36.9	25.7	28.2	30.5	29.8	25.5
GSM1900 EDGE 2TX	1	25.00%	24.5	28.3	27.6	33.8	34.6	33.9	22.7	25.2	27.5	26.8	24.5
GSM1900 EDGE 3TX	1	37.50%	23.5	26.5	25.8	32.0	32.8	32.1	20.9	23.4	25.7	25.0	23.5
GSM1900 EDGE 4TX	1	50.00%	22.5	25.3	24.6	30.8	31.6	30.9	19.7	22.2	24.5	23.8	22.5

**<P_{limit} for supported technologies and bands (P_{limit} corresponding to SAR design target)>**

Wireless technology/ band (Accounting duty cycle)	Antenna	Duty cycle	Maximum Power condition	Close Mode					Open Mode				PMax Burst average power (dBm)	
				Head		Hotspot	Body-worn / Extremity		Head	Hotspot	Body-worn / Extremity			
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	Standalone Simultaneous	Simultaneous	Standalone	Simultaneous		
				Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	Index 7/8	Index 9	Index 10		Index 11
				P-limit					P-limit					
				Burst average power (dBm)					Burst average power (dBm)					
WCDMA B2	2	100.00%	24.0	31.3	30.6	17.5	18.7	18.0	30.7	16.3	17.9	17.2	24.0	
WCDMA B2	1	100.00%	24.0	21.4	20.7	21.2	22.8	22.1	15.8	19.1	21.4	20.7	24.0	
WCDMA B4	2	100.00%	24.0	31.5	30.8	17.5	18.2	17.5	29.7	18.5	19.3	18.6	24.0	
WCDMA B4	1	100.00%	24.0	21.7	21.0	27.9	28.8	28.1	18.7	23.8	24.5	23.8	24.0	
WCDMA B5	0	100.00%	24.3	30.3	29.6	25.5	26.2	25.5	29.3	26.1	26.8	26.1	24.3	
WCDMA B5	1	100.00%	24.3	21.0	20.3	25.7	26.4	25.7	22.0	26.4	27.1	26.4	24.3	
LTE B2	2	100.00%	24.0	31.4	30.7	17.1	18.6	17.9	32.4	16.5	17.4	16.7	24.0	
LTE B2	1	100.00%	24.0	21.2	20.5	22.6	23.3	22.6	15.5	18.8	21.0	20.3	24.0	
LTE B2	0	100.00%	24.0	30.6	29.9	18.6	19.3	18.6	26.4	18.9	19.6	18.9	24.0	
LTE B2	5	100.00%	24.0	27.1	26.4	25.7	26.4	25.7	23.1	22.9	23.6	22.9	24.0	
LTE B4	2	100.00%	24.0	31.7	31.0	17.4	18.1	17.4	29.6	17.9	18.9	18.2	24.0	
LTE B4	1	100.00%	24.0	20.7	20.0	27.6	28.3	27.6	18.2	23.6	24.3	23.6	24.0	
LTE B4	0	100.00%	24.0	31.5	30.8	19.8	20.5	19.8	27.7	18.2	18.9	18.2	24.0	
LTE B4	5	100.00%	24.0	24.6	23.9	26.9	27.6	26.9	24.6	21.8	22.5	21.8	24.0	
LTE B5	0	100.00%	24.3	30.2	29.5	26.6	27.3	26.6	28.9	26.6	27.3	26.6	24.3	
LTE B5	1	100.00%	24.3	23.0	22.3	25.5	26.2	25.5	22.8	26.6	27.3	26.6	24.3	
LTE B7	2	100.00%	24.1	33.3	32.6	16.9	17.6	16.9	34.6	18.0	19.3	18.6	24.1	
LTE B7	1	100.00%	24.1	23.8	23.1	22.4	23.1	22.4	16.8	20.4	21.7	21.0	24.1	
LTE B12	0	100.00%	24.3	30.0	29.3	26.4	27.6	26.9	31.0	26.3	27.0	26.3	24.3	
LTE B12	1	100.00%	24.3	22.7	22.0	25.6	26.3	25.6	24.4	26.3	27.0	26.3	24.3	
LTE B13	0	100.00%	24.3	29.7	29.0	26.0	27.5	26.8	29.0	24.1	24.8	24.1	24.3	
LTE B13	1	100.00%	24.3	23.2	22.5	26.2	26.9	26.2	22.7	27.4	28.1	27.4	24.3	
LTE B14	0	100.00%	24.3	29.5	28.8	26.2	27.6	26.9	29.1	25.4	26.1	25.4	24.3	
LTE B14	1	100.00%	24.3	23.2	22.5	26.6	27.3	26.6	23.3	27.7	28.4	27.7	24.3	
LTE B17	0	100.00%	24.3	30.0	29.3	26.4	27.6	26.9	31.0	26.3	27.0	26.3	24.3	
LTE B17	1	100.00%	24.3	22.7	22.0	25.6	26.3	25.6	24.4	26.3	27.0	26.3	24.3	
LTE B25	2	100.00%	24.0	31.4	30.7	17.1	18.6	17.9	32.4	16.5	17.4	16.7	24.0	
LTE B25	1	100.00%	24.0	21.2	20.5	22.6	23.3	22.6	15.5	18.8	21.0	20.3	24.0	
LTE B25	0	100.00%	24.0	30.6	29.9	18.6	19.3	18.6	26.4	18.9	19.6	18.9	24.0	
LTE B25	5	100.00%	24.0	27.1	26.4	25.7	26.4	25.7	23.1	22.9	23.6	22.9	24.0	
LTE B26	0	100.00%	24.3	30.2	29.5	26.6	27.3	26.6	28.9	26.6	27.3	26.6	24.3	
LTE B26	1	100.00%	24.3	23.0	22.3	25.5	26.2	25.5	22.8	26.6	27.3	26.6	24.3	
LTE B30	2	100.00%	23.7	31.3	30.6	17.0	17.7	17.0	37.3	17.8	19.1	18.4	23.7	
LTE B30	1	100.00%	23.7	23.4	22.7	25.2	25.9	25.2	17.1	22.1	22.8	22.1	23.7	
LTE B38(PC3)	2	63.30%	22.1	31.5	30.8	16.7	18.0	17.3	33.1	17.0	17.8	17.1	22.1	
LTE B38(PC3)	1	63.30%	22.1	21.3	20.6	22.5	23.2	22.5	16.9	21.5	22.2	21.5	22.1	
LTE B38(PC3)	0	63.30%	22.1	31.5	30.8	21.0	21.7	21.0	28.2	20.9	21.9	21.2	22.1	
LTE B38(PC3)	5	63.30%	22.1	22.0	21.3	23.7	24.4	23.7	23.8	22.6	23.3	22.6	22.1	
LTE B38(PC2)	2	43.30%	22.4	31.5	30.8	16.7	18.0	17.3	33.1	17.0	17.8	17.1	22.4	
LTE B38(PC2)	1	43.30%	22.4	21.3	20.6	22.5	23.2	22.5	16.9	21.5	22.2	21.5	22.4	
LTE B38(PC2)	0	43.30%	22.4	31.5	30.8	21.0	21.7	21.0	28.2	20.9	21.9	21.2	22.4	
LTE B38(PC2)	5	43.30%	22.4	22.0	21.3	23.7	24.4	23.7	23.8	22.6	23.3	22.6	22.4	
LTE B41(PC3)	2	63.30%	22.0	31.5	30.8	16.7	18.0	17.3	33.1	17.0	17.8	17.1	22.0	
LTE B41(PC3)	1	63.30%	22.1	21.3	20.6	22.5	23.2	22.5	16.9	21.5	22.2	21.5	22.1	
LTE B41(PC3)	0	63.30%	22.1	31.5	30.8	21.0	21.7	21.0	28.2	20.9	21.9	21.2	22.1	
LTE B41(PC3)	5	63.30%	22.1	22.0	21.3	23.7	24.4	23.7	23.8	22.6	23.3	22.6	22.1	
LTE B41(PC2)	2	43.30%	22.4	31.5	30.8	16.7	18.0	17.3	33.1	17.0	17.8	17.1	22.4	
LTE B41(PC2)	1	43.30%	22.4	21.3	20.6	22.5	23.2	22.5	16.9	21.5	22.2	21.5	22.4	
LTE B41(PC2)	0	43.30%	22.4	31.5	30.8	21.0	21.7	21.0	28.2	20.9	21.9	21.2	22.4	



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LTE B41(PC2)	5	43.30%	22.4	22.0	21.3	23.7	24.4	23.7	23.8	22.6	23.3	22.6	22.4
LTE B48(PC3)	6	63.30%	21.5	32.0	31.3	21.4	22.1	21.4	28.1	19.5	20.2	19.5	21.5
LTE B48(PC3)	1	63.30%	20.7	15.2	14.5	21.2	21.9	21.2	15.1	20.5	22.0	21.3	20.7
LTE B48(PC3)	2	63.30%	21.2	36.2	35.5	19.0	19.7	19.0	32.3	17.9	19.4	18.7	21.2
LTE B48(PC3)	5	63.30%	21.2	25.5	24.8	21.6	22.3	21.6	21.4	19.7	20.4	19.7	21.2
LTE B66	2	100.00%	24.0	31.7	31.0	17.4	18.1	17.4	29.6	17.9	18.9	18.2	24.0
LTE B66	1	100.00%	24.0	20.7	20.0	27.6	28.3	27.6	18.2	23.6	24.3	23.6	24.0
LTE B66	0	100.00%	24.0	31.5	30.8	19.8	20.5	19.8	27.7	18.2	18.9	18.2	24.0
LTE B66	5	100.00%	24.0	24.6	23.9	26.9	27.6	26.9	24.6	21.8	22.5	21.8	24.0
LTE B71	0	100.00%	24.3	29.7	29.0	26.5	27.8	27.1	30.9	26.1	26.8	26.1	24.3
LTE B71	1	100.00%	24.3	27.8	27.1	26.5	27.2	26.5	24.2	27.0	27.7	27.0	24.3
FR1 n2	2	100.00%	24.0	31.3	30.6	17.4	18.2	17.5	31.1	17.1	17.9	17.2	24.0
FR1 n2	1	100.00%	24.0	20.3	19.6	23.3	24.0	23.3	16.2	20.5	21.9	21.2	24.0
FR1 n2	0	100.00%	24.0	30.7	30.0	19.0	19.7	19.0	26.7	18.7	19.4	18.7	24.0
FR1 n2	5	100.00%	24.0	28.2	27.5	23.7	24.4	23.7	22.7	22.6	23.3	22.6	24.0
FR1 n5	0	100.00%	24.3	29.6	28.9	26.1	26.8	26.1	28.5	26.1	26.8	26.1	24.3
FR1 n5	1	100.00%	24.3	22.0	21.3	24.8	25.5	24.8	22.8	26.2	26.9	26.2	24.3
FR1 n7	2	100.00%	24.1	34.2	33.5	17.1	18.1	17.4	35.8	18.5	19.2	18.5	24.1
FR1 n7	1	100.00%	24.1	22.7	22.0	21.9	22.6	21.9	16.0	20.0	21.5	20.8	24.1
FR1 n12	0	100.00%	24.3	31.4	30.7	26.8	27.7	27.0	30.9	25.6	26.3	25.6	24.3
FR1 n12	1	100.00%	24.3	22.7	22.0	24.6	25.3	24.6	25.3	26.1	26.8	26.1	24.3
FR1 n14	0	100.00%	24.3	29.5	28.8	26.3	27.3	26.6	28.8	24.0	24.7	24.0	24.3
FR1 n14	1	100.00%	24.3	25.9	25.2	26.2	26.9	26.2	23.7	27.6	28.3	27.6	24.3
FR1 n25	2	100.00%	24.0	31.3	30.6	17.4	18.2	17.5	31.1	17.1	17.9	17.2	24.0
FR1 n25	1	100.00%	24.0	20.3	19.6	23.3	24.0	23.3	16.2	20.5	21.9	21.2	24.0
FR1 n25	0	100.00%	24.0	30.7	30.0	19.0	19.7	19.0	26.7	18.7	19.4	18.7	24.0
FR1 n25	5	100.00%	24.0	28.2	27.5	23.7	24.4	23.7	22.7	22.6	23.3	22.6	24.0
FR1 n26	0	100.00%	24.3	29.6	28.9	26.1	26.8	26.1	28.5	26.1	26.8	26.1	24.3
FR1 n26	1	100.00%	24.3	22.0	21.3	24.8	25.5	24.8	22.8	26.2	26.9	26.2	24.3
FR1 n30	2	100.00%	23.7	31.8	31.1	17.1	17.8	17.1	35.6	17.8	19.0	18.3	23.7
FR1 n30	1	100.00%	23.7	23.4	22.7	23.8	24.5	23.8	17.1	21.7	22.4	21.7	23.7
FR1 n38(PC3)	2	100.00%	24.1	31.8	31.1	16.3	17.7	17.0	35.0	16.7	18.2	17.5	24.1
FR1 n38(PC3)	1	100.00%	24.1	20.9	20.2	21.9	22.6	21.9	16.8	21.0	22.3	21.6	24.1
FR1 n38(PC3)	0	100.00%	24.1	26.6	25.9	21.6	22.7	22.0	28.4	21.4	22.1	21.4	24.1
FR1 n38(PC3)	5	100.00%	24.1	23.7	23.0	24.5	25.2	24.5	25.1	22.6	23.3	22.6	24.1
FR1 n41(PC3)	2	100.00%	24.0	31.8	31.1	16.3	17.7	17.0	35.0	16.7	18.2	17.5	24.0
FR1 n41(PC3)	1	100.00%	24.0	20.9	20.2	21.9	22.6	21.9	16.8	21.0	22.3	21.6	24.0
FR1 n41(PC3)	0	100.00%	24.0	26.6	25.9	21.6	22.7	22.0	28.4	21.4	22.1	21.4	24.0
FR1 n41(PC3)	5	100.00%	24.0	23.7	23.0	24.5	25.2	24.5	25.1	22.6	23.3	22.6	24.0
FR1 n41(PC2)	2	50.00%	23.0	31.8	31.1	16.3	17.7	17.0	35.0	16.7	18.2	17.5	23.0
FR1 n41(PC2)	1	50.00%	23.0	20.9	20.2	21.9	22.6	21.9	16.8	21.0	22.3	21.6	23.0
FR1 n41(PC2)	0	50.00%	23.0	26.6	25.9	21.6	22.7	22.0	28.4	21.4	22.1	21.4	23.0
FR1 n41(PC2)	5	50.00%	23.0	23.7	23.0	24.5	25.2	24.5	25.1	22.6	23.3	22.6	23.0
FR1 n41_ULMIMO(PC1.5)	2	25.00%	20.0	31.8	31.1	16.3	17.7	17.0	35.0	16.7	18.2	17.5	20.0
FR1 n41_ULMIMO(PC1.5)	1	25.00%	20.0	20.9	20.2	21.9	22.6	21.9	16.8	21.0	22.3	21.6	20.0
FR1 n41_ULMIMO(PC1.5)	0	25.00%	20.0	26.6	25.9	21.6	22.7	22.0	28.4	21.4	22.1	21.4	20.0
FR1 n41_ULMIMO(PC1.5)	5	25.00%	20.0	23.7	23.0	24.5	25.2	24.5	25.1	22.6	23.3	22.6	20.0
FR1 n48_ULMIMO(PC3)	6	100.00%	23.5	32.3	31.6	20.7	21.4	20.7	27.8	19.5	20.2	19.5	23.5
FR1 n48_ULMIMO(PC3)	1	100.00%	22.5	15.7	15.0	21.2	21.9	21.2	15.2	20.5	22.1	21.4	22.5
FR1 n48_ULMIMO(PC3)	2	100.00%	23.5	33.7	33.0	19.5	20.2	19.5	32.3	18.8	20.2	19.5	23.5
FR1 n48_ULMIMO(PC3)	5	100.00%	23.5	25.2	24.5	24.5	25.2	24.5	21.1	20.4	21.1	20.4	23.5
FR1 n66	2	100.00%	24.0	32.1	31.4	17.8	18.5	17.8	30.1	18.2	18.9	18.2	24.0
FR1 n66	1	100.00%	24.0	20.3	19.6	25.8	27.3	26.6	20.8	25.3	26.0	25.3	24.0
FR1 n66	0	100.00%	24.0	29.5	28.8	19.8	20.5	19.8	27.8	18.0	18.7	18.0	24.0
FR1 n66	5	100.00%	24.0	27.6	26.9	30.1	30.8	30.1	26.2	22.8	23.5	22.8	24.0
FR1 n70	2	100.00%	23.7	32.7	32.0	17.8	18.5	17.8	30.6	19.0	19.7	19.0	23.7



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FR1 n70	1	100.00%	23.7	22.1	21.4	27.4	28.1	27.4	20.8	23.2	23.9	23.2	23.7
FR1 n71	0	100.00%	24.3	32.1	31.4	25.7	27.2	26.5	30.8	26.2	26.9	26.2	24.3
FR1 n71	1	100.00%	24.3	27.6	26.9	26.0	26.7	26.0	24.2	26.4	27.1	26.4	24.3
FR1 n77(PC3)	6	100.00%	24.0	24.9	24.2	20.6	21.3	20.6	26.6	19.2	19.9	19.2	24.0
FR1 n77(PC3)	1	100.00%	23.0	15.7	15.0	20.5	21.2	20.5	13.7	19.8	21.1	20.4	23.0
FR1 n77(PC3)	2	100.00%	24.0	34.0	33.3	19.2	19.9	19.2	29.6	19.1	19.8	19.1	24.0
FR1 n77(PC3)	5	100.00%	24.0	23.7	23.0	23.8	24.5	23.8	20.0	20.8	21.5	20.8	24.0
FR1 n77(PC2)	6	50.00%	23.0	24.9	24.2	20.6	21.3	20.6	26.6	19.2	19.9	19.2	23.0
FR1 n77(PC2)	1	50.00%	22.0	15.7	15.0	20.5	21.2	20.5	13.7	19.8	21.1	20.4	22.0
FR1 n77(PC2)	2	50.00%	23.0	34.0	33.3	19.2	19.9	19.2	29.6	19.1	19.8	19.1	23.0
FR1 n77(PC2)	5	50.00%	23.0	23.7	23.0	23.8	24.5	23.8	20.0	20.8	21.5	20.8	23.0
FR1 n77_ULMIMO(PC1.5)	6	25.00%	20.0	24.9	24.2	20.6	21.3	20.6	26.6	19.2	19.9	19.2	20.0
FR1 n77_ULMIMO(PC1.5)	1	25.00%	19.0	15.7	15.0	20.5	21.2	20.5	13.7	19.8	21.1	20.4	19.0
FR1 n77_ULMIMO(PC1.5)	2	25.00%	20.0	34.0	33.3	19.2	19.9	19.2	29.6	19.1	19.8	19.1	20.0
FR1 n77_ULMIMO(PC1.5)	5	25.00%	20.0	23.7	23.0	23.8	24.5	23.8	20.0	20.8	21.5	20.8	20.0
FR1 n78(PC3)	6	100.00%	24.0	24.9	24.2	20.6	21.3	20.6	26.6	19.2	19.9	19.2	24.0
FR1 n78(PC3)	1	100.00%	23.0	15.7	15.0	20.5	21.2	20.5	13.7	19.8	21.1	20.4	23.0
FR1 n78(PC3)	2	100.00%	24.0	34.0	33.3	19.2	19.9	19.2	29.6	19.1	19.8	19.1	24.0
FR1 n78(PC3)	5	100.00%	24.0	23.7	23.0	23.8	24.5	23.8	20.0	20.8	21.5	20.8	24.0
FR1 n78(PC2)	6	50.00%	23.0	24.9	24.2	20.6	21.3	20.6	26.6	19.2	19.9	19.2	23.0
FR1 n78(PC2)	1	50.00%	22.0	15.7	15.0	20.5	21.2	20.5	13.7	19.8	21.1	20.4	22.0
FR1 n78(PC2)	2	50.00%	23.0	34.0	33.3	19.2	19.9	19.2	29.6	19.1	19.8	19.1	23.0
FR1 n78(PC2)	5	50.00%	23.0	23.7	23.0	23.8	24.5	23.8	20.0	20.8	21.5	20.8	23.0
FR1 n78_ULMIMO(PC1.5)	6	25.00%	20.0	24.9	24.2	20.6	21.3	20.6	26.6	19.2	19.9	19.2	20.0
FR1 n78_ULMIMO(PC1.5)	1	25.00%	19.0	15.7	15.0	20.5	21.2	20.5	13.7	19.8	21.1	20.4	19.0
FR1 n78_ULMIMO(PC1.5)	2	25.00%	20.0	34.0	33.3	19.2	19.9	19.2	29.6	19.1	19.8	19.1	20.0
FR1 n78_ULMIMO(PC1.5)	5	25.00%	20.0	23.7	23.0	23.8	24.5	23.8	20.0	20.8	21.5	20.8	20.0
NTN B23	1	83.00%	22.9				23.0				21.3		22.9
NTN B255	4	83.00%	22.7				23.2				20.6		22.7

4. RF Exposure Limits

4.1 Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

4.2 Controlled Environment

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. The exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

1. Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

4.3 RF Exposure limit for above 6GHz

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

5. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards, the below KDB standard may not including in the TAF code without accreditation.

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 941225 D01 3G SAR Procedures v03r01
- FCC KDB 941225 D05 SAR for LTE Devices v02r05
- FCC KDB 941225 D05A Rel.10 LTE SAR Test Guidance v01r02
- FCC KDB 941225 D06 Hotspot Mode SAR v02r01
- FCC KDB 941225 D07 UMPC Mini Tablet v01r02
- IEC/IEEE 62209-1528:2020
- SPEAG DASY6 System Handbook
- SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)

6. Specific Absorption Rate (SAR)

6.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

6.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

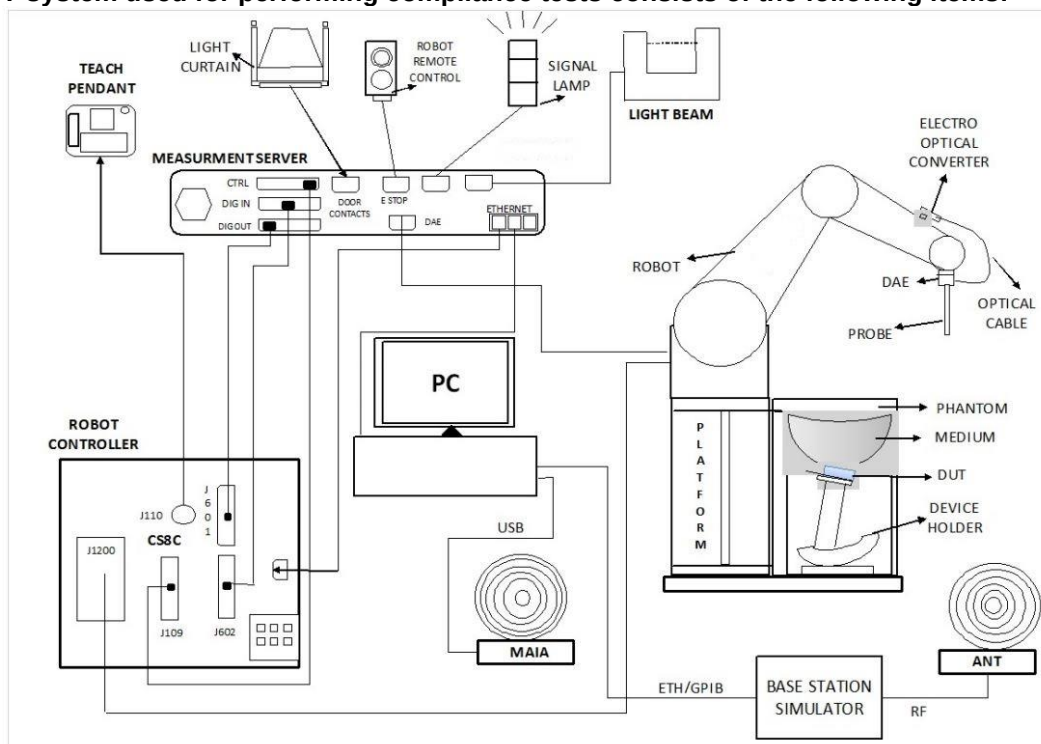
SAR is expressed in units of Watts per kilogram (W/kg)

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

7. System Description and Setup

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



- The DASY system in SAR Configuration is shown above
- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running windows software and the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

7.1 Test Site Location

The SAR measurement facilities used to collect data are within both Sporton Lab list below test site location are accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190 and 3786) and the FCC designation No. TW1190 and TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test.

Laboratory	EMC & Wireless Communications Laboratory		Wensan Laboratory					
Test Site Location	TW1190		TW3786					
	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan		No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan					
Test Site No.	SAR01-HY	SAR03-HY	SAR08-HY	SAR09-HY	SAR15-HY	SAR18-HY	SAR21-HY	
	SAR04-HY	SAR05-HY	SAR11-HY	SAR12-HY	SAR16-HY	SAR19-HY	SAR22-HY	
	SAR06-HY	SAR10-HY	SAR13-HY	SAR14-HY	SAR17-HY	SAR20-HY		

7.2 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

<ES3DV3 Probe>

Construction	Symmetric design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – 4 GHz; Linearity: ± 0.2 dB (30 MHz – 4 GHz)	
Directivity	± 0.2 dB in TSL (rotation around probe axis) ± 0.3 dB in TSL (rotation normal to probe axis)	
Dynamic Range	5 μ W/g – >100 mW/g; Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 3.9 mm (body: 12 mm) Distance from probe tip to dipole centers: 3.0 mm	

<EX3DV4 Probe>

Construction	Symmetric design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – >6 GHz Linearity: ± 0.2 dB (30 MHz – 6 GHz)	
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)	
Dynamic Range	10 μ W/g – >100 mW/g Linearity: ± 0.2 dB (noise: typically <1 μ W/g)	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 2.5 mm (body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

7.3 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.



Fig 5.1 Photo of DAE

7.4 Phantom

<SAM Twin Phantom>

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm	
Filling Volume	Approx. 25 liters	
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet	
Measurement Areas	Left Hand, Right Hand, Flat Phantom	

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

<ELI Phantom>

Shell Thickness	2 ± 0.2 mm (sagging: <1%)	
Filling Volume	Approx. 30 liters	
Dimensions	Major ellipse axis: 600 mm Minor axis: 400 mm	

The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

7.5 Device Holder

<Mounting Device for Hand-Held Transmitter>

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). And upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.



Mounting Device for Hand-Held Transmitters



Mounting Device Adaptor for Wide-Phones

<Mounting Device for Laptops and other Body-Worn Transmitters>

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the mounting device in place of the phone positioned. The extension is fully compatible with the SAM Twin and ELI phantoms.



Mounting Device for Laptops

8. Measurement Procedures

The measurement procedures are as follows:

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix D demonstrates.
- (c) Set scan area, grid size and other setting on the DASY software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

8.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

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

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

8.2 Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

8.3 Area Scan

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB0) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.

Area scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}	≤ 2 GHz: ≤ 15 mm $2 - 3$ GHz: ≤ 12 mm	$3 - 4$ GHz: ≤ 12 mm $4 - 6$ GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

8.4 Zoom Scan

Zoom scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 gram and 10 gram of simulated tissue. The zoom scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the zoom scan evaluates the averaged SAR for 1 gram and 10 gram and displays these values next to the job's label.

Zoom scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

8.5 Volume Scan Procedures

The volume scan is used to assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

8.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASy measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

9. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	1012	Aug. 22, 2024	Aug. 21, 2025
SPEAG	835MHz System Validation Kit	D835V2	499	Aug. 22, 2024	Aug. 21, 2025
SPEAG	835MHz System Validation Kit	D835V2	4d060	Feb. 17, 2025	Feb. 16, 2026
SPEAG	1640MHz System Validation Kit ⁽²⁾	D1640V2	346	Aug. 19, 2022	Aug. 16, 2025
SPEAG	1750MHz System Validation Kit ⁽²⁾	D1750V2	1120	Mar. 12, 2025	Mar. 09, 2028
SPEAG	1750MHz System Validation Kit ⁽²⁾	D1750V2	1068	Nov. 21, 2022	Nov. 18, 2025
SPEAG	1900MHz System Validation Kit	D1900V2	5d041	Aug. 15, 2024	Aug. 14, 2025
SPEAG	1900MHz System Validation Kit ⁽²⁾	D1900V2	5d185	Jun. 17, 2022	Jun. 14, 2025
SPEAG	2000MHz System Validation Kit	D2000V2	1070	Mar. 13, 2025	Mar. 12, 2026
SPEAG	2300MHz System Validation Kit	D2300V2	1088	Jul. 10, 2024	Jul. 09, 2025
SPEAG	2450MHz System Validation Kit	D2450V2	736	Aug. 15, 2024	Aug. 14, 2025
SPEAG	2600MHz System Validation Kit ⁽²⁾	D2600V2	1078	Jun. 23, 2022	Jun. 20, 2025
SPEAG	2600MHz System Validation Kit ⁽²⁾	D2600V2	1089	Mar. 13, 2025	Mar. 10, 2028
SPEAG	3500MHz System Validation Kit	D3500V2	1014	Jan. 15, 2025	Jan. 14, 2026
SPEAG	3500MHz System Validation Kit ⁽²⁾	D3500V2	1036	Mar. 11, 2025	Mar. 08, 2028
SPEAG	3700MHz System Validation Kit	D3700V2	1022	Jul. 10, 2024	Jul. 09, 2025
SPEAG	3900MHz System Validation Kit ⁽²⁾	D3900V2	1017	Apr. 22, 2022	Apr. 19, 2025
SPEAG	3900MHz System Validation Kit ⁽²⁾	D3900V2	1092	May. 15, 2023	May. 13, 2025
SPEAG	5GHz System Validation Kit ⁽²⁾	D5GHzV2	1171	Apr. 19, 2024	Apr. 17, 2026
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1003	Mar. 14, 2025	Mar. 13, 2026
SPEAG	13MHz System Validation Kit ⁽²⁾	CLA13	1011	Jul. 10, 2023	Jul. 08, 2025
SPEAG	5G Verification Source	10GHz	1020	Jan. 14, 2025	Jan. 13, 2026
SPEAG	EUmmWV Probe Tip Protection	EUmmWV3	9424	Mar. 14, 2025	Mar. 13, 2026
SPEAG	Data Acquisition Electronics	DAE4	778	Jan. 15, 2025	Jan. 14, 2026
SPEAG	Data Acquisition Electronics	DAE4	853	Aug. 07, 2024	Aug. 06, 2025
SPEAG	Data Acquisition Electronics	DAE4	1311	Sep. 16, 2024	Sep. 15, 2025
SPEAG	Data Acquisition Electronics	DAE4	1326	Jul. 15, 2024	Jul. 14, 2025
SPEAG	Data Acquisition Electronics	DAE4ip	1823	Jul. 15, 2024	Jul. 14, 2025
SPEAG	Dosimetric E-Field Probe	ES3DV3	3169	May. 24, 2024	May. 23, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3642	Apr. 25, 2024	Apr. 24, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3898	Jul. 11, 2024	Jul. 10, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3925	Apr. 24, 2024	Apr. 23, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7306	Aug. 21, 2024	Aug. 20, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7822	Sep. 03, 2024	Sep. 02, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7902	Dec. 16, 2024	Dec. 15, 2025
Testo	Hygro meter	608-H1	45196600	Oct. 28, 2024	Oct. 27, 2025
Anritsu	Radio Communication Analyzer	MT8821C	6201341950	Nov. 12, 2024	Nov. 11, 2025
Keysight	5G Wireless Test Platform	E7515B	MY58300712	Apr. 22, 2024	Apr. 21, 2025
R&S	BT Base Station	CBT	101136	Oct. 20, 2024	Oct. 19, 2025
R&S	Wideband Radio Communication Tester	CMX500	101931	Sep. 23, 2024	Sep. 22, 2025
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3710A	6201502524	Sep. 24, 2024	Sep. 23, 2025
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Dielectric Probe Kit	DAK-3.5	1126	Sep. 17, 2024	Sep. 16, 2025
SPEAG	Dielectric Probe Kit	DAK-12	1156	Jul. 15, 2024	Jul. 14, 2025
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3690	Aug. 07, 2024	Aug. 06, 2025
Anritsu	Power Meter	ML2495A	1419002	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Power Sensor	MA2411B	1911176	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 09, 2024	Jul. 08, 2025
Mini-Circuits	Power Amplifier	ZVE-8G+	6418	Oct. 23, 2024	Oct. 22, 2025
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
Warison	Directional Coupler	WCOU-10-50S-10	WR889BMC4B1	Note 1	
Woken	Attenuator 1	WK0602-XX	N/A	Note 1	
PE	Attenuator 2	PE7005-10	N/A	Note 1	
PE	Attenuator 3	PE7005- 3	N/A	Note 1	

General Note:

- Prior to system verification and validation, the path loss from the signal generator to the system check source and the power meter, which includes the amplifier, cable, attenuator and directional coupler, was measured by the network analyzer. The reading of the power meter was offset by the path loss difference between the path to the power meter and the path to the system check source to monitor the actual power level fed to the system check source.
- The dipole calibration interval can be extended to 3 years with justification according to KDB 865664 D01. The dipoles are also not physically damaged, or repaired during the interval. The justification data in appendix C can be found which the return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration for each dipole.

10. System Verification

10.1 Tissue Verification

The tissue dielectric parameters of tissue-equivalent media used for SAR measurements must be characterized within a temperature range of 18°C to 25°C, measured with calibrated instruments and apparatuses, such as network analyzers and temperature probes. The temperature of the tissue-equivalent medium during SAR measurement must also be within 18°C to 25°C and within $\pm 2^\circ\text{C}$ of the temperature when the tissue parameters are characterized. The tissue dielectric measurement system must be calibrated before use. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements.

The liquid tissue depth was at least 15cm in the phantom for all SAR testing

<Tissue Dielectric Parameter Check Results>

WWAN									
Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target (σ)	Permittivity Target (ϵ_r)	Delta (σ) (%)	Delta (ϵ_r) (%)	Limit (%)	Date
750	22.5	0.869	42.400	0.89	41.90	-2.36	1.19	± 5	2025/3/14
750	22.4	0.892	41.800	0.89	41.90	0.22	-0.24	± 5	2025/3/14
750	22.7	0.891	41.800	0.89	41.90	0.11	-0.24	± 5	2025/3/15
750	22.4	0.898	42.100	0.89	41.90	0.90	0.48	± 5	2025/3/22
750	22.6	0.874	42.200	0.89	41.90	-1.80	0.72	± 5	2025/3/25
750	22.2	0.907	41.700	0.89	41.90	1.91	-0.48	± 5	2025/3/27
750	22.8	0.873	41.700	0.89	41.90	-1.91	-0.48	± 5	2025/3/29
750	22.2	0.890	43.500	0.89	41.90	0.00	3.82	± 5	2025/4/1
750	22.2	0.893	42.000	0.89	41.90	0.34	0.24	± 5	2025/4/1
750	22.3	0.901	41.900	0.89	41.90	1.24	0.00	± 5	2025/4/26
835	22.5	0.897	41.900	0.90	41.50	-0.33	0.96	± 5	2025/3/13
835	22.3	0.926	41.600	0.90	41.50	2.89	0.24	± 5	2025/3/13
835	22.6	0.933	41.900	0.90	41.50	3.67	0.96	± 5	2025/3/21
835	22.4	0.911	41.800	0.90	41.50	1.22	0.72	± 5	2025/3/24
835	22.4	0.943	41.500	0.90	41.50	4.78	0.00	± 5	2025/3/28
835	22.8	0.905	41.500	0.90	41.50	0.56	0.00	± 5	2025/3/29
835	22.2	0.920	42.900	0.90	41.50	2.22	3.37	± 5	2025/4/1
835	22.8	0.911	42.100	0.90	41.50	1.22	1.45	± 5	2025/4/9
835	22.3	0.906	42.400	0.90	41.50	0.67	2.17	± 5	2025/4/25
835	22.3	0.937	41.600	0.90	41.50	4.11	0.24	± 5	2025/4/26
1640	22.2	1.310	40.300	1.31	40.23	0.00	0.17	± 5	2025/4/29
1750	22.3	1.340	39.800	1.37	40.10	-2.19	-0.75	± 5	2025/3/16
1750	22.6	1.380	40.800	1.37	40.10	0.73	1.75	± 5	2025/3/16
1750	22.1	1.360	40.600	1.37	40.10	-0.73	1.25	± 5	2025/3/18
1750	22.8	1.380	41.000	1.37	40.10	0.73	2.24	± 5	2025/3/18
1750	22.5	1.370	39.800	1.37	40.10	0.00	-0.75	± 5	2025/3/26
1750	22.3	1.350	40.900	1.37	40.10	-1.46	2.00	± 5	2025/3/30
1750	22.5	1.370	40.300	1.37	40.10	0.00	0.50	± 5	2025/3/30
1750	22.5	1.350	39.200	1.37	40.10	-1.46	-2.24	± 5	2025/4/2
1750	22.4	1.400	41.200	1.37	40.10	2.19	2.74	± 5	2025/4/6
1750	22.6	1.390	41.100	1.37	40.10	1.46	2.49	± 5	2025/4/8
1750	22.6	1.370	40.700	1.37	40.10	0.00	1.50	± 5	2025/4/10
1750	22.7	1.350	40.900	1.37	40.10	-1.46	2.00	± 5	2025/4/11
1750	22.5	1.380	40.600	1.37	40.10	0.73	1.25	± 5	2025/4/15
1750	22.7	1.360	40.200	1.37	40.10	-0.73	0.25	± 5	2025/4/17
1750	22.5	1.360	40.700	1.37	40.10	-0.73	1.50	± 5	2025/4/18
1750	22.8	1.320	39.200	1.37	40.10	-3.65	-2.24	± 5	2025/4/21
1750	22.5	1.370	39.400	1.37	40.10	0.00	-1.75	± 5	2025/4/23
1900	22.5	1.420	39.300	1.40	40.00	1.43	-1.75	± 5	2025/3/15
1900	22.1	1.430	39.000	1.40	40.00	2.14	-2.50	± 5	2025/3/17
1900	22.7	1.430	39.400	1.40	40.00	2.14	-1.50	± 5	2025/3/17



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1900	22.5	1.390	39.700	1.40	40.00	-0.71	-0.75	±5	2025/3/26
1900	22.2	1.390	39.600	1.40	40.00	-0.71	-1.00	±5	2025/3/28
1900	22.6	1.410	38.800	1.40	40.00	0.71	-3.00	±5	2025/3/29
1900	22.3	1.420	40.800	1.40	40.00	1.43	2.00	±5	2025/3/30
1900	22.5	1.400	39.800	1.40	40.00	0.00	-0.50	±5	2025/4/2
1900	22.8	1.400	40.000	1.40	40.00	0.00	0.00	±5	2025/4/4
1900	22.7	1.440	39.500	1.40	40.00	2.86	-1.25	±5	2025/4/7
1900	22.6	1.390	40.600	1.40	40.00	-0.71	1.50	±5	2025/4/10
1900	22.9	1.430	39.400	1.40	40.00	2.14	-1.50	±5	2025/4/10
1900	22.5	1.390	40.500	1.40	40.00	-0.71	1.25	±5	2025/4/15
1900	22.7	1.430	40.100	1.40	40.00	2.14	0.25	±5	2025/4/17
1900	22.5	1.430	40.600	1.40	40.00	2.14	1.50	±5	2025/4/18
1900	22.8	1.400	39.000	1.40	40.00	0.00	-2.50	±5	2025/4/21
1900	22.5	1.390	39.300	1.40	40.00	-0.71	-1.75	±5	2025/4/23
2000	22.6	1.440	38.800	1.40	40.00	2.86	-3.00	±5	2025/4/30
2300	22.2	1.680	39.300	1.67	39.50	0.60	-0.51	±5	2025/3/20
2300	22.3	1.650	39.500	1.67	39.50	-1.20	0.00	±5	2025/3/20
2300	22.5	1.690	39.700	1.67	39.50	1.20	0.51	±5	2025/3/27
2300	22.3	1.670	39.700	1.67	39.50	0.00	0.51	±5	2025/3/30
2300	22.3	1.640	39.300	1.67	39.50	-1.80	-0.51	±5	2025/4/2
2300	22.7	1.720	40.300	1.67	39.50	2.99	2.03	±5	2025/4/3
2300	22.5	1.680	40.500	1.67	39.50	0.60	2.53	±5	2025/4/13
2300	22.3	1.650	39.800	1.67	39.50	-1.20	0.76	±5	2025/4/16
2300	22.5	1.630	39.700	1.67	39.50	-2.40	0.51	±5	2025/4/20
2600	22.2	2.030	38.200	1.96	39.00	3.57	-2.05	±5	2025/3/19
2600	22.9	1.990	38.300	1.96	39.00	1.53	-1.79	±5	2025/3/19
2600	22.3	2.000	38.400	1.96	39.00	2.04	-1.54	±5	2025/3/23
2600	22.4	1.970	38.000	1.96	39.00	0.51	-2.56	±5	2025/3/25
2600	22.5	2.040	38.500	1.96	39.00	4.08	-1.28	±5	2025/3/27
2600	22.2	2.030	38.400	1.96	39.00	3.57	-1.54	±5	2025/3/28
2600	22.3	2.010	38.500	1.96	39.00	2.55	-1.28	±5	2025/3/30
2600	22.5	1.960	39.800	1.96	39.00	0.00	2.05	±5	2025/3/31
2600	22.6	2.020	38.900	1.96	39.00	3.06	-0.26	±5	2025/3/31
2600	22.7	2.040	39.000	1.96	39.00	4.08	0.00	±5	2025/4/3
2600	22.6	1.970	38.000	1.96	39.00	0.51	-2.56	±5	2025/4/3
2600	22.7	1.960	38.000	1.96	39.00	0.00	-2.56	±5	2025/4/4
2600	22.5	1.960	38.000	1.96	39.00	0.00	-2.56	±5	2025/4/9
2600	22.4	2.020	39.100	1.96	39.00	3.06	0.26	±5	2025/4/12
2600	22.2	2.010	38.800	1.96	39.00	2.55	-0.51	±5	2025/4/12
2600	22.5	2.000	39.200	1.96	39.00	2.04	0.51	±5	2025/4/13
2600	22.3	1.980	38.700	1.96	39.00	1.02	-0.77	±5	2025/4/13
2600	22.6	1.990	39.300	1.96	39.00	1.53	0.77	±5	2025/4/14
2600	22.3	1.970	38.700	1.96	39.00	0.51	-0.77	±5	2025/4/16
2600	22.5	1.940	38.500	1.96	39.00	-1.02	-1.28	±5	2025/4/20
2600	22.7	1.930	38.400	1.96	39.00	-1.53	-1.54	±5	2025/4/22
2600	22.2	1.980	38.900	1.96	39.00	1.02	-0.26	±5	2025/4/24
2600	22.3	1.940	38.600	1.96	39.00	-1.02	-1.03	±5	2025/4/26
3500	22.5	2.870	37.800	2.91	37.90	-1.37	-0.26	±5	2025/3/24
3500	22.7	2.880	37.700	2.91	37.90	-1.03	-0.53	±5	2025/3/26
3500	22.7	2.970	38.100	2.91	37.90	2.06	0.53	±5	2025/4/5
3500	22.5	2.950	38.300	2.91	37.90	1.37	1.06	±5	2025/4/6
3500	22.3	2.940	37.700	2.91	37.90	1.03	-0.53	±5	2025/4/7
3500	22.5	2.900	37.300	2.91	37.90	-0.34	-1.58	±5	2025/4/8
3500	22.6	2.910	38.100	2.91	37.90	0.00	0.53	±5	2025/4/16
3500	22.8	2.880	37.800	2.91	37.90	-1.03	-0.26	±5	2025/4/18
3500	22.2	2.880	37.100	2.91	37.90	-1.03	-2.11	±5	2025/4/19

3500	22.3	2.870	37.000	2.91	37.90	-1.37	-2.37	±5	2025/4/20
3500	22.5	2.860	37.500	2.91	37.90	-1.72	-1.06	±5	2025/4/20
3500	22.6	3.010	38.200	2.91	37.90	3.44	0.79	±5	2025/4/21
3500	22.4	3.020	36.900	2.91	37.90	3.78	-2.64	±5	2025/4/22
3500	22.4	2.870	37.600	2.91	37.90	-1.37	-0.79	±5	2025/4/23
3500	22.6	2.900	37.800	2.91	37.90	-0.34	-0.26	±5	2025/4/24
3500	22.7	2.880	37.600	2.91	37.90	-1.03	-0.79	±5	2025/4/25
3700	22.4	3.060	38.600	3.12	37.70	-1.92	2.39	±5	2025/3/21
3700	22.4	3.030	38.500	3.12	37.70	-2.88	2.12	±5	2025/3/22
3700	22.8	3.060	37.400	3.12	37.70	-1.92	-0.80	±5	2025/3/23
3700	22.5	3.060	37.600	3.12	37.70	-1.92	-0.27	±5	2025/3/24
3700	22.7	3.070	37.700	3.12	37.70	-1.60	0.00	±5	2025/3/26
3700	22.7	3.180	37.900	3.12	37.70	1.92	0.53	±5	2025/4/5
3700	22.8	3.080	37.800	3.12	37.70	-1.28	0.27	±5	2025/4/5
3700	22.5	3.160	38.100	3.12	37.70	1.28	1.06	±5	2025/4/6
3700	22.3	3.140	37.500	3.12	37.70	0.64	-0.53	±5	2025/4/7
3700	22.5	3.110	37.000	3.12	37.70	-0.32	-1.86	±5	2025/4/8
3700	22.1	3.090	37.900	3.12	37.70	-0.96	0.53	±5	2025/4/14
3700	22.2	3.090	36.900	3.12	37.70	-0.96	-2.12	±5	2025/4/19
3700	22.3	3.070	36.700	3.12	37.70	-1.60	-2.65	±5	2025/4/20
3700	22.5	3.060	37.300	3.12	37.70	-1.92	-1.06	±5	2025/4/20
3700	22.6	3.220	38.000	3.12	37.70	3.21	0.80	±5	2025/4/21
3700	22.4	3.230	36.700	3.12	37.70	3.53	-2.65	±5	2025/4/22
3700	22.4	3.070	37.400	3.12	37.70	-1.60	-0.80	±5	2025/4/23
3700	22.6	3.100	37.600	3.12	37.70	-0.64	-0.27	±5	2025/4/24
3700	22.7	3.080	37.400	3.12	37.70	-1.28	-0.80	±5	2025/4/25
3900	22.8	3.230	37.800	3.33	37.51	-3.00	0.77	±5	2025/3/23
3900	22.5	3.370	37.800	3.33	37.51	1.20	0.77	±5	2025/4/6
3900	22.3	3.350	37.200	3.33	37.51	0.60	-0.83	±5	2025/4/7
3900	22.5	3.290	37.800	3.33	37.51	-1.20	0.77	±5	2025/4/15
3900	22.7	3.250	37.500	3.33	37.51	-2.40	-0.03	±5	2025/4/17
3900	22.3	3.270	36.500	3.33	37.51	-1.80	-2.69	±5	2025/4/20
3900	22.6	3.430	37.700	3.33	37.51	3.00	0.51	±5	2025/4/21
3900	22.4	3.440	36.400	3.33	37.51	3.30	-2.96	±5	2025/4/22
3900	22.4	3.280	37.100	3.33	37.51	-1.50	-1.09	±5	2025/4/23
3900	22.6	3.310	37.300	3.33	37.51	-0.60	-0.56	±5	2025/4/24
3900	22.7	3.290	37.200	3.33	37.51	-1.20	-0.83	±5	2025/4/25

WLAN									
Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε _r)	Conductivity Target (σ)	Permittivity Target (ε _r)	Delta (σ) (%)	Delta (ε _r) (%)	Limit (%)	Date
13	22.1	0.728	54.800	0.75	55.00	-2.93	-0.36	±5	2025/4/22
2450	22.6	1.830	39.800	1.80	39.20	1.67	1.53	±5	2025/3/21
2450	22.2	1.810	38.700	1.80	39.20	0.56	-1.28	±5	2025/3/25
2450	22.4	1.800	38.700	1.80	39.20	0.00	-1.28	±5	2025/4/3
2450	22.2	1.720	38.900	1.80	39.20	-4.44	-0.77	±5	2025/4/4
2450	22.3	1.840	38.700	1.80	39.20	2.22	-1.28	±5	2025/4/15
2450	22.6	1.780	38.600	1.80	39.20	-1.11	-1.53	±5	2025/5/6
5250	22.8	4.750	36.100	4.71	35.95	0.85	0.42	±5	2025/3/22
5250	22.3	4.640	36.200	4.71	35.95	-1.49	0.70	±5	2025/3/23
5250	22.6	4.620	36.000	4.71	35.95	-1.91	0.14	±5	2025/3/24
5250	22.4	4.730	35.800	4.71	35.95	0.42	-0.42	±5	2025/4/6
5250	22.5	4.610	35.500	4.71	35.95	-2.12	-1.25	±5	2025/4/8
5250	22.1	4.600	35.500	4.71	35.95	-2.34	-1.25	±5	2025/5/7
5600	22.8	5.160	35.500	5.07	35.50	1.78	0.00	±5	2025/3/22



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5600	22.3	4.980	35.800	5.07	35.50	-1.78	0.85	±5	2025/3/23
5600	22.6	4.950	35.600	5.07	35.50	-2.37	0.28	±5	2025/3/24
5600	22.4	5.130	35.200	5.07	35.50	1.18	-0.85	±5	2025/4/6
5600	22.5	5.000	34.900	5.07	35.50	-1.38	-1.69	±5	2025/4/8
5600	22.1	4.980	34.900	5.07	35.50	-1.78	-1.69	±5	2025/5/7
5800	22.8	5.410	35.200	5.27	35.30	2.66	-0.28	±5	2025/3/22
5800	22.3	5.190	35.500	5.27	35.30	-1.52	0.57	±5	2025/3/23
5800	22.6	5.170	35.300	5.27	35.30	-1.90	0.00	±5	2025/3/24
5800	22.4	5.380	34.900	5.27	35.30	2.09	-1.13	±5	2025/4/6
5800	22.5	5.220	34.600	5.27	35.30	-0.95	-1.98	±5	2025/4/8
5800	22.1	5.210	34.500	5.27	35.30	-1.14	-2.27	±5	2025/5/7
6500	22.5	6.120	34.700	6.07	34.50	0.82	0.58	±5	2025/3/26
6500	22.5	6.060	34.500	6.07	34.50	-0.16	0.00	±5	2025/3/27
6500	22.6	6.090	34.100	6.07	34.50	0.33	-1.16	±5	2025/4/9
6500	22.4	6.100	34.100	6.07	34.50	0.49	-1.16	±5	2025/5/8



10.2 System Performance Check Results

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10 %. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

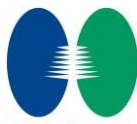
WWAN														
Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR-06	2025/3/14	750	50	D750V3-1012	EX3DV4 - SN3925	DAE4 Sn778	0.419	8.400	8.38	-0.24	0.278	5.410	5.56	2.77
SAR-01	2025/3/14	750	50	D750V3-1012	EX3DV4 - SN7902	DAE4 Sn1326	0.427	8.400	8.54	1.67	0.280	5.410	5.6	3.51
SAR-06	2025/3/15	750	50	D750V3-1012	EX3DV4 - SN3925	DAE4 Sn778	0.418	8.400	8.36	-0.48	0.278	5.410	5.56	2.77
SAR-01	2025/3/22	750	50	D750V3-1012	EX3DV4 - SN7902	DAE4 Sn1326	0.431	8.400	8.62	2.62	0.284	5.410	5.68	4.99
SAR-04	2025/3/25	750	50	D750V3-1012	ES3DV3 - SN3169	DAE4 Sn1311	0.400	8.400	8	-4.76	0.271	5.410	5.42	0.18
SAR-01	2025/3/27	750	50	D750V3-1012	EX3DV4 - SN7902	DAE4 Sn1326	0.436	8.400	8.72	3.81	0.288	5.410	5.76	6.47
SAR-04	2025/3/29	750	50	D750V3-1012	ES3DV3 - SN3169	DAE4 Sn1311	0.411	8.400	8.22	-2.14	0.273	5.410	5.46	0.92
SAR-04	2025/4/1	750	50	D750V3-1012	ES3DV3 - SN3169	DAE4 Sn1311	0.415	8.400	8.3	-1.19	0.275	5.410	5.5	1.66
SAR-01	2025/4/1	750	50	D750V3-1012	EX3DV4 - SN7902	DAE4 Sn1326	0.434	8.400	8.68	3.33	0.285	5.410	5.7	5.36
SAR-01	2025/4/26	750	250	D750V3-1012	EX3DV4 - SN7902	DAE4 Sn1326	2.170	8.400	8.68	3.33	1.420	5.410	5.68	4.99
SAR-06	2025/3/13	835	50	D835V2-499	EX3DV4 - SN3925	DAE4 Sn778	0.504	9.440	10.08	6.78	0.332	6.050	6.64	9.75
SAR-01	2025/3/13	835	50	D835V2-499	EX3DV4 - SN7902	DAE4 Sn1326	0.498	9.440	9.96	5.51	0.322	6.050	6.44	6.45
SAR-01	2025/3/21	835	50	D835V2-499	EX3DV4 - SN7902	DAE4 Sn1326	0.503	9.440	10.06	6.57	0.323	6.050	6.46	6.78
SAR-04	2025/3/24	835	50	D835V2-499	ES3DV3 - SN3169	DAE4 Sn1311	0.475	9.440	9.5	0.64	0.319	6.050	6.38	5.45
SAR-01	2025/3/28	835	50	D835V2-499	EX3DV4 - SN7902	DAE4 Sn1326	0.504	9.440	10.08	6.78	0.324	6.050	6.48	7.11
SAR-04	2025/3/29	835	50	D835V2-4d060	ES3DV3 - SN3169	DAE4 Sn1311	0.465	9.280	9.3	0.22	0.307	6.010	6.14	2.16
SAR-04	2025/4/1	835	50	D835V2-4d060	ES3DV3 - SN3169	DAE4 Sn1311	0.463	9.280	9.26	-0.22	0.303	6.010	6.06	0.83
SAR-04	2025/4/9	835	50	D835V2-4d060	ES3DV3 - SN3169	DAE4 Sn1311	0.476	9.280	9.52	2.59	0.312	6.010	6.24	3.83
SAR-04	2025/4/25	835	50	D835V2-499	ES3DV3 - SN3169	DAE4 Sn1311	0.479	9.440	9.58	1.48	0.316	6.050	6.32	4.46
SAR-01	2025/4/26	835	250	D835V2-499	EX3DV4 - SN7902	DAE4 Sn1326	2.420	9.440	9.68	2.54	1.570	6.050	6.28	3.80
SAR-03	2025/4/29	1640	50	D1640V2-346	EX3DV4 - SN3898	DAE4 Sn778	1.840	34.600	36.8	6.36	0.998	18.600	19.96	7.31
SAR-06	2025/3/16	1750	50	D1750V2-1068	EX3DV4 - SN3925	DAE4 Sn778	1.790	36.700	35.8	-2.45	0.970	19.300	19.4	0.52
SAR-01	2025/3/16	1750	50	D1750V2-1068	EX3DV4 - SN7902	DAE4 Sn1326	1.870	36.700	37.4	1.91	1.000	19.300	20	3.63
SAR-06	2025/3/18	1750	50	D1750V2-1068	EX3DV4 - SN3925	DAE4 Sn778	1.780	36.700	35.6	-3.00	0.960	19.300	19.2	-0.52
SAR-01	2025/3/18	1750	50	D1750V2-1068	EX3DV4 - SN7902	DAE4 Sn1326	1.880	36.700	37.6	2.45	1.010	19.300	20.2	4.66
SAR-04	2025/3/26	1750	50	D1750V2-1068	ES3DV3 - SN3169	DAE4 Sn1311	1.680	36.700	33.6	-8.45	0.934	19.300	18.68	-3.21
SAR-04	2025/3/30	1750	50	D1750V2-1068	ES3DV3 - SN3169	DAE4 Sn1311	1.770	36.700	35.4	-3.54	0.964	19.300	19.28	-0.10
SAR-01	2025/3/30	1750	50	D1750V2-1068	EX3DV4 - SN7902	DAE4 Sn1326	1.860	36.700	37.2	1.36	0.994	19.300	19.88	3.01
SAR-04	2025/4/2	1750	50	D1750V2-1068	ES3DV3 - SN3169	DAE4 Sn1311	1.750	36.700	35	-4.63	0.957	19.300	19.14	-0.83
SAR-01	2025/4/6	1750	50	D1750V2-1120	EX3DV4 - SN7902	DAE4 Sn1326	1.910	36.400	38.2	4.95	1.020	19.100	20.4	6.81
SAR-01	2025/4/8	1750	50	D1750V2-1120	EX3DV4 - SN7902	DAE4 Sn1326	1.900	36.400	38	4.40	1.020	19.100	20.4	6.81
SAR-04	2025/4/10	1750	50	D1750V2-1120	ES3DV3 - SN3169	DAE4 Sn1311	1.790	36.400	35.8	-1.65	0.978	19.100	19.56	2.41
SAR-01	2025/4/11	1750	50	D1750V2-1120	EX3DV4 - SN7902	DAE4 Sn1326	1.850	36.400	37	1.65	0.991	19.100	19.82	3.77
SAR-04	2025/4/15	1750	50	D1750V2-1068	ES3DV3 - SN3169	DAE4 Sn1311	1.690	36.700	33.8	-7.90	0.894	19.300	17.88	-7.36
SAR-04	2025/4/17	1750	50	D1750V2-1120	ES3DV3 - SN3169	DAE4 Sn1311	1.660	36.400	33.2	-8.79	0.896	19.100	17.92	-6.18
SAR-04	2025/4/18	1750	50	D1750V2-1120	ES3DV3 - SN3169	DAE4 Sn1311	1.770	36.400	35.4	-2.75	0.968	19.100	19.36	1.36
SAR-03	2025/4/21	1750	50	D1750V2-1068	EX3DV4 - SN3898	DAE4 Sn778	1.890	36.700	37.8	3.00	1.030	19.300	20.6	6.74
SAR-04	2025/4/23	1750	50	D1750V2-1068	ES3DV3 - SN3169	DAE4 Sn1311	1.720	36.700	34.4	-6.27	0.924	19.300	18.48	-4.25
SAR-01	2025/3/15	1900	50	D1900V2-5d041	EX3DV4 - SN7902	DAE4 Sn1326	2.020	39.200	40.4	3.06	1.060	20.700	21.2	2.42
SAR-06	2025/3/17	1900	50	D1900V2-5d185	EX3DV4 - SN3925	DAE4 Sn778	2.000	39.000	40	2.56	1.050	20.400	21	2.94
SAR-01	2025/3/17	1900	50	D1900V2-5d041	EX3DV4 - SN7902	DAE4 Sn1326	2.040	39.200	40.8	4.08	1.060	20.700	21.2	2.42
SAR-04	2025/3/26	1900	50	D1900V2-5d185	ES3DV3 - SN3169	DAE4 Sn1311	1.840	39.000	36.8	-5.64	0.995	20.400	19.9	-2.45
SAR-04	2025/3/28	1900	50	D1900V2-5d041	ES3DV3 - SN3169	DAE4 Sn1311	1.870	39.200	37.4	-4.59	1.000	20.700	20	-3.38
SAR-01	2025/3/29	1900	50	D1900V2-5d041	EX3DV4 - SN7902	DAE4 Sn1326	2.010	39.200	40.2	2.55	1.050	20.700	21	1.45
SAR-04	2025/3/30	1900	50	D1900V2-5d041	ES3DV3 - SN3169	DAE4 Sn1311	1.910	39.200	38.2	-2.55	1.020	20.700	20.4	-1.45
SAR-04	2025/4/2	1900	50	D1900V2-5d041	ES3DV3 - SN3169	DAE4 Sn1311	1.840	39.200	36.8	-6.12	0.997	20.700	19.94	-3.67
SAR-04	2025/4/4	1900	50	D1900V2-5d185	ES3DV3 - SN3169	DAE4 Sn1311	1.800	39.000	36	-7.69	0.955	20.400	19.1	-6.37
SAR-01	2025/4/7	1900	50	D1900V2-5d041	EX3DV4 - SN7902	DAE4 Sn1326	2.040	39.200	40.8	4.08	1.070	20.700	21.4	3.38



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SAR-04	2025/4/10	1900	50	D1900V2-5d041	ES3DV3 - SN3169	DAE4 Sn1311	1.850	39.200	37	-5.61	0.986	20.700	19.72	-4.73
SAR-01	2025/4/10	1900	50	D1900V2-5d041	EX3DV4 - SN7902	DAE4 Sn1326	2.020	39.200	40.4	3.06	1.060	20.700	21.2	2.42
SAR-04	2025/4/15	1900	50	D1900V2-5d041	ES3DV3 - SN3169	DAE4 Sn1311	1.780	39.200	35.6	-9.18	0.936	20.700	18.72	-9.57
SAR-04	2025/4/17	1900	50	D1900V2-5d041	ES3DV3 - SN3169	DAE4 Sn1311	1.830	39.200	36.6	-6.63	0.964	20.700	19.28	-6.86
SAR-04	2025/4/18	1900	50	D1900V2-5d041	ES3DV3 - SN3169	DAE4 Sn1311	1.820	39.200	36.4	-7.14	0.958	20.700	19.16	-7.44
SAR-03	2025/4/21	1900	50	D1900V2-5d041	EX3DV4 - SN3898	DAE4 Sn778	2.050	39.200	41	4.59	1.080	20.700	21.6	4.35
SAR-04	2025/4/23	1900	50	D1900V2-5d041	ES3DV3 - SN3169	DAE4 Sn1311	1.810	39.200	36.2	-7.65	0.950	20.700	19	-8.21
SAR-03	2025/4/30	2000	50	D2000V2-1070	EX3DV4 - SN3898	DAE4 Sn778	2.190	41.000	43.8	6.83	1.130	21.300	22.6	6.10
SAR-06	2025/3/20	2300	50	D2300V2-1088	EX3DV4 - SN3925	DAE4 Sn778	2.310	48.200	46.2	-4.15	1.120	23.300	22.4	-3.86
SAR-01	2025/3/20	2300	50	D2300V2-1088	EX3DV4 - SN7902	DAE4 Sn1326	2.340	48.200	46.8	-2.90	1.130	23.300	22.6	-3.00
SAR-04	2025/3/27	2300	50	D2300V2-1088	ES3DV3 - SN3169	DAE4 Sn1311	2.290	48.200	45.8	-4.98	1.150	23.300	23	-1.29
SAR-04	2025/3/30	2300	50	D2300V2-1088	ES3DV3 - SN3169	DAE4 Sn1311	2.190	48.200	43.8	-9.13	1.100	23.300	22	-5.58
SAR-01	2025/4/2	2300	50	D2300V2-1088	EX3DV4 - SN7902	DAE4 Sn1326	2.320	48.200	46.4	-3.73	1.120	23.300	22.4	-3.86
SAR-04	2025/4/3	2300	50	D2300V2-1088	ES3DV3 - SN3169	DAE4 Sn1311	2.360	48.200	47.2	-2.07	1.170	23.300	23.4	0.43
SAR-04	2025/4/13	2300	50	D2300V2-1088	ES3DV3 - SN3169	DAE4 Sn1311	2.200	48.200	44	-8.71	1.070	23.300	21.4	-8.15
SAR-04	2025/4/16	2300	50	D2300V2-1088	ES3DV3 - SN3169	DAE4 Sn1311	2.250	48.200	45	-6.64	1.150	23.300	23	-1.29
SAR-03	2025/4/20	2300	50	D2300V2-1088	EX3DV4 - SN3898	DAE4 Sn778	2.370	48.200	47.4	-1.66	1.150	23.300	23	-1.29
SAR-06	2025/3/19	2600	50	D2600V2-1078	EX3DV4 - SN3925	DAE4 Sn778	2.690	55.400	53.8	-2.89	1.220	24.900	24.4	-2.01
SAR-01	2025/3/19	2600	50	D2600V2-1078	EX3DV4 - SN7902	DAE4 Sn1326	2.780	55.400	55.6	0.36	1.250	24.900	25	0.40
SAR-01	2025/3/23	2600	50	D2600V2-1078	EX3DV4 - SN7902	DAE4 Sn1326	2.800	55.400	56	1.08	1.260	24.900	25.2	1.20
SAR-01	2025/3/25	2600	50	D2600V2-1078	EX3DV4 - SN7902	DAE4 Sn1326	2.750	55.400	55	-0.72	1.240	24.900	24.8	-0.40
SAR-04	2025/3/27	2600	50	D2600V2-1078	ES3DV3 - SN3169	DAE4 Sn1311	2.570	55.400	51.4	-7.22	1.220	24.900	24.4	-2.01
SAR-04	2025/3/28	2600	50	D2600V2-1078	ES3DV3 - SN3169	DAE4 Sn1311	2.630	55.400	52.6	-5.05	1.240	24.900	24.8	-0.40
SAR-04	2025/3/30	2600	50	D2600V2-1078	ES3DV3 - SN3169	DAE4 Sn1311	2.670	55.400	53.4	-3.61	1.250	24.900	25	0.40
SAR-04	2025/3/31	2600	50	D2600V2-1078	ES3DV3 - SN3169	DAE4 Sn1311	2.600	55.400	52	-6.14	1.220	24.900	24.4	-2.01
SAR-01	2025/3/31	2600	50	D2600V2-1078	EX3DV4 - SN7902	DAE4 Sn1326	2.830	55.400	56.6	2.17	1.270	24.900	25.4	2.01
SAR-04	2025/4/3	2600	50	D2600V2-1089	ES3DV3 - SN3169	DAE4 Sn1311	2.710	55.400	54.2	-2.17	1.270	24.600	25.4	3.25
SAR-01	2025/4/3	2600	50	D2600V2-1089	EX3DV4 - SN7902	DAE4 Sn1326	2.750	55.400	55	-0.72	1.240	24.600	24.8	0.81
SAR-01	2025/4/4	2600	50	D2600V2-1089	EX3DV4 - SN7902	DAE4 Sn1326	2.740	55.400	54.8	-1.08	1.240	24.600	24.8	0.81
SAR-01	2025/4/9	2600	50	D2600V2-1089	EX3DV4 - SN7902	DAE4 Sn1326	2.730	55.400	54.6	-1.44	1.230	24.600	24.6	0.00
SAR-04	2025/4/12	2600	50	D2600V2-1078	ES3DV3 - SN3169	DAE4 Sn1311	2.560	55.400	51.2	-7.58	1.180	24.900	23.6	-5.22
SAR-01	2025/4/12	2600	50	D2600V2-1089	EX3DV4 - SN7902	DAE4 Sn1326	2.810	55.400	56.2	1.44	1.270	24.600	25.4	3.25
SAR-04	2025/4/13	2600	50	D2600V2-1078	ES3DV3 - SN3169	DAE4 Sn1311	2.500	55.400	50	-9.75	1.150	24.900	23	-7.63
SAR-01	2025/4/13	2600	50	D2600V2-1089	EX3DV4 - SN7902	DAE4 Sn1326	2.770	55.400	55.4	0.00	1.250	24.600	25	1.63
SAR-04	2025/4/14	2600	50	D2600V2-1078	ES3DV3 - SN3169	DAE4 Sn1311	2.540	55.400	50.8	-8.30	1.160	24.900	23.2	-6.83
SAR-04	2025/4/16	2600	50	D2600V2-1078	ES3DV3 - SN3169	DAE4 Sn1311	2.520	55.400	50.4	-9.03	1.170	24.900	23.4	-6.02
SAR-03	2025/4/20	2600	50	D2600V2-1078	EX3DV4 - SN3898	DAE4 Sn778	2.790	55.400	55.8	0.72	1.270	24.900	25.4	2.01
SAR-03	2025/4/22	2600	50	D2600V2-1078	EX3DV4 - SN3898	DAE4 Sn778	2.650	55.400	53	-4.33	1.200	24.900	24	-3.61
SAR-04	2025/4/24	2600	50	D2600V2-1078	ES3DV3 - SN3169	DAE4 Sn1311	2.570	55.400	51.4	-7.22	1.170	24.900	23.4	-6.02
SAR-04	2025/4/26	2600	50	D2600V2-1089	ES3DV3 - SN3169	DAE4 Sn1311	2.580	55.400	51.6	-6.86	1.180	24.600	23.6	-4.07
SAR-01	2025/3/24	3500	50	D3500V2-1014	EX3DV4 - SN7902	DAE4 Sn1326	3.340	65.700	66.8	1.67	1.280	24.900	25.6	2.81
SAR-01	2025/3/26	3500	50	D3500V2-1014	EX3DV4 - SN7902	DAE4 Sn1326	3.330	65.700	66.6	1.37	1.280	24.900	25.6	2.81
SAR-05	2025/4/5	3500	50	D3500V2-1036	EX3DV4 - SN3642	DAE4 Sn1311	3.140	65.600	62.8	-4.27	1.170	24.900	23.4	-6.02
SAR-05	2025/4/6	3500	50	D3500V2-1036	EX3DV4 - SN3642	DAE4 Sn1311	3.100	65.600	62	-5.49	1.160	24.900	23.2	-6.83
SAR-05	2025/4/7	3500	50	D3500V2-1036	EX3DV4 - SN3642	DAE4 Sn1311	3.080	65.600	61.6	-6.10	1.150	24.900	23	-7.63
SAR-05	2025/4/8	3500	50	D3500V2-1036	EX3DV4 - SN3642	DAE4 Sn1311	3.060	65.600	61.2	-6.71	1.150	24.900	23	-7.63
SAR-01	2025/4/16	3500	50	D3500V2-1036	EX3DV4 - SN7902	DAE4 Sn1326	3.360	65.600	67.2	2.44	1.300	24.900	26	4.42
SAR-01	2025/4/18	3500	50	D3500V2-1036	EX3DV4 - SN7902	DAE4 Sn1326	3.330	65.600	66.6	1.52	1.280	24.900	25.6	2.81
SAR-01	2025/4/19	3500	50	D3500V2-1036	EX3DV4 - SN7902	DAE4 Sn1311	2.980	65.600	59.6	-9.15	1.160	24.900	23.2	-6.83
SAR-01	2025/4/20	3500	50	D3500V2-1036	EX3DV4 - SN7902	DAE4 Sn1311	3.000	65.600	60	-8.54	1.170	24.900	23.4	-6.02
SAR-03	2025/4/20	3500	50	D3500V2-1036	EX3DV4 - SN3898	DAE4 Sn778	3.540	65.600	70.8	7.93	1.360	24.900	27.2	9.24
SAR-01	2025/4/21	3500	50	D3500V2-1036	EX3DV4 - SN7902	DAE4 Sn1311	3.040	65.600	60.8	-7.32	1.180	24.900	23.6	-5.22
SAR-01	2025/4/22	3500	50	D3500V2-1036	EX3DV4 - SN7902	DAE4 Sn1311	3.050	65.600	61	-7.01	1.190	24.900	23.8	-4.42
SAR-03	2025/4/23	3500	50	D3500V2-1036	EX3DV4 - SN3898	DAE4 Sn778	3.450	65.600	69	5.18	1.340	24.900	26.8	7.63
SAR-03	2025/4/24	3500	50	D3500V2-1036	EX3DV4 - SN3898	DAE4 Sn778	3.460	65.600	69.2	5.49	1.350	24.900	27	8.43
SAR-03	2025/4/25	3500	50	D3500V2-1036	EX3DV4 - SN3898	DAE4 Sn778	3.470	65.600	69.4	5.79	1.350	24.900	27	8.43



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SAR-06	2025/3/21	3700	50	D3700V2-1022	EX3DV4 - SN3925	DAE4 Sn778	3.140	68.100	62.8	-7.78	1.190	25.200	23.8	-5.56
SAR-06	2025/3/22	3700	50	D3700V2-1022	EX3DV4 - SN3925	DAE4 Sn778	3.120	68.100	62.4	-8.37	1.190	25.200	23.8	-5.56
SAR-06	2025/3/23	3700	50	D3700V2-1022	EX3DV4 - SN3925	DAE4 Sn778	3.270	68.100	65.4	-3.96	1.250	25.200	25	-0.79
SAR-01	2025/3/24	3700	50	D3700V2-1022	EX3DV4 - SN7902	DAE4 Sn1326	3.370	68.100	67.4	-1.03	1.270	25.200	25.4	0.79
SAR-01	2025/3/26	3700	50	D3700V2-1022	EX3DV4 - SN7902	DAE4 Sn1326	3.340	68.100	66.8	-1.91	1.250	25.200	25	-0.79
SAR-05	2025/4/5	3700	50	D3700V2-1022	EX3DV4 - SN3642	DAE4 Sn1311	3.190	68.100	63.8	-6.31	1.180	25.200	23.6	-6.35
SAR-01	2025/4/5	3700	50	D3700V2-1022	EX3DV4 - SN7902	DAE4 Sn1326	3.350	68.100	67	-1.62	1.260	25.200	25.2	0.00
SAR-05	2025/4/6	3700	50	D3700V2-1022	EX3DV4 - SN3642	DAE4 Sn1311	3.200	68.100	64	-6.02	1.180	25.200	23.6	-6.35
SAR-05	2025/4/7	3700	50	D3700V2-1022	EX3DV4 - SN3642	DAE4 Sn1311	3.180	68.100	63.6	-6.61	1.170	25.200	23.4	-7.14
SAR-05	2025/4/8	3700	50	D3700V2-1022	EX3DV4 - SN3642	DAE4 Sn1311	3.160	68.100	63.2	-7.20	1.170	25.200	23.4	-7.14
SAR-01	2025/4/14	3700	50	D3700V2-1022	EX3DV4 - SN7902	DAE4 Sn1326	3.360	68.100	67.2	-1.32	1.260	25.200	25.2	0.00
SAR-01	2025/4/19	3700	50	D3700V2-1022	EX3DV4 - SN7902	DAE4 Sn1311	3.090	68.100	61.8	-9.25	1.160	25.200	23.2	-7.94
SAR-01	2025/4/20	3700	50	D3700V2-1022	EX3DV4 - SN7902	DAE4 Sn1311	3.110	68.100	62.2	-8.66	1.140	25.200	22.8	-9.52
SAR-03	2025/4/20	3700	50	D3700V2-1022	EX3DV4 - SN3898	DAE4 Sn778	3.390	68.100	67.8	-0.44	1.280	25.200	25.6	1.59
SAR-01	2025/4/21	3700	50	D3700V2-1022	EX3DV4 - SN7902	DAE4 Sn1311	3.140	68.100	62.8	-7.78	1.190	25.200	23.8	-5.56
SAR-01	2025/4/22	3700	50	D3700V2-1022	EX3DV4 - SN7902	DAE4 Sn1311	3.150	68.100	63	-7.49	1.190	25.200	23.8	-5.56
SAR-03	2025/4/23	3700	50	D3700V2-1022	EX3DV4 - SN3898	DAE4 Sn778	3.240	68.100	64.8	-4.85	1.220	25.200	24.4	-3.17
SAR-03	2025/4/24	3700	50	D3700V2-1022	EX3DV4 - SN3898	DAE4 Sn778	3.480	68.100	69.6	2.20	1.320	25.200	26.4	4.76
SAR-03	2025/4/25	3700	50	D3700V2-1022	EX3DV4 - SN3898	DAE4 Sn778	3.340	68.100	66.8	-1.91	1.270	25.200	25.4	0.79
SAR-06	2025/3/23	3900	50	D3900V2-1017	EX3DV4 - SN3925	DAE4 Sn778	3.370	68.700	67.4	-1.89	1.220	23.900	24.4	2.09
SAR-05	2025/4/6	3900	50	D3900V2-1017	EX3DV4 - SN3642	DAE4 Sn1311	3.110	68.700	62.2	-9.46	1.140	23.900	22.8	-4.60
SAR-05	2025/4/7	3900	50	D3900V2-1017	EX3DV4 - SN3642	DAE4 Sn1311	3.100	68.700	62	-9.75	1.140	23.900	22.8	-4.60
SAR-01	2025/4/15	3900	50	D3900V2-1092	EX3DV4 - SN7902	DAE4 Sn1326	3.240	67.000	64.8	-3.28	1.160	23.200	23.2	0.00
SAR-01	2025/4/17	3900	50	D3900V2-1092	EX3DV4 - SN7902	DAE4 Sn1326	3.200	67.000	64	-4.48	1.140	23.200	22.8	-1.72
SAR-01	2025/4/20	3900	50	D3900V2-1092	EX3DV4 - SN7902	DAE4 Sn1311	3.080	67.000	61.6	-8.06	1.070	23.200	21.4	-7.76
SAR-01	2025/4/21	3900	50	D3900V2-1092	EX3DV4 - SN7902	DAE4 Sn1311	3.110	67.000	62.2	-7.16	1.090	23.200	21.8	-6.03
SAR-01	2025/4/22	3900	50	D3900V2-1092	EX3DV4 - SN7902	DAE4 Sn1311	3.130	67.000	62.6	-6.57	1.120	23.200	22.4	-3.45
SAR-03	2025/4/23	3900	50	D3900V2-1092	EX3DV4 - SN3898	DAE4 Sn778	3.380	67.000	67.6	0.90	1.210	23.200	24.2	4.31
SAR-03	2025/4/24	3900	50	D3900V2-1092	EX3DV4 - SN3898	DAE4 Sn778	3.410	67.000	68.2	1.79	1.220	23.200	24.4	5.17
SAR-03	2025/4/25	3900	50	D3900V2-1092	EX3DV4 - SN3898	DAE4 Sn778	3.410	67.000	68.2	1.79	1.220	23.200	24.4	5.17

WLAN														
Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR-05	2025/4/22	13	1000	CLA13-1011	EX3DV4 - SN7306	DAE4 Sn853	0.554	0.544	0.554	2.59	0.342	0.340	0.342	0.59
SAR-10	2025/3/21	2450	50	D2450V2-736	EX3DV4 - SN7822	DAE4ip Sn1823	2.740	51.400	54.8	6.61	1.300	24.200	26	7.44
SAR-10	2025/3/25	2450	50	D2450V2-736	EX3DV4 - SN7822	DAE4ip Sn1823	2.670	51.400	53.4	3.89	1.270	24.200	25.4	4.96
SAR-10	2025/4/3	2450	50	D2450V2-736	EX3DV4 - SN7822	DAE4ip Sn1823	2.580	51.400	51.6	0.39	1.230	24.200	24.6	1.65
SAR-10	2025/4/4	2450	50	D2450V2-736	EX3DV4 - SN7822	DAE4ip Sn1823	2.590	51.400	51.8	0.78	1.230	24.200	24.6	1.65
SAR-10	2025/4/15	2450	50	D2450V2-736	EX3DV4 - SN7822	DAE4ip Sn1823	2.750	51.400	55	7.00	1.310	24.200	26.2	8.26
SAR-10	2025/5/6	2450	50	D2450V2-736	EX3DV4 - SN7822	DAE4ip Sn1823	2.680	51.400	53.6	4.28	1.270	24.200	25.4	4.96
SAR-10	2025/3/22	5250	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.890	78.700	77.8	-1.14	1.120	22.700	22.4	-1.32
SAR-10	2025/3/23	5250	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.810	78.700	76.2	-3.18	1.090	22.700	21.8	-3.96
SAR-10	2025/3/24	5250	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.660	78.700	73.2	-6.99	1.060	22.700	21.2	-6.61
SAR-10	2025/4/6	5250	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.940	78.700	78.8	0.13	1.140	22.700	22.8	0.44
SAR-10	2025/4/8	5250	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.780	78.700	75.6	-3.94	1.090	22.700	21.8	-3.96
SAR-10	2025/5/7	5250	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.820	78.700	76.4	-2.92	1.110	22.700	22.2	-2.20
SAR-10	2025/3/22	5600	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	4.270	81.400	85.4	4.91	1.210	23.400	24.2	3.42
SAR-10	2025/3/23	5600	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	4.080	81.400	81.6	0.25	1.160	23.400	23.2	-0.85
SAR-10	2025/3/24	5600	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	4.020	81.400	80.4	-1.23	1.140	23.400	22.8	-2.56
SAR-10	2025/4/6	5600	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	4.290	81.400	85.8	5.41	1.220	23.400	24.4	4.27
SAR-10	2025/4/8	5600	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	4.220	81.400	84.4	3.69	1.200	23.400	24	2.56
SAR-10	2025/5/7	5600	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	4.080	81.400	81.6	0.25	1.160	23.400	23.2	-0.85
SAR-10	2025/3/22	5800	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	4.100	78.900	82	3.93	1.160	22.400	23.2	3.57
SAR-10	2025/3/23	5800	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.900	78.900	78	-1.14	1.110	22.400	22.2	-0.89
SAR-10	2025/3/24	5800	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.790	78.900	75.8	-3.93	1.080	22.400	21.6	-3.57
SAR-10	2025/4/6	5800	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	4.000	78.900	80	1.39	1.150	22.400	23	2.68
SAR-10	2025/4/8	5800	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.910	78.900	78.2	-0.89	1.120	22.400	22.4	0.00
SAR-10	2025/5/7	5800	50	D5GHzV2-1171	EX3DV4 - SN7822	DAE4ip Sn1823	3.900	78.900	78	-1.14	1.110	22.400	22.2	-0.89
SAR-10	2025/3/26	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7822	DAE4ip Sn1823	31.100	294.000	311	5.78	5.750	54.700	57.5	5.12
SAR-10	2025/3/27	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7822	DAE4ip Sn1823	30.400	294.000	304	3.40	5.630	54.700	56.3	2.93
SAR-10	2025/4/9	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7822	DAE4ip Sn1823	30.300	294.000	303	3.06	5.590	54.700	55.9	2.19
SAR-10	2025/5/8	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7822	DAE4ip Sn1823	30.900	294.000	309	5.10	5.710	54.700	57.1	4.39

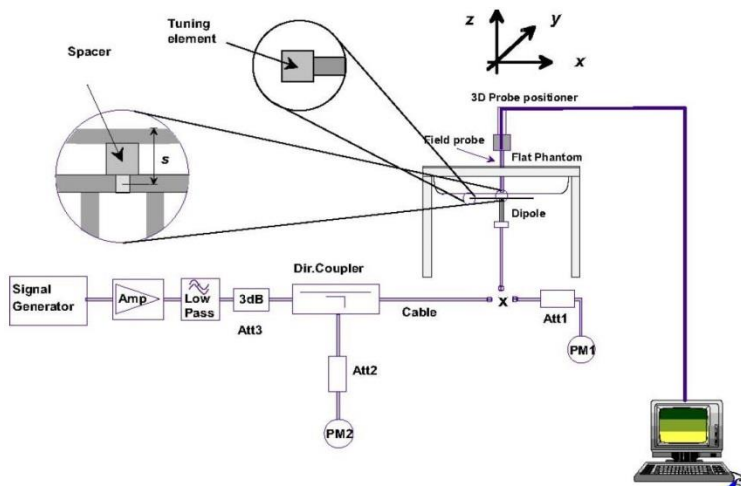

Fig 8.3.1 System Performance Check Setup

Fig 8.3.2 Setup Photo

10.3 PD System Performance Check Results

The system was verified to be within ± 0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check. The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes

Test Location	Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Measured 4 cm ² (W/m ²)	Targeted 4 cm ² (W/m ²)	Deviation (dB)	Date
SAR10-HY	10G	10GHz_1020	EUmmWV3 - SN9424	DAE4ip Sn1823	10	59.5	55.8	0.28	2025/4/24
SAR10-HY	10G	10GHz_1020	EUmmWV3 - SN9424	DAE4ip Sn1823	10	61.9	55.8	0.45	2025/4/25

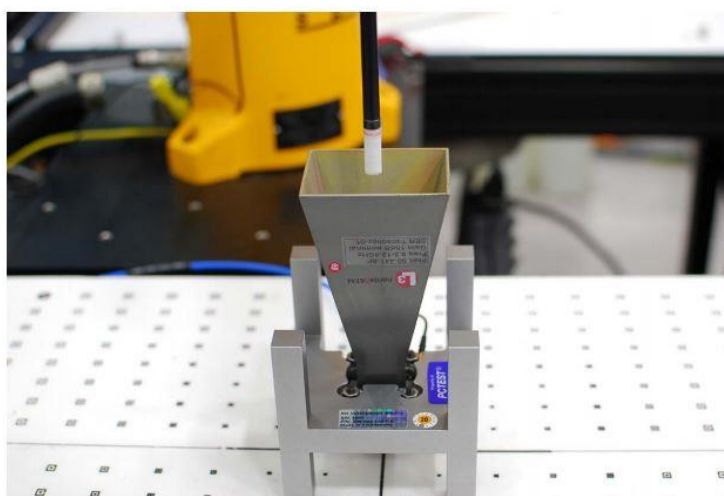


Figure 4-3
System Verification Setup Photo

System Performance Check Setup

11. RF Exposure Positions

11.1 Ear and handset reference point

Figure 9.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled "M," the left ear reference point (ERP) is marked "LE," and the right ERP is marked "RE." Each ERP is 15 mm along the B-M (back-mouth) line behind the entrance-to-ear-canal (EEC) point, as shown in Figure 9.1.2. The Reference Plane is defined as passing through the two ear reference points and point M. The line N-F (neck-front), also called the reference pivoting line, is normal to the Reference Plane and perpendicular to both a line passing through RE and LE and the B-M line (see Figure 9.1.3). Both N-F and B-M lines should be marked on the exterior of the phantom shell to facilitate handset positioning. Posterior to the N-F line the ear shape is a flat surface with 6 mm thickness at each ERP, and forward of the N-F line the ear is truncated, as illustrated in Figure 9.1.2. The ear truncation is introduced to preclude the ear lobe from interfering with handset tilt, which could lead to unstable positioning at the cheek.

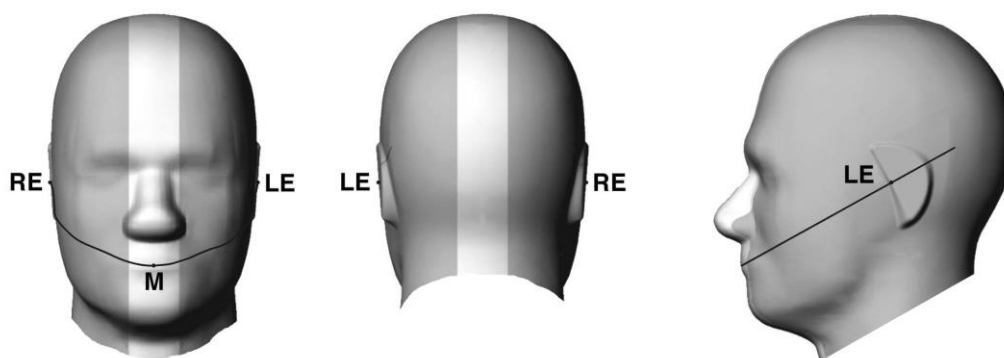


Fig 9.1.1 Front, back, and side views of SAM twin phantom

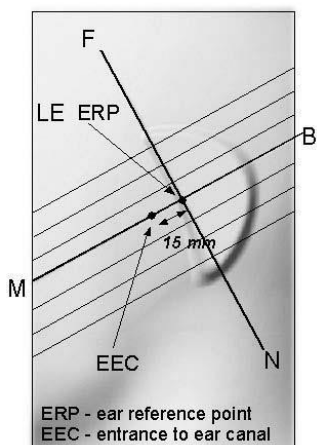


Fig 9.1.2 Close-up side view of phantom showing the ear region.

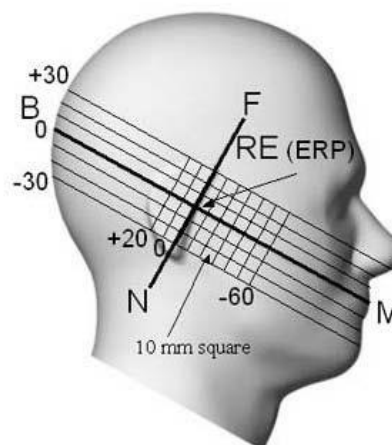


Fig 9.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

11.2 Definition of the cheek position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. Define two imaginary lines on the handset—the vertical centerline and the horizontal line. The vertical centerline passes through two points on the front side of the handset—the midpoint of the width w_t of the handset at the level of the acoustic output (point A in Figure 9.2.1 and Figure 9.2.2), and the midpoint of the width w_b of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Figure 9.2.1). The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset (see Figure 9.2.2), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
3. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 9.2.3), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
4. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP.
5. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
6. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.
7. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Figure 9.2.3. The actual rotation angles should be documented in the test report.

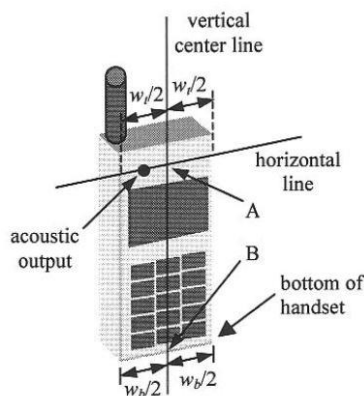


Fig 9.2.1 Handset vertical and horizontal reference lines—“fixed case”

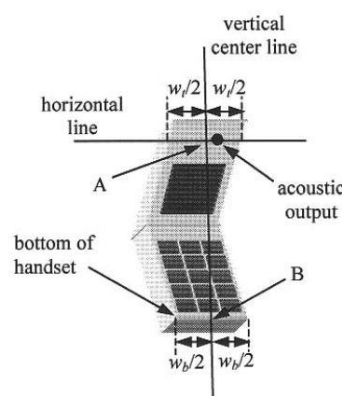


Fig 9.2.2 Handset vertical and horizontal reference lines—“clam-shell case”

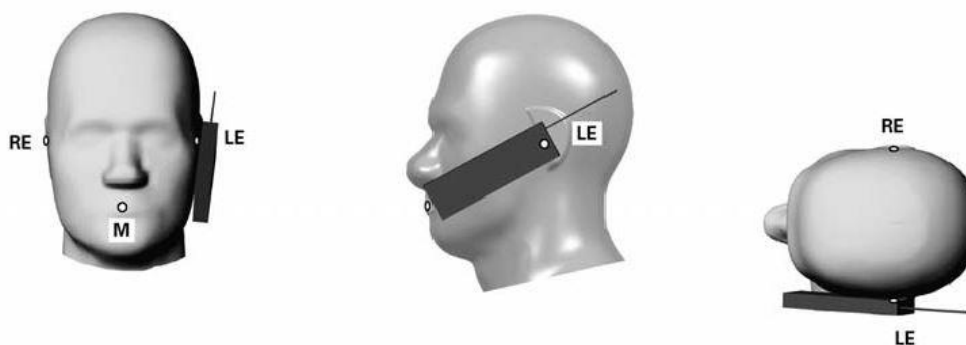


Fig 9.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

11.3 Definition of the tilt position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. While maintaining the orientation of the handset, move the handset away from the pinna along the line passing through RE and LE far enough to allow a rotation of the handset away from the cheek by 15°.
3. Rotate the handset around the horizontal line by 15°.
4. While maintaining the orientation of the handset, move the handset towards the phantom on the line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact point is on the pinna. See Figure 9.3.1. If contact occurs at any location other than the pinna, e.g., the antenna at the back of the phantom head, the angle of the handset should be reduced. In this case, the tilt position is obtained if any point on the handset is in contact with the pinna and a second point

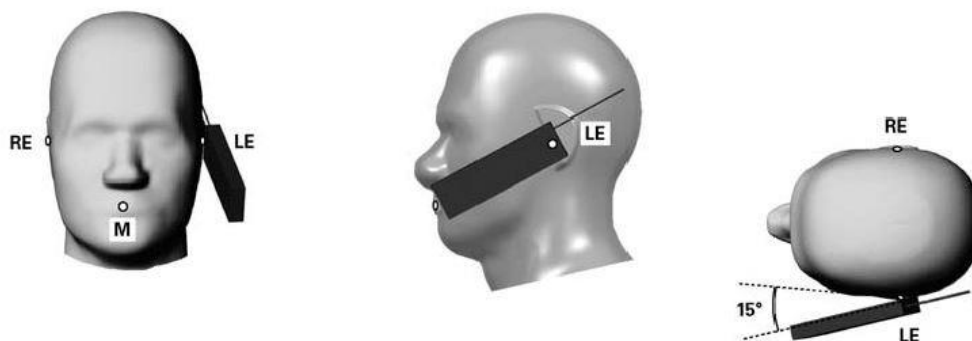


Fig 9.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

11.4 Body Worn Accessory

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 9.4). Per KDB648474 D04v01r03, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01v06 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is $> 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a handset attached to the handset.

Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are test with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-chip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

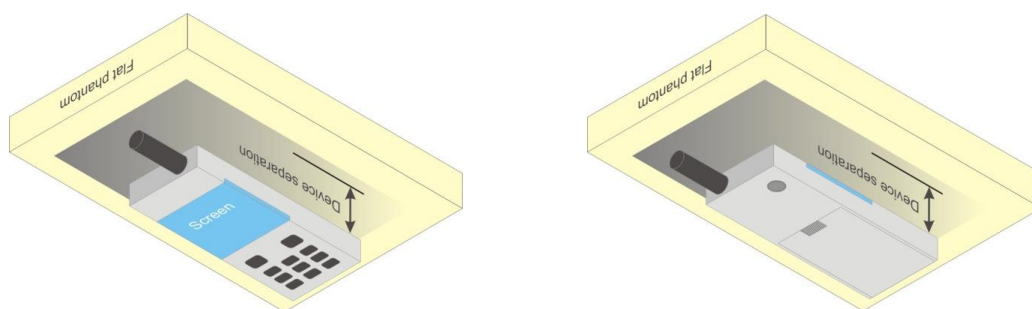


Fig 9.4 Body Worn Position

11.5 Product Specific Exposure

For smart phones with a display diagonal dimension $> 15.0 \text{ cm}$ or an overall diagonal dimension $> 16.0 \text{ cm}$ that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, According to KDB648474 D04v01r03, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at $\leq 25 \text{ mm}$ from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions.⁶ The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR $> 1.2 \text{ W/kg}$.

11.6 Wireless Router

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 v02r01 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D01v06 publication procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

12. DL/UL carrier aggregation

<LTE DL Carrier Aggregation>

General Note:

1. According to 202410 TCB workshop, the downlink (DL) pertains to receiver functionality, thus it is not related to RF exposure compliance limits related to cumulative effects of different transmitters.
2. According to 202410 TCB workshop, equipment authorization applications shall refer to the worst-case UL powers resulting from all the possible modes of operations. Accordingly, CA-DL cases do not need to be analyzed separately, unless pertinent to establishing UL power setting.
3. This device supports LTE carrier aggregation in the downlink. All uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded

<LTE UL carrier aggregation>

General Note:

1. The device supports intra-band uplink carrier aggregation with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
2. The device supports uplink carrier aggregation with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the 3GPP requirement.
3. According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
4. According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
5. Additional SAR measurement for LTE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

2CC Uplink Carrier Aggregation	
Number	Combination
1	5B
2	7C
3	66B
4	66C
5	38C
6	41C

Index 1/2/3/4/5/6/7/8/9/10/11										
CA_5B_Ant 0										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.27	24
20475	20574	QPSK	1	0	0	0	1	0	23.17	24
20600	20501	QPSK	1	0	0	0	1	0	23.15	24

Index 1/4/5/6/9/10/11										
CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.12	24
20475	20574	QPSK	1	0	0	0	1	0	23.04	24
20600	20501	QPSK	1	0	0	0	1	0	22.97	24

Index 2										
CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	22.61	24
20475	20574	QPSK	1	0	0	0	1	0	22.47	24
20600	20501	QPSK	1	0	0	0	1	0	22.54	24

Index 3										
CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	22.61	23.3
20475	20574	QPSK	1	0	0	0	1	0	22.47	23.3
20600	20501	QPSK	1	0	0	0	1	0	22.54	23.3

Index 7/8										
CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.49	23.8
20475	20574	QPSK	1	0	0	0	1	0	23.42	23.8
20600	20501	QPSK	1	0	0	0	1	0	23.47	23.8

Index 1/2/3/7/8										
CA_7C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	23.04	24
21100	20902	QPSK	1	0	0	0	1	0	23.00	24
21350	21152	QPSK	1	0	0	0	1	0	23.12	24

Index 4/6										
CA_7C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	17.09	17.8
21100	20902	QPSK	1	0	0	0	1	0	17.06	17.8
21350	21152	QPSK	1	0	0	0	1	0	17.05	17.8

Index 5										
CA_7C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	17.09	18.5
21100	20902	QPSK	1	0	0	0	1	0	17.06	18.5
21350	21152	QPSK	1	0	0	0	1	0	17.05	18.5

Index 9										
CA_7C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	18.58	18.9
21100	20902	QPSK	1	0	0	0	1	0	18.57	18.9
21350	21152	QPSK	1	0	0	0	1	0	18.55	18.9

Index 10										
CA_7C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	19.11	20.2
21100	20902	QPSK	1	0	0	0	1	0	19.06	20.2
21350	21152	QPSK	1	0	0	0	1	0	19.07	20.2

Index 11										
CA_7C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	19.11	19.5
21100	20902	QPSK	1	0	0	0	1	0	19.06	19.5
21350	21152	QPSK	1	0	0	0	1	0	19.07	19.5

Index 1										
CA_7C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	23.25	24
21100	20902	QPSK	1	0	0	0	1	0	23.04	24
21350	21152	QPSK	1	0	0	0	1	0	23.00	24

Index 2/3										
CA_7C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	23.21	24
21100	20902	QPSK	1	0	0	0	1	0	22.98	24
21350	21152	QPSK	1	0	0	0	1	0	22.96	24

Index 4/6										
CA_7C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	22.68	23.3
21100	20902	QPSK	1	0	0	0	1	0	22.39	23.3
21350	21152	QPSK	1	0	0	0	1	0	22.32	23.3

Index 5										
CA_7C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	22.68	24
21100	20902	QPSK	1	0	0	0	1	0	22.39	24
21350	21152	QPSK	1	0	0	0	1	0	22.32	24

Index 7/8										
CA_7C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	17.2	17.7
21100	20902	QPSK	1	0	0	0	1	0	16.84	17.7
21350	21152	QPSK	1	0	0	0	1	0	16.91	17.7

Index 9										
CA_7C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	20.74	21.3
21100	20902	QPSK	1	0	0	0	1	0	20.44	21.3
21350	21152	QPSK	1	0	0	0	1	0	20.36	21.3

Index 10										
CA_7C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	21.24	22.6
21100	20902	QPSK	1	0	0	0	1	0	20.90	22.6
21350	21152	QPSK	1	0	0	0	1	0	20.86	22.6

Index 11										
CA_7C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	21.24	21.9
21100	20902	QPSK	1	0	0	0	1	0	20.90	21.9
21350	21152	QPSK	1	0	0	0	1	0	20.86	21.9

Index 1/2/3/7/8										
CA_66B_Ant 2										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	23.18	24
132322	132229	QPSK	1	0	0	0	1	0	23.15	24
132597	132504	QPSK	1	0	0	0	1	0	23.05	24

Index 4/6										
CA_66B_Ant 2										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	17.70	18.4
132322	132229	QPSK	1	0	0	0	1	0	17.68	18.4
132597	132504	QPSK	1	0	0	0	1	0	17.66	18.4

Index 5										
CA_66B_Ant 2										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	17.70	19.1
132322	132229	QPSK	1	0	0	0	1	0	17.68	19.1
132597	132504	QPSK	1	0	0	0	1	0	17.66	19.1

Index 9										
CA_66B_Ant 2										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	18.51	18.9
132322	132229	QPSK	1	0	0	0	1	0	18.49	18.9
132597	132504	QPSK	1	0	0	0	1	0	18.46	18.9

Index 10										
CA_66B_Ant 2										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	19	19.9
132322	132229	QPSK	1	0	0	0	1	0	18.99	19.9
132597	132504	QPSK	1	0	0	0	1	0	18.96	19.9

Index 11										
CA_66B_Ant 2										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	19	19.2
132322	132229	QPSK	1	0	0	0	1	0	18.99	19.2
132597	132504	QPSK	1	0	0	0	1	0	18.96	19.2

Index 1/4/5/6/9/10/11										
CA_66B_Ant 1										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	23.24	24
132322	132229	QPSK	1	0	0	0	1	0	23.08	24
132597	132504	QPSK	1	0	0	0	1	0	23.00	24

Index 2										
CA_66B_Ant 1										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.51	21.7
132322	132229	QPSK	1	0	0	0	1	0	20.46	21.7
132597	132504	QPSK	1	0	0	0	1	0	20.37	21.7

Index 3										
CA_66B_Ant 1										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.51	21
132322	132229	QPSK	1	0	0	0	1	0	20.46	21
132597	132504	QPSK	1	0	0	0	1	0	20.37	21

Index 7/8										
CA_66B_Ant 1										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	19.00	19.2
132322	132229	QPSK	1	0	0	0	1	0	18.98	19.2
132597	132504	QPSK	1	0	0	0	1	0	18.80	19.2

Index 1/2/3/7/8										
CA_66C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	23.12	24
132322	132124	QPSK	1	0	0	0	1	0	23.01	24
132572	132374	QPSK	1	0	0	0	1	0	22.95	24

Index 4/6										
CA_66C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	17.66	18.4
132322	132124	QPSK	1	0	0	0	1	0	17.64	18.4
132572	132374	QPSK	1	0	0	0	1	0	17.58	18.4

Index 5										
CA_66C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	17.66	19.1
132322	132124	QPSK	1	0	0	0	1	0	17.64	19.1
132572	132374	QPSK	1	0	0	0	1	0	17.58	19.1

Index 9										
CA_66C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	18.56	18.9
132322	132124	QPSK	1	0	0	0	1	0	18.40	18.9
132572	132374	QPSK	1	0	0	0	1	0	18.48	18.9

Index 10										
CA_66C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	18.97	19.9
132322	132124	QPSK	1	0	0	0	1	0	18.90	19.9
132572	132374	QPSK	1	0	0	0	1	0	18.96	19.9

Index 11										
CA_66C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	18.97	19.2
132322	132124	QPSK	1	0	0	0	1	0	18.90	19.2
132572	132374	QPSK	1	0	0	0	1	0	18.96	19.2

Index 1/4/5/6/9/10/11										
CA_66C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	23.11	24
132322	132124	QPSK	1	0	0	0	1	0	22.85	24
132572	132374	QPSK	1	0	0	0	1	0	22.78	24

Index 2										
CA_66C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	20.56	21.7
132322	132124	QPSK	1	0	0	0	1	0	20.41	21.7
132572	132374	QPSK	1	0	0	0	1	0	20.45	21.7

Index 3										
CA_66C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	20.56	21
132322	132124	QPSK	1	0	0	0	1	0	20.41	21
132572	132374	QPSK	1	0	0	0	1	0	20.45	21

Index 7/8										
CA_66C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	19.04	19.2
132322	132124	QPSK	1	0	0	0	1	0	18.93	19.2
132572	132374	QPSK	1	0	0	0	1	0	18.95	19.2

Index 1/2/3/7/8										
CA_38C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	22.18	23
37901	38099	QPSK	1	0	0	0	1	0	22.08	23
38150	37952	QPSK	1	0	0	0	1	0	22.06	23

Index 4										
CA_38C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	19.19	19.6
37901	38099	QPSK	1	0	0	0	1	0	19.14	19.6
38150	37952	QPSK	1	0	0	0	1	0	19.06	19.6

Index 5										
CA_38C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	19.19	20.9
37901	38099	QPSK	1	0	0	0	1	0	19.14	20.9
38150	37952	QPSK	1	0	0	0	1	0	19.06	20.9

Index 6										
CA_38C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	19.19	20.2
37901	38099	QPSK	1	0	0	0	1	0	19.14	20.2
38150	37952	QPSK	1	0	0	0	1	0	19.06	20.2

Index 9										
CA_38C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	19.69	19.9
37901	38099	QPSK	1	0	0	0	1	0	19.64	19.9
38150	37952	QPSK	1	0	0	0	1	0	19.56	19.9

Index 10										
CA_38C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	19.69	20.7
37901	38099	QPSK	1	0	0	0	1	0	19.64	20.7
38150	37952	QPSK	1	0	0	0	1	0	19.56	20.7

Index 11										
CA_38C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	19.69	20
37901	38099	QPSK	1	0	0	0	1	0	19.64	20
38150	37952	QPSK	1	0	0	0	1	0	19.56	20

Index 1/4/5/6/9/10/11										
CA_38C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	22.12	23
37901	38099	QPSK	1	0	0	0	1	0	22.04	23
38150	37952	QPSK	1	0	0	0	1	0	22.23	23

Index 2/3										
CA_38C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	22.09	23
37901	38099	QPSK	1	0	0	0	1	0	22.01	23
38150	37952	QPSK	1	0	0	0	1	0	22.18	23

Index 7/8										
CA_38C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	19.03	19.8
37901	38099	QPSK	1	0	0	0	1	0	19.02	19.8
38150	37952	QPSK	1	0	0	0	1	0	19.22	19.8

Index 1/2/3										
CA_41C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.02	23
40185	39987	QPSK	1	0	0	0	1	0	22.08	23
40620	40422	QPSK	1	0	0	0	1	0	22.00	23
41055	40857	QPSK	1	0	0	0	1	0	22.13	23
41490	41292	QPSK	1	0	0	0	1	0	22.22	23

Index 4										
CA_41C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	18.97	19.7
40185	39987	QPSK	1	0	0	0	1	0	19.09	19.7
40620	40422	QPSK	1	0	0	0	1	0	19.05	19.7
41055	40857	QPSK	1	0	0	0	1	0	19.18	19.7
41490	41292	QPSK	1	0	0	0	1	0	19.23	19.7

Index 5										
CA_41C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	19.00	21
40185	39987	QPSK	1	0	0	0	1	0	19.09	21
40620	40422	QPSK	1	0	0	0	1	0	19.05	21
41055	40857	QPSK	1	0	0	0	1	0	19.18	21
41490	41292	QPSK	1	0	0	0	1	0	19.23	21

Index 6										
CA_41C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	18.97	20.3
40185	39987	QPSK	1	0	0	0	1	0	19.09	20.3
40620	40422	QPSK	1	0	0	0	1	0	19.05	20.3
41055	40857	QPSK	1	0	0	0	1	0	19.18	20.3
41490	41292	QPSK	1	0	0	0	1	0	19.23	20.3

Index 7/8										
CA_41C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.02	23
40185	39987	QPSK	1	0	0	0	1	0	22.08	23
40620	40422	QPSK	1	0	0	0	1	0	22.00	23
41055	40857	QPSK	1	0	0	0	1	0	22.13	23
41490	41292	QPSK	1	0	0	0	1	0	22.22	23

Index 9										
CA_41C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	19.41	20
40185	39987	QPSK	1	0	0	0	1	0	19.60	20
40620	40422	QPSK	1	0	0	0	1	0	19.53	20
41055	40857	QPSK	1	0	0	0	1	0	19.63	20
41490	41292	QPSK	1	0	0	0	1	0	19.70	20

Index 10										
CA_41C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	19.41	20.8
40185	39987	QPSK	1	0	0	0	1	0	19.60	20.8
40620	40422	QPSK	1	0	0	0	1	0	19.53	20.8
41055	40857	QPSK	1	0	0	0	1	0	19.63	20.8
41490	41292	QPSK	1	0	0	0	1	0	19.70	20.8

Index 11										
CA_41C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	19.41	20.1
40185	39987	QPSK	1	0	0	0	1	0	19.60	20.1
40620	40422	QPSK	1	0	0	0	1	0	19.53	20.1
41055	40857	QPSK	1	0	0	0	1	0	19.63	20.1
41490	41292	QPSK	1	0	0	0	1	0	19.70	20.1

Index 1/4/5/6/9/10/11										
CA_41C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.18	23
40185	39987	QPSK	1	0	0	0	1	0	21.99	23
40620	40422	QPSK	1	0	0	0	1	0	22.12	23
41055	40857	QPSK	1	0	0	0	1	0	22.18	23
41490	41292	QPSK	1	0	0	0	1	0	22.31	23

Index 2/3										
CA_41C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.12	23
40185	39987	QPSK	1	0	0	0	1	0	21.93	23
40620	40422	QPSK	1	0	0	0	1	0	22.05	23
41055	40857	QPSK	1	0	0	0	1	0	22.07	23
41490	41292	QPSK	1	0	0	0	1	0	22.24	23

Index 7/8										
CA_41C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	19.10	19.8
40185	39987	QPSK	1	0	0	0	1	0	18.92	19.8
40620	40422	QPSK	1	0	0	0	1	0	19.01	19.8
41055	40857	QPSK	1	0	0	0	1	0	19.15	19.8
41490	41292	QPSK	1	0	0	0	1	0	19.29	19.8

13. RF Exposure position consideration

<Close Mode>

Distance of the Antenna to the EUT surface/edge						
Antennas	Front	Back	Top Edge	Bottom Edge	Right Edge	Left Edge
WWAN Ant 0	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	> 25mm
WWAN Ant 1	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm
WWAN Ant 2	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 5	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm	> 25mm
WWAN Ant 6	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	> 25mm
WLAN/BT Ant 3	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm
WLAN/BT Ant 4 / 3+4	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
Thread Ant 4	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
NFC	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm

Positions for SAR / 6E PD test						
Antennas	Front	Back	Top Edge	Bottom Edge	Right Edge	Left Edge
WWAN Ant 0	Yes	Yes	No	Yes	Yes	No
WWAN Ant 1	Yes	Yes	Yes	No	Yes	No
WWAN Ant 2	Yes	Yes	No	Yes	Yes	Yes
WWAN Ant 5	Yes	Yes	No	No	Yes	No
WWAN Ant 6	Yes	Yes	No	Yes	Yes	No
WLAN/BT Ant 3	Yes	Yes	Yes	No	Yes	No
WLAN/BT Ant 4 / 3+4	Yes	Yes	Yes	No	Yes	Yes
Thread Ant 4	Yes	Yes	Yes	No	Yes	Yes
NFC	Yes	Yes	Yes	Yes	Yes	Yes

<Open Mode>

Distance of the Antenna to the EUT surface/edge						
Antennas	Front	Back	Top Edge	Bottom Edge	Right Edge	Left Edge
WWAN Ant 0	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	> 25mm
WWAN Ant 1	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm
WWAN Ant 2	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	> 25mm
WWAN Ant 5	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm	> 25mm
WWAN Ant 6	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	> 25mm
WLAN/BT Ant 3	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm	> 25mm
WLAN/BT Ant 4 / 3+4	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm
Thread Ant 4	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm
NFC	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm

Positions for SAR / 6E PD test						
Antennas	Front	Back	Top Edge	Bottom Edge	Right Edge	Left Edge
WWAN Ant 0	Yes	Yes	No	Yes	Yes	No
WWAN Ant 1	Yes	Yes	Yes	No	Yes	No
WWAN Ant 2	Yes	Yes	No	Yes	Yes	No
WWAN Ant 5	Yes	Yes	No	No	Yes	No
WWAN Ant 6	Yes	Yes	No	Yes	Yes	No
WLAN/BT Ant 3	Yes	Yes	No	No	Yes	No
WLAN/BT Ant 4 / 3+4	Yes	Yes	Yes	No	Yes	No
Thread Ant 4	Yes	Yes	Yes	No	Yes	No
NFC	Yes	Yes	Yes	Yes	Yes	Yes

General Note:

- Referring to KDB 941225 D06 v02r01, when the overall device length and width are ≥ 9cm*5cm. RF Exposure must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge
- The antenna location is illustrated in the Appendix H.