FCC SAR TEST REPORT

FCC ID	:	**A4RG8HHN**
Equipment	:	**Phone**
Model Name	:	**G8HHN**
Applicant	:	**Google LLC 1600 Amphitheatre Parkway, Mountain View, California, 94043 USA**
Standard	:	**FCC 47 CFR Part 2 (2.1093)**

The product was received on Aug. 22, 2023 and testing was started from Aug. 30, 2023 and completed on Dec. 07, 2023. 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

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History of this test report

Report No.	Version	Description	Issued Date
FA380306C	01	Initial issue of report	Nov. 13, 2023
FA380306C	02	Update section 2 and Appendix D-2	Nov. 21, 2023
FA380306C	03	Update section 2,15.1 and Appendix D-2	Dec. 05, 2023
FA380306C	04	Update section 1,9,10,15.1 and Appendix A,C,D	Dec. 08, 2023

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for Google LLC, Phone, G8HHN, are as follows.

Equipment Class	Frequency Band	Highest SAR Summary				Highest Simultaneous Transmission 1g 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	0.99	0.67	0.75		1.59
	GSM1900	0.69	0.80	0.83		
	WCDMA II	0.85	0.79	0.72		
	WCDMA IV	0.69	0.77	0.68		
	WCDMA V	0.98	0.46	0.54		
	LTE B2	0.98	0.76	0.56		
	LTE B7	0.99	0.78	0.79		
	LTE B12/B17	0.93	0.45	0.60		
	LTE B13	0.98	0.62	0.73		
	LTE B14	0.97	0.63	0.65		
	LTE B25	0.84	0.66	0.82		
	LTE B26/B5	0.87	0.51	0.74		
	LTE B30	0.72	0.78	0.71		
	LTE B41/B38	0.98	0.96	0.69		
	LTE B48	0.82	0.78	0.72		
	LTE B66/B4	0.99	0.79	0.66		
	LTE B71	0.98	0.47	0.47		
	FR1 n2	0.82	0.67	0.82		
	FR1 n5	0.97	0.52	0.67		
	FR1 n7	0.99	0.84	0.81		
	FR1 n48	0.91	0.78	0.77		
	FR1 n66	0.68	0.80	0.68		
	FR1 n71	0.97	0.47	0.47		
	FR1 n77	0.99	0.99	0.59		
DXX	13.56 MHz				0.07	
DTS	2.4GHz WLAN	0.91	0.97	0.42		1.59
NII	5GHz WLAN	1.11	0.39	0.55		1.59
6CD	6GHz WLAN	0.57	0.33			1.59
DSS	Bluetooth	0.25	0.47	0.28		1.59

Equipment Class	Frequency Band	Head Reported APD (mW/cm^2)	Body-worn Reported APD (mW/cm^2)	Reported PD (mW/cm^2)
6CD	6GHz WLAN	0.31	0.26	0.61
Date of Testing:		2023/8/30 ~ 2023/12/7		

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/cm^2=10 W/m^2) 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: Paula Chen

2. Equipment Under Test (EUT) Information

2.1 General Information

Product Feature & Specification	
Equipment Name	Phone
Model Name	G8HHN
FCC ID	A4RG8HHN
S/N	38031JEKB01507 38031JEKB01503
Frequency Band	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 n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz 5G NR n260 : 37 GHz~40 GHz 5G NR n261 : 27.5 GHz~28.35 GHz 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 Rx: 110 kHz ~ 148.5 kHz
Mode	GSM/GPRS/EGPRS RMC/AMR 12.2Kbps HSDPA HSUPA LTE: QPSK, 16QAM, 64QAM, 256QAM 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK/QPSK/16QAM/64QAM/256QAM WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/HE20/HE40/HE80 Bluetooth BR/EDR/LE/HR/Channel sounding NFC: ASK WPC Rx: ASK
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:

1. Dynamic antenna tuning mechanism is available at Ant. 0, for its < 3GHz LTE and NR band, and the supplemental antenna tuner test results were include in appendix G, details are illustrated in the operational description.
2. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
3. The device implements the power management and sensor detection for SAR compliance at different exposure conditions (head, body-worn, hotspot) and the TAS feature will manage to ensure the power level not exceeding the associated power table. And also implement Spatial TAS predefine antenna group to analysis simultaneous transmission include in appendix F.
4. The device implements the sensor detection for SAR compliance and the power verification include in appendix E.

2.2 Maximum Tune-up Limit

General Note:

1. In the report PC3 as power class3, PC2 as power class2.
2. For each cellular band, the device has several WWAN antennas, the antenna selection is based on the connection quality condition.
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. The index 1 is for the max power conditions, and the use case were evaluated in appendix G.
5. SAR compliance for the scenario, when device in next-to-ear voice call with hotspot enabled, is justified via head SAR test at Power Index 3.

Antenna configuration	
Transmit switching diversity configuration	Support transmit antenna and band
TX 0	ANT 0: GSM850, UMTS B5, LTE B5/B12/B13/B14/B17/B26/B71, NR n5/n71 ANT 1: LTE B2/B66, NR n77 ANT 2: GSM1900, UMTS B2/B4, LTE B2/B4/B7/B25/B30/B38/B41/B66, NR n2/n7/n66 ANT 6: LTE B48, NR n48/n77
TX 1	ANT 0: GSM1900, UMTS B2/B4, LTE B2/B4/B7/B25/B30/B38/B41/B66, NR n2/n7/n66 ANT 1: GSM850, UMTS B5, LTE B5/B12/B13/B14/B17/B26/B71, NR n5/n71 ANT 2: LTE B48, NR n48/n77 ANT 5: LTE B2/B66, NR n77

Maximum Transmit Burst Average Power (dBm)								
Band	Antenna	Duty cycle	Max Power Condition	Head	Head	Hotspot	Body-worn	Body-worn
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6
GSM850 GSM/GPRS 1TX	0	12.50%	33.50	33.50	33.50	33.50	33.50	33.50
GSM850 GPRS 2TX	0	25.00%	32.50	32.50	32.50	32.30	32.50	32.30
GSM850 GPRS 3TX	0	37.50%	31.50	31.50	31.00	30.60	31.50	30.60
GSM850 GPRS 4TX	0	50.00%	30.00	30.00	29.70	29.30	30.00	29.30
GSM850 EDGE 1TX	0	12.50%	28.00	28.00	28.00	28.00	28.00	28.00
GSM850 EDGE 2TX	0	25.00%	27.50	27.50	27.50	27.50	27.50	27.50
GSM850 EDGE 3TX	0	37.50%	27.50	27.50	27.50	27.50	27.50	27.50
GSM850 EDGE 4TX	0	50.00%	25.50	25.50	25.50	25.50	25.50	25.50
GSM850 GSM/GPRS 1TX	1	12.50%	33.00	31.90	29.80	33.00	33.00	33.00
GSM850 GPRS 2TX	1	25.00%	32.50	28.90	26.80	32.50	32.50	32.50
GSM850 GPRS 3TX	1	37.50%	30.50	27.00	24.90	30.50	30.50	30.50
GSM850 GPRS 4TX	1	50.00%	28.00	25.80	23.70	28.00	28.00	28.00
GSM850 EDGE 1TX	1	12.50%	27.50	27.50	27.50	27.50	27.50	27.50
GSM850 EDGE 2TX	1	25.00%	27.00	27.00	26.80	27.00	27.00	27.00
GSM850 EDGE 3TX	1	37.50%	27.00	27.00	24.90	27.00	27.00	27.00
GSM850 EDGE 4TX	1	50.00%	24.00	24.00	23.70	24.00	24.00	24.00
GSM1900 GSM/GPRS 1TX	2	12.50%	30.50	30.50	30.50	30.50	30.50	30.50
GSM1900 GPRS 2TX	2	25.00%	29.50	29.50	29.50	27.60	28.40	27.60
GSM1900 GPRS 3TX	2	37.50%	29.00	29.00	28.70	25.80	26.60	25.80
GSM1900 GPRS 4TX	2	50.00%	28.00	28.00	27.50	24.60	25.40	24.60
GSM1900 EDGE 1TX	2	12.50%	26.00	26.00	26.00	26.00	26.00	26.00
GSM1900 EDGE 2TX	2	25.00%	25.00	25.00	25.00	25.00	25.00	25.00
GSM1900 EDGE 3TX	2	37.50%	25.00	25.00	25.00	25.00	25.00	25.00
GSM1900 EDGE 4TX	2	50.00%	24.00	24.00	24.00	24.00	24.00	24.00
GSM1900 GSM/GPRS 1TX	0	12.50%	30.00	30.00	30.00	30.00	30.00	30.00
GSM1900 GPRS 2TX	0	25.00%	29.50	29.50	29.50	29.50	29.50	29.50
GSM1900 GPRS 3TX	0	37.50%	28.50	28.50	28.50	28.50	28.50	28.50
GSM1900 GPRS 4TX	0	50.00%	27.50	27.50	27.50	27.50	27.50	27.50
GSM1900 EDGE 1TX	0	12.50%	26.00	26.00	26.00	26.00	26.00	26.00
GSM1900 EDGE 2TX	0	25.00%	24.50	24.50	24.50	24.50	24.50	24.50
GSM1900 EDGE 3TX	0	37.50%	24.50	24.50	24.50	24.50	24.50	24.50
GSM1900 EDGE 4TX	0	50.00%	23.50	23.50	23.50	23.50	23.50	23.50

Maximum Transmit Burst Average Power (dBm)								
Band	Antenna	Duty cycle	Max Power Condition	Head	Head	Hotspot	Body-worn	Body-worn
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6
WCDMA B2	2	100.00%	25.70	25.70	25.30	20.70	21.50	20.70
WCDMA B2	0	100.00%	25.20	25.20	24.00	23.90	25.20	24.70
WCDMA B4	2	100.00%	25.70	25.70	25.10	22.70	23.50	22.70
WCDMA B4	0	100.00%	25.20	25.20	25.20	23.80	25.20	23.80
WCDMA B5	0	100.00%	25.70	25.70	25.70	25.70	25.70	25.70
WCDMA B5	1	100.00%	25.20	22.10	20.00	25.20	25.20	25.20
LTE B2	2	100.00%	25.70	25.70	24.70	20.90	21.70	20.90
LTE B2	0	100.00%	25.20	25.20	25.20	24.20	25.20	24.20
LTE B2	1	100.00%	25.70	20.80	20.00	25.70	25.70	25.70
LTE B2	5	100.00%	25.20	17.70	13.50	21.50	25.20	24.40
LTE B5	0	100.00%	25.70	25.70	25.70	25.70	25.70	25.70
LTE B5	1	100.00%	25.20	21.10	19.00	25.20	25.20	25.20
LTE B7	2	100.00%	25.70	24.50	22.50	19.20	23.60	22.30
LTE B7	0	100.00%	25.20	25.20	23.80	21.90	23.70	22.00
LTE B12	0	100.00%	25.70	25.70	25.70	25.70	25.70	25.70
LTE B12	1	100.00%	25.30	22.40	20.30	25.30	25.30	25.30
LTE B13	0	100.00%	25.70	25.70	25.70	24.60	25.70	24.60
LTE B13	1	100.00%	25.20	23.10	21.00	24.50	25.20	25.20
LTE B14	0	100.00%	25.70	25.70	25.70	24.30	25.70	24.60
LTE B14	1	100.00%	25.20	21.50	19.40	25.10	25.20	25.20
LTE B17	0	100.00%	25.70	25.70	25.70	25.70	25.70	25.70
LTE B17	1	100.00%	25.20	22.40	20.30	25.20	25.20	25.20
LTE B25	2	100.00%	25.70	25.70	24.70	20.90	21.70	20.90
LTE B25	0	100.00%	25.20	25.20	25.20	24.20	25.20	24.20
LTE B26	0	100.00%	25.70	25.70	25.70	25.70	25.70	25.70
LTE B26	1	100.00%	25.20	21.10	19.00	25.20	25.20	25.20
LTE B30	2	100.00%	24.00	24.00	23.90	20.30	21.10	20.30
LTE B30	0	100.00%	25.20	25.20	25.10	23.70	25.20	24.20
LTE B38 PC3	2	63.30%	25.00	25.00	23.10	20.90	25.00	24.50
LTE B38 PC3	0	63.30%	24.50	24.50	24.50	23.30	24.50	24.20
LTE B41 PC3	2	63.30%	25.70	25.10	23.10	20.90	25.60	24.50
LTE B41 PC3	0	63.30%	25.20	25.20	25.20	23.30	25.20	24.20
LTE B41/B38 PC2	2	43.30%	27.50	26.70	24.70	22.50	27.20	26.10
LTE B41/B38 PC2	0	43.30%	27.00	27.00	27.00	24.90	27.00	25.80
LTE B48	6	63.30%	25.20	25.20	25.00	21.60	24.60	23.80
LTE B48	2	63.30%	25.70	25.70	25.70	22.90	25.70	25.40
LTE B66/B4	2	100.00%	25.70	25.70	25.50	23.40	24.20	23.40
LTE B66/B4	0	100.00%	25.20	25.20	25.20	23.30	25.20	23.30
LTE B66	1	100.00%	25.70	21.40	20.60	25.70	25.70	25.70
LTE B66	5	100.00%	25.20	24.40	20.30	25.20	25.20	25.20
LTE B71	0	100.00%	25.70	25.70	25.70	25.70	25.70	25.70
LTE B71	1	100.00%	25.30	23.00	21.00	25.30	25.30	25.30

Maximum Transmit Burst Average Power (dBm)								
Band	Antenna	Duty cycle	Max Power Condition	Head	Head	Hotspot	Body-worn	Body-worn
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6
FR1 n2	2	100.00%	25.70	25.70	25.10	20.20	21.00	20.20
FR1 n2	0	100.00%	25.20	25.20	24.50	24.00	25.20	24.40
FR1 n5	0	100.00%	25.70	25.70	25.70	25.50	25.70	25.70
FR1 n5	1	100.00%	25.20	22.20	20.20	25.20	25.20	25.20
FR1 n7	2	100.00%	25.70	25.70	24.00	20.00	23.90	23.00
FR1 n7	0	100.00%	25.20	25.20	23.70	21.30	23.60	21.70
FR1 n48	6	100.00%	25.20	25.20	24.60	19.60	22.30	21.50
FR1 n48	2	100.00%	25.70	25.70	25.00	20.90	25.40	23.90
FR1 n66	2	100.00%	25.70	25.70	25.40	23.00	23.80	23.00
FR1 n66	0	100.00%	25.20	25.20	25.20	23.60	25.20	23.60
FR1 n71	0	100.00%	25.70	25.70	25.70	25.70	25.70	25.70
FR1 n71	1	100.00%	25.30	23.20	21.10	25.30	25.30	25.30
FR1 n77 PC3	6	100.00%	25.20	23.70	22.90	18.80	21.10	20.30
FR1 n77 PC3	2	100.00%	24.70	24.70	23.00	19.50	21.60	20.30
FR1 n77 PC3	1	100.00%	25.00	17.20	16.40	23.10	25.00	25.00
FR1 n77 PC3	5	100.00%	25.00	16.30	12.10	19.70	24.60	22.20
FR1 n77 PC2	6	50.00%	27.30	26.70	25.90	21.80	24.10	23.30
FR1 n77 PC2	2	50.00%	26.70	26.70	26.00	22.50	24.60	23.30

<WLAN Maximum Power>

General Note:

1. The device implements the power management for WLAN SAR compliance for different exposure conditions and user cases. In each exposure condition, the power index selection is determined by the user cases as tested in Section 15 of this report. Full details about the proprietary power management decision are illustrated in the operational description.
2. 4+3(3) represents the test in 2TX operation, while the SAR or power data is associated with antenna 3
3. 4+3(4) represents the test in 2TX operation, while the SAR or power data is associated with antenna 4

<Maximum Power – Power index 0>

<2.4GHz WLAN>

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	21	21
		6	2437	21	21
		11	2462	21	21
		12	2467	21	21
		13	2472	21	21
	802.11g 6Mbps	1	2412	Not support	17.5
		2	2417	Not support	19
		3	2422	Not support	20
		4	2427	Not support	21
		5	2432	Not support	21
		6	2437	Not support	21
		7	2442	Not support	21
		8	2447	Not support	20
		9	2452	Not support	19
		10	2457	Not support	18
		11	2462	Not support	16.5
		12	2467	Not support	12.5
		13	2472	Not support	4
	802.11n-HT20 MCS0	1	2412	Not support	18
		2	2417	Not support	18
		3	2422	Not support	19
		4	2427	Not support	20
		5	2432	Not support	20
		6	2437	Not support	20
		7	2442	Not support	19.5
		8	2447	Not support	19
		9	2452	Not support	18
		10	2457	Not support	17
		11	2462	Not support	16
		12	2467	Not support	12.5
		13	2472	Not support	5.5

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11ac-VHT20 MCS0	1	2412	Not support	18
		2	2417	Not support	18
		3	2422	Not support	19
		4	2427	Not support	20
		5	2432	Not support	20
		6	2437	Not support	20
		7	2442	Not support	19.5
		8	2447	Not support	19
		9	2452	Not support	18
		10	2457	Not support	17
		11	2462	Not support	16
		12	2467	Not support	12.5
		13	2472	Not support	5.5
	802.11ax-HE20 MCS0	1	2412	Not support	18
		2	2417	Not support	18
		3	2422	Not support	19
		4	2427	Not support	20
		5	2432	Not support	20
		6	2437	Not support	20
		7	2442	Not support	19.5
		8	2447	Not support	19
		9	2452	Not support	18
		10	2457	Not support	17
		11	2462	Not support	16
		12	2467	Not support	12.5
		13	2472	Not support	5.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
2.4GHz WLAN	802.11g 6Mbps	1	2412	17.5	17.5	20.5
		2	2417	19	19	22
		3	2422	20	20	23
		4	2427	21	21	24
		5	2432	21	21	24
		6	2437	21	21	24
		7	2442	21	21	24
		8	2447	20	20	23
		9	2452	19	19	22
		10	2457	18	18	21
		11	2462	16.5	16.5	19.5
		12	2467	12.5	12.5	15.5
		13	2472	4	4	7
	802.11n-HT20 MCS0	1	2412	18	18	21
		2	2417	18	18	21
		3	2422	19	19	22
		4	2427	20	20	23
		5	2432	20	20	23
		6	2437	20	20	23
		7	2442	19.5	19.5	22.5
		8	2447	19	19	22
		9	2452	18	18	21
		10	2457	17	17	20
		11	2462	16	16	19
		12	2467	12.5	12.5	15.5
		13	2472	5.5	5.5	8.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
2.4GHz WLAN	802.11ac-VHT20 MCS0	1	2412	18	18	21
		2	2417	18	18	21
		3	2422	19	19	22
		4	2427	20	20	23
		5	2432	20	20	23
		6	2437	20	20	23
		7	2442	19.5	19.5	22.5
		8	2447	19	19	22
		9	2452	18	18	21
		10	2457	17	17	20
		11	2462	16	16	19
		12	2467	12.5	12.5	15.5
		13	2472	5.5	5.5	8.5
	802.11ax-HE20 MCS0	1	2412	18	18	21
		2	2417	18	18	21
		3	2422	19	19	22
		4	2427	20	20	23
		5	2432	20	20	23
		6	2437	20	20	23
		7	2442	19.5	19.5	22.5
		8	2447	19	19	22
		9	2452	18	18	21
		10	2457	17	17	20
		11	2462	16	16	19
		12	2467	12.5	12.5	15.5
		13	2472	5.5	5.5	8.5

<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00
		40	5200	18.00
		44	5220	19.00
		48	5240	16.50
	802.11n-HT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT80 MCS0	42	5210	12.50
	802.11ax-HE20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ax-HE80 MCS0	42	5210	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00	14.00	17.0
		40	5200	18.00	18.00	21.0
		44	5220	19.00	19.00	22.0
		48	5240	16.50	16.50	19.5
	802.11n-HT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11n-HT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ac-VHT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT80 MCS0	42	5210	12.50	12.50	15.5
	802.11ax-HE20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ax-HE40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ax-HE80 MCS0	42	5210	12.50	12.50	15.5

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00
		56	5280	18.00
		60	5300	17.50
		64	5320	13.50
	802.11n-HT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11n-HT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ac-VHT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.50
	802.11ax-HE20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ax-HE40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00	19.00	22.0
		56	5280	18.00	18.00	21.0
		60	5300	17.50	17.50	20.5
		64	5320	13.50	13.50	16.5
	802.11n-HT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11n-HT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ac-VHT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT80 MCS0	58	5290	12.50	12.50	15.5
	802.11ax-HE20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ax-HE40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ax-HE80 MCS0	58	5290	12.50	12.50	15.5

Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00
		104	5520	18.50
		116	5580	19.50
		124	5620	19.50
		132	5660	19.50
		136	5680	18.00
		140	5700	13.00
		144	5720	19.50
	802.11n-HT20 MCS0	100	5500	13.50
		104	5520	18.00
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		136	5680	17.50
		140	5700	13.50
		144	5720	19.00
	802.11n-HT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT20 MCS0	100	5500	13.50
		104	5520	18.00
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		136	5680	17.50
		140	5700	13.50
		144	5720	19.00
	802.11ac-VHT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00
	802.11ax-HE20 MCS0	100	5500	13.50
		104	5520	18.00
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		136	5680	17.50
		140	5700	13.50
		144	5720	19.00
	802.11ax-HE40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ax-HE80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00	14.00	17.0
		104	5520	18.50	18.50	21.5
		116	5580	19.50	19.50	22.5
		124	5620	19.50	19.50	22.5
		132	5660	19.50	19.50	22.5
		136	5680	18.00	18.00	21.0
		140	5700	13.00	13.00	16.0
		144	5720	19.50	19.50	22.5
	802.11n-HT20 MCS0	100	5500	13.50	13.50	16.5
		104	5520	18.00	18.00	21.0
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		136	5680	17.50	17.50	20.5
		140	5700	13.50	13.50	16.5
		144	5720	19.00	19.00	22.0
	802.11n-HT40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	100	5500	13.50	13.50	16.5
		104	5520	18.00	18.00	21.0
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		136	5680	17.50	17.50	20.5
		140	5700	13.50	13.50	16.5
		144	5720	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	18.00	18.00	21.0
	802.11ax-HE20 MCS0	100	5500	13.50	13.50	16.5
		104	5520	18.00	18.00	21.0
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		136	5680	17.50	17.50	20.5
		140	5700	13.50	13.50	16.5
		144	5720	19.00	19.00	22.0
	802.11ax-HE40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ax-HE80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	18.00	18.00	21.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT20 MCS0	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ac-VHT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT80 MCS0	155	5775	18.00
	802.11ax-HE20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ax-HE40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ax-HE80 MCS0	155	5775	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.00	20.00	23.0
		157	5785	20.00	20.00	23.0
		165	5825	20.00	20.00	23.0
	802.11n-HT20 MCS0	149	5745	20.00	20.00	23.0
		157	5785	20.00	20.00	23.0
		165	5825	20.00	20.00	23.0
	802.11n-HT40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	149	5745	19.00	19.00	22.0
		157	5785	19.00	19.00	22.0
		165	5825	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	155	5775	18.00	18.00	21.0
	802.11ax-HE20 MCS0	149	5745	19.00	19.00	22.0
		157	5785	19.00	19.00	22.0
		165	5825	19.00	19.00	22.0
	802.11ax-HE40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ax-HE80 MCS0	155	5775	18.00	18.00	21.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT20 MCS0	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ac-VHT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT80 MCS0	171	5855	16.50
	802.11ax-HE20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ax-HE40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ax-HE80 MCS0	171	5855	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50	19.50	22.5
		173	5865	19.50	19.50	22.5
		177	5885	19.00	19.00	22.0
	802.11n-HT20 MCS0	169	5845	19.50	19.50	22.5
		173	5865	19.50	19.50	22.5
		177	5885	19.00	19.00	22.0
	802.11n-HT40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	169	5845	19.00	19.00	22.0
		173	5865	19.00	19.00	22.0
		177	5885	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	171	5855	16.50	16.50	19.5
	802.11ax-HE20 MCS0	169	5845	19.00	19.00	22.0
		173	5865	19.00	19.00	22.0
		177	5885	19.00	19.00	22.0
	802.11ax-HE40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ax-HE80 MCS0	171	5855	16.50	16.50	19.5

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<2.4Hz WLAN>

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.00	14.00
		6	2437	14.00	14.00
		11	2462	14.00	14.00
		12	2467	14.00	14.00
		13	2472	14.00	14.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
2.4GHz WLAN	802.11g 6Mbps	1	2412	14.00	14.00	17.0
		6	2437	14.00	14.00	17.0
		11	2462	14.00	14.00	17.0
		12	2467	12.50	12.50	15.5
		13	2472	4.00	4.00	7.0
	802.11n-HT20 MCS0	1	2412	14.00	14.00	17.0
		6	2437	14.00	14.00	17.0
		11	2462	14.00	14.00	17.0
		12	2467	12.50	12.50	15.5
		13	2472	5.50	5.50	8.5
	802.11ac-VHT20 MCS0	1	2412	14.00	14.00	17.0
		6	2437	14.00	14.00	17.0
		11	2462	14.00	14.00	17.0
		12	2467	12.50	12.50	15.5
		13	2472	5.50	5.50	8.5
	802.11ax-HE20 MCS0	1	2412	14.00	14.00	17.0
		6	2437	14.00	14.00	17.0
		11	2462	14.00	14.00	17.0
		12	2467	12.50	12.50	15.5
		13	2472	5.50	5.50	8.5

<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00
		40	5200	18.00
		44	5220	19.00
		48	5240	16.50
	802.11n-HT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT80 MCS0	42	5210	12.50
	802.11ax-HE20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ax-HE80 MCS0	42	5210	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00	14.00	17.0
		40	5200	18.00	18.00	21.0
		44	5220	19.00	19.00	22.0
		48	5240	16.50	16.50	19.5
	802.11n-HT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11n-HT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ac-VHT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT80 MCS0	42	5210	12.50	12.50	15.5
	802.11ax-HE20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ax-HE40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ax-HE80 MCS0	42	5210	12.50	12.50	15.5

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00
		56	5280	18.00
		60	5300	17.50
		64	5320	13.50
	802.11n-HT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11n-HT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ac-VHT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.50
	802.11ax-HE20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ax-HE40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00	19.00	22.0
		56	5280	18.00	18.00	21.0
		60	5300	17.50	17.50	20.5
		64	5320	13.50	13.50	16.5
	802.11n-HT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11n-HT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ac-VHT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT80 MCS0	58	5290	12.50	12.50	15.5
	802.11ax-HE20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ax-HE40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ax-HE80 MCS0	58	5290	12.50	12.50	15.5

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00
		116	5580	16.00
		124	5620	16.00
		132	5660	16.00
		144	5720	16.00
	802.11n-HT20 MCS0	100	5500	13.50
		116	5580	16.00
		124	5620	16.00
		132	5660	16.00
		144	5720	16.00
	802.11n-HT40 MCS0	102	5510	13.50
		110	5550	16.00
		126	5630	16.00
		134	5670	16.00
		142	5710	16.00
	802.11ac-VHT20 MCS0	100	5500	13.50
		116	5580	16.00
		124	5620	16.00
		132	5660	16.00
		144	5720	16.00
	802.11ac-VHT40 MCS0	102	5510	13.50
		110	5550	16.00
		126	5630	16.00
		134	5670	16.00
		142	5710	16.00
	802.11ac-VHT80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	16.00
	802.11ax-HE20 MCS0	100	5500	13.50
		116	5580	16.00
		124	5620	16.00
		132	5660	16.00
		144	5720	16.00
	802.11ax-HE40 MCS0	102	5510	13.50
		110	5550	16.00
		126	5630	16.00
		134	5670	16.00
		142	5710	16.00
	802.11ax-HE80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	16.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00	14.00	17.0
		116	5580	16.00	16.00	19.0
		124	5620	16.00	16.00	19.0
		132	5660	16.00	16.00	19.0
		144	5720	16.00	16.00	19.0
	802.11n-HT20 MCS0	100	5500	13.50	13.50	16.5
		116	5580	16.00	16.00	19.0
		124	5620	16.00	16.00	19.0
		132	5660	16.00	16.00	19.0
		144	5720	16.00	16.00	19.0
	802.11n-HT40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	16.00	16.00	19.0
		126	5630	16.00	16.00	19.0
		134	5670	16.00	16.00	19.0
		142	5710	16.00	16.00	19.0
	802.11ac-VHT20 MCS0	100	5500	13.50	13.50	16.5
		116	5580	16.00	16.00	19.0
		124	5620	16.00	16.00	19.0
		132	5660	16.00	16.00	19.0
		144	5720	16.00	16.00	19.0
	802.11ac-VHT40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	16.00	16.00	19.0
		126	5630	16.00	16.00	19.0
		134	5670	16.00	16.00	19.0
		142	5710	16.00	16.00	19.0
	802.11ac-VHT80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	16.00	16.00	19.0
	802.11ax-HE20 MCS0	100	5500	13.50	13.50	16.5
		116	5580	16.00	16.00	19.0
		124	5620	16.00	16.00	19.0
		132	5660	16.00	16.00	19.0
		144	5720	16.00	16.00	19.0
	802.11ax-HE40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	16.00	16.00	19.0
		126	5630	16.00	16.00	19.0
		134	5670	16.00	16.00	19.0
		142	5710	16.00	16.00	19.0
	802.11ax-HE80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	16.00	16.00	19.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.00
		157	5785	17.00
		165	5825	17.00
	802.11n-HT20 MCS0	149	5745	17.00
		157	5785	17.00
		165	5825	17.00
	802.11n-HT40 MCS0	151	5755	17.00
		159	5795	17.00
	802.11ac-VHT20 MCS0	149	5745	17.00
		157	5785	17.00
		165	5825	17.00
	802.11ac-VHT40 MCS0	151	5755	17.00
		159	5795	17.00
	802.11ac-VHT80 MCS0	155	5775	17.00
	802.11ax-HE20 MCS0	149	5745	17.00
		157	5785	17.00
		165	5825	17.00
	802.11ax-HE40 MCS0	151	5755	17.00
		159	5795	17.00
	802.11ax-HE80 MCS0	155	5775	17.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.00	17.00	20.0
		157	5785	17.00	17.00	20.0
		165	5825	17.00	17.00	20.0
	802.11n-HT20 MCS0	149	5745	17.00	17.00	20.0
		157	5785	17.00	17.00	20.0
		165	5825	17.00	17.00	20.0
	802.11n-HT40 MCS0	151	5755	17.00	17.00	20.0
		159	5795	17.00	17.00	20.0
	802.11ac-VHT20 MCS0	149	5745	17.00	17.00	20.0
		157	5785	17.00	17.00	20.0
		165	5825	17.00	17.00	20.0
	802.11ac-VHT40 MCS0	151	5755	17.00	17.00	20.0
		159	5795	17.00	17.00	20.0
	802.11ac-VHT80 MCS0	155	5775	17.00	17.00	20.0
	802.11ax-HE20 MCS0	149	5745	17.00	17.00	20.0
		157	5785	17.00	17.00	20.0
		165	5825	17.00	17.00	20.0
	802.11ax-HE40 MCS0	151	5755	17.00	17.00	20.0
		159	5795	17.00	17.00	20.0
	802.11ax-HE80 MCS0	155	5775	17.00	17.00	20.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	17.50
		173	5865	17.50
		177	5885	17.50
	802.11n-HT20 MCS0	169	5845	17.50
		173	5865	17.50
		177	5885	17.50
	802.11n-HT40 MCS0	167	5835	17.50
		175	5875	17.50
	802.11ac-VHT20 MCS0	169	5845	17.50
		173	5865	17.50
		177	5885	17.50
	802.11ac-VHT40 MCS0	167	5835	17.50
		175	5875	17.50
	802.11ac-VHT80 MCS0	171	5855	16.50
	802.11ax-HE20 MCS0	169	5845	17.50
		173	5865	17.50
		177	5885	17.50
	802.11ax-HE40 MCS0	167	5835	17.50
		175	5875	17.50
	802.11ax-HE80 MCS0	171	5855	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.9GHz WLAN	802.11a 6Mbps	169	5845	17.50	17.50	20.5
		173	5865	17.50	17.50	20.5
		177	5885	17.50	17.50	20.5
	802.11n-HT20 MCS0	169	5845	17.50	17.50	20.5
		173	5865	17.50	17.50	20.5
		177	5885	17.50	17.50	20.5
	802.11n-HT40 MCS0	167	5835	17.50	17.50	20.5
		175	5875	17.50	17.50	20.5
	802.11ac-VHT20 MCS0	169	5845	17.50	17.50	20.5
		173	5865	17.50	17.50	20.5
		177	5885	17.50	17.50	20.5
	802.11ac-VHT40 MCS0	167	5835	17.50	17.50	20.5
		175	5875	17.50	17.50	20.5
	802.11ac-VHT80 MCS0	171	5855	16.50	16.50	19.5
	802.11ax-HE20 MCS0	169	5845	17.50	17.50	20.5
		173	5865	17.50	17.50	20.5
		177	5885	17.50	17.50	20.5
	802.11ax-HE40 MCS0	167	5835	17.50	17.50	20.5
		175	5875	17.50	17.50	20.5
	802.11ax-HE80 MCS0	171	5855	16.50	16.50	19.5

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<2.4GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.00
		6	2437	16.00
		11	2462	16.00
		12	2467	16.00
		13	2472	16.00
	802.11g 6Mbps	1	2412	16.00
		6	2437	16.00
		11	2462	16.00
		12	2467	12.50
		13	2472	4.00
	802.11n-HT20 MCS0	1	2412	16.00
		6	2437	16.00
		11	2462	16.00
		12	2467	12.50
		13	2472	5.50
	802.11ac-VHT20 MCS0	1	2412	16.00
		6	2437	16.00
		11	2462	16.00
		12	2467	12.50
		13	2472	5.50
	802.11ax-HE20 MCS0	1	2412	16.00
		6	2437	16.00
		11	2462	16.00
		12	2467	12.50
		13	2472	5.50

<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00
		40	5200	17.00
		44	5220	17.00
		48	5240	16.50
	802.11n-HT20 MCS0	36	5180	14.00
		40	5200	17.00
		44	5220	17.00
		48	5240	16.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT20 MCS0	36	5180	14.00
		40	5200	17.00
		44	5220	17.00
		48	5240	16.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT80 MCS0	42	5210	12.50
	802.11ax-HE20 MCS0	36	5180	14.00
		40	5200	17.00
		44	5220	17.00
		48	5240	16.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ax-HE80 MCS0	42	5210	12.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.00
		56	5280	17.00
		60	5300	17.00
		64	5320	13.50
	802.11n-HT20 MCS0	52	5260	17.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11n-HT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	17.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ac-VHT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.50
	802.11ax-HE20 MCS0	52	5260	17.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ax-HE40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00
		116	5580	17.50
		124	5620	17.50
		132	5660	17.50
		144	5720	17.50
	802.11n-HT20 MCS0	100	5500	13.50
		116	5580	17.50
		124	5620	17.50
		132	5660	17.50
		144	5720	17.50
	802.11n-HT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	17.50
	802.11ac-VHT20 MCS0	100	5500	13.50
		116	5580	17.50
		124	5620	17.50
		132	5660	17.50
		144	5720	17.50
	802.11ac-VHT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	17.50
	802.11ac-VHT80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	17.50
	802.11ax-HE20 MCS0	100	5500	13.50
		116	5580	17.50
		124	5620	17.50
		132	5660	17.50
		144	5720	17.50
	802.11ax-HE40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	17.50
	802.11ax-HE80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	17.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.00
		157	5785	18.00
		165	5825	18.00
	802.11n-HT20 MCS0	149	5745	18.00
		157	5785	18.00
		165	5825	18.00
	802.11n-HT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT20 MCS0	149	5745	18.00
		157	5785	18.00
		165	5825	18.00
	802.11ac-VHT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT80 MCS0	155	5775	18.00
	802.11ax-HE20 MCS0	149	5745	18.00
		157	5785	18.00
		165	5825	18.00
	802.11ax-HE40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ax-HE80 MCS0	155	5775	18.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	16.00
		173	5865	16.00
		177	5885	16.00
	802.11n-HT20 MCS0	169	5845	16.00
		173	5865	16.00
		177	5885	16.00
	802.11n-HT40 MCS0	167	5835	16.00
		175	5875	16.00
	802.11ac-VHT20 MCS0	169	5845	16.00
		173	5865	16.00
		177	5885	16.00
	802.11ac-VHT40 MCS0	167	5835	16.00
		175	5875	16.00
	802.11ac-VHT80 MCS0	171	5855	16.00
	802.11ax-HE20 MCS0	169	5845	16.00
		173	5865	16.00
		177	5885	16.00
	802.11ax-HE40 MCS0	167	5835	16.00
		175	5875	16.00
	802.11ax-HE80 MCS0	171	5855	16.00

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<2.4GHz WLAN>

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	10.50	10.50
		6	2437	10.50	10.50
		11	2462	10.50	10.50
		12	2467	10.50	10.50
		13	2472	10.50	10.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
2.4GHz WLAN	802.11g 6Mbps	1	2412	10.50	10.50	13.5
		6	2437	10.50	10.50	13.5
		11	2462	10.50	10.50	13.5
		12	2467	10.50	10.50	13.5
		13	2472	4.00	4.00	7.0
	802.11n-HT20 MCS0	1	2412	10.50	10.50	13.5
		6	2437	10.50	10.50	13.5
		11	2462	10.50	10.50	13.5
		12	2467	10.50	10.50	13.5
		13	2472	5.50	5.50	8.5
	802.11ac-VHT20 MCS0	1	2412	10.50	10.50	13.5
		6	2437	10.50	10.50	13.5
		11	2462	10.50	10.50	13.5
		12	2467	10.50	10.50	13.5
		13	2472	5.50	5.50	8.5
	802.11ax-HE20 MCS0	1	2412	10.50	10.50	13.5
		6	2437	10.50	10.50	13.5
		11	2462	10.50	10.50	13.5
		12	2467	10.50	10.50	13.5
		13	2472	5.50	5.50	8.5

<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	12.00
		40	5200	12.00
		44	5220	12.00
		48	5240	12.00
	802.11n-HT20 MCS0	36	5180	12.00
		40	5200	12.00
		44	5220	12.00
		48	5240	12.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	12.00
	802.11ac-VHT20 MCS0	36	5180	12.00
		40	5200	12.00
		44	5220	12.00
		48	5240	12.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	12.00
	802.11ac-VHT80 MCS0	42	5210	12.00
	802.11ax-HE20 MCS0	36	5180	12.00
		40	5200	12.00
		44	5220	12.00
		48	5240	12.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	12.00
	802.11ax-HE80 MCS0	42	5210	12.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.2GHz WLAN	802.11a 6Mbps	36	5180	12.00	12.00	15.0
		40	5200	12.00	12.00	15.0
		44	5220	12.00	12.00	15.0
		48	5240	12.00	12.00	15.0
	802.11n-HT20 MCS0	36	5180	12.00	12.00	15.0
		40	5200	12.00	12.00	15.0
		44	5220	12.00	12.00	15.0
		48	5240	12.00	12.00	15.0
	802.11n-HT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	36	5180	12.00	12.00	15.0
		40	5200	12.00	12.00	15.0
		44	5220	12.00	12.00	15.0
		48	5240	12.00	12.00	15.0
	802.11ac-VHT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	12.00	12.00	15.0
	802.11ac-VHT80 MCS0	42	5210	12.00	12.00	15.0
	802.11ax-HE20 MCS0	36	5180	12.00	12.00	15.0
		40	5200	12.00	12.00	15.0
		44	5220	12.00	12.00	15.0
		48	5240	12.00	12.00	15.0
	802.11ax-HE40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	12.00	12.00	15.0
	802.11ax-HE80 MCS0	42	5210	12.00	12.00	15.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	12.00
		56	5280	12.00
		60	5300	12.00
		64	5320	12.00
	802.11n-HT20 MCS0	52	5260	12.00
		56	5280	12.00
		60	5300	12.00
		64	5320	12.00
	802.11n-HT40 MCS0	54	5270	12.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	12.00
		56	5280	12.00
		60	5300	12.00
		64	5320	12.00
	802.11ac-VHT40 MCS0	54	5270	12.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.00
	802.11ax-HE20 MCS0	52	5260	12.00
		56	5280	12.00
		60	5300	12.00
		64	5320	12.00
	802.11ax-HE40 MCS0	54	5270	12.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.3GHz WLAN	802.11a 6Mbps	52	5260	12.00	12.00	15.0
		56	5280	12.00	12.00	15.0
		60	5300	12.00	12.00	15.0
		64	5320	12.00	12.00	15.0
	802.11n-HT20 MCS0	52	5260	12.00	12.00	15.0
		56	5280	12.00	12.00	15.0
		60	5300	12.00	12.00	15.0
		64	5320	12.00	12.00	15.0
	802.11n-HT40 MCS0	54	5270	12.00	12.00	15.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	52	5260	12.00	12.00	15.0
		56	5280	12.00	12.00	15.0
		60	5300	12.00	12.00	15.0
		64	5320	12.00	12.00	15.0
	802.11ac-VHT40 MCS0	54	5270	12.00	12.00	15.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT80 MCS0	58	5290	12.00	12.00	15.0
	802.11ax-HE20 MCS0	52	5260	12.00	12.00	15.0
		56	5280	12.00	12.00	15.0
		60	5300	12.00	12.00	15.0
		64	5320	12.00	12.00	15.0
	802.11ax-HE40 MCS0	54	5270	12.00	12.00	15.0
		62	5310	12.00	12.00	15.0
	802.11ax-HE80 MCS0	58	5290	12.00	12.00	15.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	12.00
		116	5580	12.00
		124	5620	12.00
		132	5660	12.00
		144	5720	12.00
	802.11n-HT20 MCS0	100	5500	12.00
		116	5580	12.00
		124	5620	12.00
		132	5660	12.00
		144	5720	12.00
	802.11n-HT40 MCS0	102	5510	12.00
		110	5550	12.00
		126	5630	12.00
		134	5670	12.00
		142	5710	12.00
	802.11ac-VHT20 MCS0	100	5500	12.00
		116	5580	12.00
		124	5620	12.00
		132	5660	12.00
		144	5720	12.00
	802.11ac-VHT40 MCS0	102	5510	12.00
		110	5550	12.00
		126	5630	12.00
		134	5670	12.00
		142	5710	12.00
	802.11ac-VHT80 MCS0	106	5530	12.00
		122	5610	12.00
		138	5690	12.00
	802.11ax-HE20 MCS0	100	5500	12.00
		116	5580	12.00
		124	5620	12.00
		132	5660	12.00
		144	5720	12.00
	802.11ax-HE40 MCS0	102	5510	12.00
		110	5550	12.00
		126	5630	12.00
		134	5670	12.00
		142	5710	12.00
	802.11ax-HE80 MCS0	106	5530	12.00
		122	5610	12.00
		138	5690	12.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.5GHz WLAN	802.11a 6Mbps	100	5500	12.00	12.00	15.0
		116	5580	12.00	12.00	15.0
		124	5620	12.00	12.00	15.0
		132	5660	12.00	12.00	15.0
		144	5720	12.00	12.00	15.0
	802.11n-HT20 MCS0	100	5500	12.00	12.00	15.0
		116	5580	12.00	12.00	15.0
		124	5620	12.00	12.00	15.0
		132	5660	12.00	12.00	15.0
		144	5720	12.00	12.00	15.0
	802.11n-HT40 MCS0	102	5510	12.00	12.00	15.0
		110	5550	12.00	12.00	15.0
		126	5630	12.00	12.00	15.0
		134	5670	12.00	12.00	15.0
		142	5710	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	100	5500	12.00	12.00	15.0
		116	5580	12.00	12.00	15.0
		124	5620	12.00	12.00	15.0
		132	5660	12.00	12.00	15.0
		144	5720	12.00	12.00	15.0
	802.11ac-VHT40 MCS0	102	5510	12.00	12.00	15.0
		110	5550	12.00	12.00	15.0
		126	5630	12.00	12.00	15.0
		134	5670	12.00	12.00	15.0
		142	5710	12.00	12.00	15.0
	802.11ac-VHT80 MCS0	106	5530	12.00	12.00	15.0
		122	5610	12.00	12.00	15.0
		138	5690	12.00	12.00	15.0
	802.11ax-HE20 MCS0	100	5500	12.00	12.00	15.0
		116	5580	12.00	12.00	15.0
		124	5620	12.00	12.00	15.0
		132	5660	12.00	12.00	15.0
		144	5720	12.00	12.00	15.0
	802.11ax-HE40 MCS0	102	5510	12.00	12.00	15.0
		110	5550	12.00	12.00	15.0
		126	5630	12.00	12.00	15.0
		134	5670	12.00	12.00	15.0
		142	5710	12.00	12.00	15.0
	802.11ax-HE80 MCS0	106	5530	12.00	12.00	15.0
		122	5610	12.00	12.00	15.0
		138	5690	12.00	12.00	15.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	12.00
		157	5785	12.00
		165	5825	12.00
	802.11n-HT20 MCS0	149	5745	12.00
		157	5785	12.00
		165	5825	12.00
	802.11n-HT40 MCS0	151	5755	12.00
		159	5795	12.00
	802.11ac-VHT20 MCS0	149	5745	12.00
		157	5785	12.00
		165	5825	12.00
	802.11ac-VHT40 MCS0	151	5755	12.00
		159	5795	12.00
	802.11ac-VHT80 MCS0	155	5775	12.00
	802.11ax-HE20 MCS0	149	5745	12.00
		157	5785	12.00
		165	5825	12.00
	802.11ax-HE40 MCS0	151	5755	12.00
		159	5795	12.00
	802.11ax-HE80 MCS0	155	5775	12.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.8GHz WLAN	802.11a 6Mbps	149	5745	12.00	12.00	15.0
		157	5785	12.00	12.00	15.0
		165	5825	12.00	12.00	15.0
	802.11n-HT20 MCS0	149	5745	12.00	12.00	15.0
		157	5785	12.00	12.00	15.0
		165	5825	12.00	12.00	15.0
	802.11n-HT40 MCS0	151	5755	12.00	12.00	15.0
		159	5795	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	149	5745	12.00	12.00	15.0
		157	5785	12.00	12.00	15.0
		165	5825	12.00	12.00	15.0
	802.11ac-VHT40 MCS0	151	5755	12.00	12.00	15.0
		159	5795	12.00	12.00	15.0
	802.11ac-VHT80 MCS0	155	5775	12.00	12.00	15.0
	802.11ax-HE20 MCS0	149	5745	12.00	12.00	15.0
		157	5785	12.00	12.00	15.0
		165	5825	12.00	12.00	15.0
	802.11ax-HE40 MCS0	151	5755	12.00	12.00	15.0
		159	5795	12.00	12.00	15.0
	802.11ax-HE80 MCS0	155	5775	12.00	12.00	15.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	11.50
		173	5865	11.50
		177	5885	11.50
	802.11n-HT20 MCS0	169	5845	11.50
		173	5865	11.50
		177	5885	11.50
	802.11n-HT40 MCS0	167	5835	11.50
		175	5875	11.50
	802.11ac-VHT20 MCS0	169	5845	11.50
		173	5865	11.50
		177	5885	11.50
	802.11ac-VHT40 MCS0	167	5835	11.50
		175	5875	11.50
	802.11ac-VHT80 MCS0	171	5855	11.50
	802.11ax-HE20 MCS0	169	5845	11.50
		173	5865	11.50
		177	5885	11.50
	802.11ax-HE40 MCS0	167	5835	11.50
		175	5875	11.50
	802.11ax-HE80 MCS0	171	5855	11.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.9GHz WLAN	802.11a 6Mbps	169	5845	11.50	11.50	14.5
		173	5865	11.50	11.50	14.5
		177	5885	11.50	11.50	14.5
	802.11n-HT20 MCS0	169	5845	11.50	11.50	14.5
		173	5865	11.50	11.50	14.5
		177	5885	11.50	11.50	14.5
	802.11n-HT40 MCS0	167	5835	11.50	11.50	14.5
		175	5875	11.50	11.50	14.5
	802.11ac-VHT20 MCS0	169	5845	11.50	11.50	14.5
		173	5865	11.50	11.50	14.5
		177	5885	11.50	11.50	14.5
	802.11ac-VHT40 MCS0	167	5835	11.50	11.50	14.5
		175	5875	11.50	11.50	14.5
	802.11ac-VHT80 MCS0	171	5855	11.50	11.50	14.5
	802.11ax-HE20 MCS0	169	5845	11.50	11.50	14.5
		173	5865	11.50	11.50	14.5
		177	5885	11.50	11.50	14.5
	802.11ax-HE40 MCS0	167	5835	11.50	11.50	14.5
		175	5875	11.50	11.50	14.5
	802.11ax-HE80 MCS0	171	5855	11.50	11.50	14.5

<Power index 4>

<2.4GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	10.50
		6	2437	10.50
		11	2462	10.50
		12	2467	10.50
		13	2472	10.50
	802.11g 6Mbps	1	2412	10.50
		6	2437	10.50
		11	2462	10.50
		12	2467	10.50
		13	2472	4.00
	802.11n-HT20 MCS0	1	2412	10.50
		6	2437	10.50
		11	2462	10.50
		12	2467	10.50
		13	2472	5.50
	802.11ac-VHT20 MCS0	1	2412	10.50
		6	2437	10.50
		11	2462	10.50
		12	2467	10.50
		13	2472	5.50
	802.11ax-HE20 MCS0	1	2412	10.50
		6	2437	10.50
		11	2462	10.50
		12	2467	10.50
		13	2472	5.50

<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	13.00
		40	5200	13.00
		44	5220	13.00
		48	5240	13.00
	802.11n-HT20 MCS0	36	5180	13.00
		40	5200	13.00
		44	5220	13.00
		48	5240	13.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	13.00
	802.11ac-VHT20 MCS0	36	5180	13.00
		40	5200	13.00
		44	5220	13.00
		48	5240	13.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	13.00
	802.11ac-VHT80 MCS0	42	5210	12.50
	802.11ax-HE20 MCS0	36	5180	13.00
		40	5200	13.00
		44	5220	13.00
		48	5240	13.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	13.00
	802.11ax-HE80 MCS0	42	5210	12.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	13.00
		56	5280	13.00
		60	5300	13.00
		64	5320	13.00
	802.11n-HT20 MCS0	52	5260	13.00
		56	5280	13.00
		60	5300	13.00
		64	5320	13.00
	802.11n-HT40 MCS0	54	5270	13.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	13.00
		56	5280	13.00
		60	5300	13.00
		64	5320	13.00
	802.11ac-VHT40 MCS0	54	5270	13.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.50
	802.11ax-HE20 MCS0	52	5260	13.00
		56	5280	13.00
		60	5300	13.00
		64	5320	13.00
	802.11ax-HE40 MCS0	54	5270	13.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	13.00
		116	5580	13.00
		124	5620	13.00
		132	5660	13.00
		144	5720	13.00
	802.11n-HT20 MCS0	100	5500	13.00
		116	5580	13.00
		124	5620	13.00
		132	5660	13.00
		144	5720	13.00
	802.11n-HT40 MCS0	102	5510	13.00
		110	5550	13.00
		126	5630	13.00
		134	5670	13.00
		142	5710	13.00
	802.11ac-VHT20 MCS0	100	5500	13.00
		116	5580	13.00
		124	5620	13.00
		132	5660	13.00
		144	5720	13.00
	802.11ac-VHT40 MCS0	102	5510	13.00
		110	5550	13.00
		126	5630	13.00
		134	5670	13.00
		142	5710	13.00
	802.11ac-VHT80 MCS0	106	5530	13.00
		122	5610	13.00
		138	5690	13.00
	802.11ax-HE20 MCS0	100	5500	13.00
		116	5580	13.00
		124	5620	13.00
		132	5660	13.00
		144	5720	13.00
	802.11ax-HE40 MCS0	102	5510	13.00
		110	5550	13.00
		126	5630	13.00
		134	5670	13.00
		142	5710	13.00
	802.11ax-HE80 MCS0	106	5530	13.00
		122	5610	13.00
		138	5690	13.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.50
		157	5785	13.50
		165	5825	13.50
	802.11n-HT20 MCS0	149	5745	13.50
		157	5785	13.50
		165	5825	13.50
	802.11n-HT40 MCS0	151	5755	13.50
		159	5795	13.50
	802.11ac-VHT20 MCS0	149	5745	13.50
		157	5785	13.50
		165	5825	13.50
	802.11ac-VHT40 MCS0	151	5755	13.50
		159	5795	13.50
	802.11ac-VHT80 MCS0	155	5775	13.50
	802.11ax-HE20 MCS0	149	5745	13.50
		157	5785	13.50
		165	5825	13.50
	802.11ax-HE40 MCS0	151	5755	13.50
		159	5795	13.50
	802.11ax-HE80 MCS0	155	5775	13.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	13.00
		173	5865	13.00
		177	5885	13.00
	802.11n-HT20 MCS0	169	5845	13.00
		173	5865	13.00
		177	5885	13.00
	802.11n-HT40 MCS0	167	5835	13.00
		175	5875	13.00
	802.11ac-VHT20 MCS0	169	5845	13.00
		173	5865	13.00
		177	5885	13.00
	802.11ac-VHT40 MCS0	167	5835	13.00
		175	5875	13.00
	802.11ac-VHT80 MCS0	171	5855	13.00
	802.11ax-HE20 MCS0	169	5845	13.00
		173	5865	13.00
		177	5885	13.00
	802.11ax-HE40 MCS0	167	5835	13.00
		175	5875	13.00
	802.11ax-HE80 MCS0	171	5855	13.00

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<2.4GHz WLAN>

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.00	21.00
		6	2437	21.00	21.00
		11	2462	21.00	21.00
		12	2467	21.00	21.00
		13	2472	21.00	21.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
2.4GHz WLAN	802.11g 6Mbps	1	2412	17.50	17.50	20.5
		6	2437	21.00	21.00	24.0
		11	2462	16.50	16.50	19.5
		12	2467	12.50	12.50	15.5
		13	2472	4.00	4.00	7.0
	802.11n-HT20 MCS0	1	2412	18.00	18.00	21.0
		6	2437	20.00	20.00	23.0
		11	2462	16.00	16.00	19.0
		12	2467	12.50	12.50	15.5
		13	2472	5.50	5.50	8.5
	802.11ac-VHT20 MCS0	1	2412	18.00	18.00	21.0
		6	2437	20.00	20.00	23.0
		11	2462	16.00	16.00	19.0
		12	2467	12.50	12.50	15.5
		13	2472	5.50	5.50	8.5
	802.11ax-HE20 MCS0	1	2412	18.00	18.00	21.0
		6	2437	20.00	20.00	23.0
		11	2462	16.00	16.00	19.0
		12	2467	12.50	12.50	15.5
		13	2472	5.50	5.50	8.5

<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00
		40	5200	18.00
		44	5220	19.00
		48	5240	16.50
	802.11n-HT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT80 MCS0	42	5210	12.50
	802.11ax-HE20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ax-HE80 MCS0	42	5210	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00	14.00	17.0
		40	5200	18.00	18.00	21.0
		44	5220	19.00	19.00	22.0
		48	5240	16.50	16.50	19.5
	802.11n-HT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11n-HT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ac-VHT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT80 MCS0	42	5210	12.50	12.50	15.5
	802.11ax-HE20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ax-HE40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ax-HE80 MCS0	42	5210	12.50	12.50	15.5

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00
		56	5280	18.00
		60	5300	17.50
		64	5320	13.50
	802.11n-HT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11n-HT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ac-VHT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.50
	802.11ax-HE20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ax-HE40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00	19.00	22.0
		56	5280	18.00	18.00	21.0
		60	5300	17.50	17.50	20.5
		64	5320	13.50	13.50	16.5
	802.11n-HT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11n-HT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ac-VHT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT80 MCS0	58	5290	12.50	12.50	15.5
	802.11ax-HE20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ax-HE40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ax-HE80 MCS0	58	5290	12.50	12.50	15.5

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00
		116	5580	19.50
		124	5620	19.50
		132	5660	19.50
		144	5720	19.50
	802.11n-HT20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11n-HT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11ac-VHT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00
	802.11ax-HE20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11ax-HE40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ax-HE80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00	14.00	17.0
		116	5580	19.50	19.50	22.5
		124	5620	19.50	19.50	22.5
		132	5660	19.50	19.50	22.5
		144	5720	19.50	19.50	22.5
	802.11n-HT20 MCS0	100	5500	13.50	13.50	16.5
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		144	5720	19.00	19.00	22.0
	802.11n-HT40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	100	5500	13.50	13.50	16.5
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		144	5720	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	18.00	18.00	21.0
	802.11ax-HE20 MCS0	100	5500	13.50	13.50	16.5
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		144	5720	19.00	19.00	22.0
	802.11ax-HE40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ax-HE80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	18.00	18.00	21.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT20 MCS0	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ac-VHT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT80 MCS0	155	5775	18.00
	802.11ax-HE20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ax-HE40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ax-HE80 MCS0	155	5775	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.00	20.00	23.0
		157	5785	20.00	20.00	23.0
		165	5825	20.00	20.00	23.0
	802.11n-HT20 MCS0	149	5745	20.00	20.00	23.0
		157	5785	20.00	20.00	23.0
		165	5825	20.00	20.00	23.0
	802.11n-HT40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	149	5745	19.00	19.00	22.0
		157	5785	19.00	19.00	22.0
		165	5825	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	155	5775	18.00	18.00	21.0
	802.11ax-HE20 MCS0	149	5745	19.00	19.00	22.0
		157	5785	19.00	19.00	22.0
		165	5825	19.00	19.00	22.0
	802.11ax-HE40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ax-HE80 MCS0	155	5775	18.00	18.00	21.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT20 MCS0	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ac-VHT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT80 MCS0	171	5855	16.50
	802.11ax-HE20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ax-HE40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ax-HE80 MCS0	171	5855	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50	19.50	22.5
		173	5865	19.50	19.50	22.5
		177	5885	19.00	19.00	22.0
	802.11n-HT20 MCS0	169	5845	19.50	19.50	22.5
		173	5865	19.50	19.50	22.5
		177	5885	19.00	19.00	22.0
	802.11n-HT40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	169	5845	19.00	19.00	22.0
		173	5865	19.00	19.00	22.0
		177	5885	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	171	5855	16.50	16.50	19.5
	802.11ax-HE20 MCS0	169	5845	19.00	19.00	22.0
		173	5865	19.00	19.00	22.0
		177	5885	19.00	19.00	22.0
	802.11ax-HE40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ax-HE80 MCS0	171	5855	16.50	16.50	19.5

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<2.4GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.00
		6	2437	21.00
		11	2462	21.00
		12	2467	21.00
		13	2472	21.00
	802.11g 6Mbps	1	2412	17.50
		6	2437	21.00
		11	2462	16.50
		12	2467	12.50
		13	2472	4.00
	802.11n-HT20 MCS0	1	2412	18.00
		6	2437	20.00
		11	2462	16.00
		12	2467	12.50
		13	2472	5.50
	802.11ac-VHT20 MCS0	1	2412	18.00
		6	2437	20.00
		11	2462	16.00
		12	2467	12.50
		13	2472	5.50
	802.11ax-HE20 MCS0	1	2412	18.00
		6	2437	20.00
		11	2462	16.00
		12	2467	12.50
		13	2472	5.50

<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00
		40	5200	18.00
		44	5220	19.00
		48	5240	16.50
	802.11n-HT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT80 MCS0	42	5210	12.50
	802.11ax-HE20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ax-HE80 MCS0	42	5210	12.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00
		56	5280	18.00
		60	5300	17.50
		64	5320	13.50
	802.11n-HT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11n-HT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ac-VHT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.50
	802.11ax-HE20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ax-HE40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00
		116	5580	19.50
		124	5620	19.50
		132	5660	19.50
		144	5720	19.50
	802.11n-HT20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11n-HT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11ac-VHT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00
	802.11ax-HE20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11ax-HE40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ax-HE80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT20 MCS0	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ac-VHT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT80 MCS0	155	5775	18.00
	802.11ax-HE20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ax-HE40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ax-HE80 MCS0	155	5775	18.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT20 MCS0	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ac-VHT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT80 MCS0	171	5855	16.50
	802.11ax-HE20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ax-HE40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ax-HE80 MCS0	171	5855	16.50

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<2.4GHz WLAN>

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.00	17.00
		6	2437	17.00	17.00
		11	2462	17.00	17.00
		12	2467	17.00	17.00
		13	2472	17.00	17.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
2.4GHz WLAN	802.11g 6Mbps	1	2412	17.00	17.00	20.0
		6	2437	17.00	17.00	20.0
		11	2462	16.50	16.50	19.5
		12	2467	12.50	12.50	15.5
		13	2472	4.00	4.00	7.0
	802.11n-HT20 MCS0	1	2412	17.00	17.00	20.0
		6	2437	17.00	17.00	20.0
		11	2462	16.00	16.00	19.0
		12	2467	12.50	12.50	15.5
		13	2472	5.50	5.50	8.5
	802.11ac-VHT20 MCS0	1	2412	17.00	17.00	20.0
		6	2437	17.00	17.00	20.0
		11	2462	16.00	16.00	19.0
		12	2467	12.50	12.50	15.5
		13	2472	5.50	5.50	8.5
	802.11ax-HE20 MCS0	1	2412	17.00	17.00	20.0
		6	2437	17.00	17.00	20.0
		11	2462	16.00	16.00	19.0
		12	2467	12.50	12.50	15.5
		13	2472	5.50	5.50	8.5

<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00
		40	5200	18.00
		44	5220	19.00
		48	5240	16.50
	802.11n-HT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT80 MCS0	42	5210	12.50
	802.11ax-HE20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ax-HE80 MCS0	42	5210	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00	14.00	17.0
		40	5200	18.00	18.00	21.0
		44	5220	19.00	19.00	22.0
		48	5240	16.50	16.50	19.5
	802.11n-HT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11n-HT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ac-VHT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT80 MCS0	42	5210	12.50	12.50	15.5
	802.11ax-HE20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ax-HE40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ax-HE80 MCS0	42	5210	12.50	12.50	15.5

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00
		56	5280	18.00
		60	5300	17.50
		64	5320	13.50
	802.11n-HT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11n-HT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ac-VHT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.50
	802.11ax-HE20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ax-HE40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00	19.00	22.0
		56	5280	18.00	18.00	21.0
		60	5300	17.50	17.50	20.5
		64	5320	13.50	13.50	16.5
	802.11n-HT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11n-HT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ac-VHT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT80 MCS0	58	5290	12.50	12.50	15.5
	802.11ax-HE20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ax-HE40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ax-HE80 MCS0	58	5290	12.50	12.50	15.5

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00
		116	5580	19.50
		124	5620	19.50
		132	5660	19.50
		144	5720	19.50
	802.11n-HT20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11n-HT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11ac-VHT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00
	802.11ax-HE20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11ax-HE40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ax-HE80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00	14.00	17.0
		116	5580	19.50	19.50	22.5
		124	5620	19.50	19.50	22.5
		132	5660	19.50	19.50	22.5
		144	5720	19.50	19.50	22.5
	802.11n-HT20 MCS0	100	5500	13.50	13.50	16.5
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		144	5720	19.00	19.00	22.0
	802.11n-HT40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	100	5500	13.50	13.50	16.5
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		144	5720	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	18.00	18.00	21.0
	802.11ax-HE20 MCS0	100	5500	13.50	13.50	16.5
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		144	5720	19.00	19.00	22.0
	802.11ax-HE40 MCS0	102	5510	13.50	13.50	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ax-HE80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	18.00	18.00	21.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT20 MCS0	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ac-VHT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT80 MCS0	155	5775	18.00
	802.11ax-HE20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ax-HE40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ax-HE80 MCS0	155	5775	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.00	20.00	23.0
		157	5785	20.00	20.00	23.0
		165	5825	20.00	20.00	23.0
	802.11n-HT20 MCS0	149	5745	20.00	20.00	23.0
		157	5785	20.00	20.00	23.0
		165	5825	20.00	20.00	23.0
	802.11n-HT40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	149	5745	19.00	19.00	22.0
		157	5785	19.00	19.00	22.0
		165	5825	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	155	5775	18.00	18.00	21.0
	802.11ax-HE20 MCS0	149	5745	19.00	19.00	22.0
		157	5785	19.00	19.00	22.0
		165	5825	19.00	19.00	22.0
	802.11ax-HE40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ax-HE80 MCS0	155	5775	18.00	18.00	21.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT20 MCS0	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ac-VHT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT80 MCS0	171	5855	16.50
	802.11ax-HE20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ax-HE40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ax-HE80 MCS0	171	5855	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50	19.50	22.5
		173	5865	19.50	19.50	22.5
		177	5885	19.00	19.00	22.0
	802.11n-HT20 MCS0	169	5845	19.50	19.50	22.5
		173	5865	19.50	19.50	22.5
		177	5885	19.00	19.00	22.0
	802.11n-HT40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	169	5845	19.00	19.00	22.0
		173	5865	19.00	19.00	22.0
		177	5885	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	171	5855	16.50	16.50	19.5
	802.11ax-HE20 MCS0	169	5845	19.00	19.00	22.0
		173	5865	19.00	19.00	22.0
		177	5885	19.00	19.00	22.0
	802.11ax-HE40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ax-HE80 MCS0	171	5855	16.50	16.50	19.5

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<2.4GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.00
		6	2437	17.00
		11	2462	17.00
		12	2467	17.00
		13	2472	17.00
	802.11g 6Mbps	1	2412	17.00
		6	2437	17.00
		11	2462	16.50
		12	2467	12.50
		13	2472	4.00
	802.11n-HT20 MCS0	1	2412	17.00
		6	2437	17.00
		11	2462	16.00
		12	2467	12.50
		13	2472	5.50
	802.11ac-VHT20 MCS0	1	2412	17.00
		6	2437	17.00
		11	2462	16.00
		12	2467	12.50
		13	2472	5.50
	802.11ax-HE20 MCS0	1	2412	17.00
		6	2437	17.00
		11	2462	16.00
		12	2467	12.50
		13	2472	5.50

<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00
		40	5200	18.00
		44	5220	19.00
		48	5240	16.50
	802.11n-HT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT80 MCS0	42	5210	12.50
	802.11ax-HE20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ax-HE80 MCS0	42	5210	12.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00
		56	5280	18.00
		60	5300	17.50
		64	5320	13.50
	802.11n-HT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11n-HT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ac-VHT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.50
	802.11ax-HE20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ax-HE40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00
		116	5580	18.50
		124	5620	18.50
		132	5660	18.50
		144	5720	18.50
	802.11n-HT20 MCS0	100	5500	13.50
		116	5580	18.50
		124	5620	18.50
		132	5660	18.50
		144	5720	18.50
	802.11n-HT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT20 MCS0	100	5500	13.50
		116	5580	18.50
		124	5620	18.50
		132	5660	18.50
		144	5720	18.50
	802.11ac-VHT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00
	802.11ax-HE20 MCS0	100	5500	13.50
		116	5580	18.50
		124	5620	18.50
		132	5660	18.50
		144	5720	18.50
	802.11ax-HE40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ax-HE80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT20 MCS0	149	5745	20.00
		157	5785	20.00
		165	5825	20.00
	802.11n-HT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ac-VHT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT80 MCS0	155	5775	18.00
	802.11ax-HE20 MCS0	149	5745	19.00
		157	5785	19.00
		165	5825	19.00
	802.11ax-HE40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ax-HE80 MCS0	155	5775	18.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT20 MCS0	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ac-VHT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT80 MCS0	171	5855	16.50
	802.11ax-HE20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ax-HE40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ax-HE80 MCS0	171	5855	16.50

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<5GHz WLAN>

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00
		40	5200	18.00
		44	5220	18.50
		48	5240	16.50
	802.11n-HT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11n-HT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ac-VHT40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ac-VHT80 MCS0	42	5210	12.50
	802.11ax-HE20 MCS0	36	5180	14.00
		40	5200	17.50
		44	5220	18.50
		48	5240	16.00
	802.11ax-HE40 MCS0	38	5190	12.00
		46	5230	17.00
	802.11ax-HE80 MCS0	42	5210	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.00	14.00	17.0
		40	5200	18.00	18.00	21.0
		44	5220	18.50	18.50	21.5
		48	5240	16.50	16.50	19.5
	802.11n-HT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11n-HT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ac-VHT40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ac-VHT80 MCS0	42	5210	12.50	12.50	15.5
	802.11ax-HE20 MCS0	36	5180	14.00	14.00	17.0
		40	5200	17.50	17.50	20.5
		44	5220	18.50	18.50	21.5
		48	5240	16.00	16.00	19.0
	802.11ax-HE40 MCS0	38	5190	12.00	12.00	15.0
		46	5230	17.00	17.00	20.0
	802.11ax-HE80 MCS0	42	5210	12.50	12.50	15.5

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00
		56	5280	18.00
		60	5300	17.50
		64	5320	13.50
	802.11n-HT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11n-HT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ac-VHT40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ac-VHT80 MCS0	58	5290	12.50
	802.11ax-HE20 MCS0	52	5260	19.00
		56	5280	17.00
		60	5300	16.50
		64	5320	14.50
	802.11ax-HE40 MCS0	54	5270	16.00
		62	5310	12.00
	802.11ax-HE80 MCS0	58	5290	12.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.00	19.00	22.0
		56	5280	18.00	18.00	21.0
		60	5300	17.50	17.50	20.5
		64	5320	13.50	13.50	16.5
	802.11n-HT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11n-HT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ac-VHT40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ac-VHT80 MCS0	58	5290	12.50	12.50	15.5
	802.11ax-HE20 MCS0	52	5260	19.00	19.00	22.0
		56	5280	17.00	17.00	20.0
		60	5300	16.50	16.50	19.5
		64	5320	14.50	14.50	17.5
	802.11ax-HE40 MCS0	54	5270	16.00	16.00	19.0
		62	5310	12.00	12.00	15.0
	802.11ax-HE80 MCS0	58	5290	12.50	12.50	15.5

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00
		116	5580	19.50
		124	5620	19.50
		132	5660	19.50
		144	5720	19.50
	802.11n-HT20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11n-HT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11ac-VHT40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ac-VHT80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00
	802.11ax-HE20 MCS0	100	5500	13.50
		116	5580	19.00
		124	5620	19.00
		132	5660	19.00
		144	5720	19.00
	802.11ax-HE40 MCS0	102	5510	13.50
		110	5550	17.00
		126	5630	17.00
		134	5670	17.00
		142	5710	18.00
	802.11ax-HE80 MCS0	106	5530	13.50
		122	5610	16.00
		138	5690	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.00	14.00	17.0
		116	5580	19.50	19.50	22.5
		124	5620	19.50	19.50	22.5
		132	5660	19.50	19.50	22.5
		144	5720	19.50	19.50	22.5
	802.11n-HT20 MCS0	100	5500	13.50	14.50	16.5
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		144	5720	19.00	19.00	22.0
	802.11n-HT40 MCS0	102	5510	13.50	14.00	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	100	5500	13.50	14.50	16.5
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		144	5720	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	102	5510	13.50	14.00	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	18.00	18.00	21.0
	802.11ax-HE20 MCS0	100	5500	13.50	14.50	16.5
		116	5580	19.00	19.00	22.0
		124	5620	19.00	19.00	22.0
		132	5660	19.00	19.00	22.0
		144	5720	19.00	19.00	22.0
	802.11ax-HE40 MCS0	102	5510	13.50	14.00	16.5
		110	5550	17.00	17.00	20.0
		126	5630	17.00	17.00	20.0
		134	5670	17.00	17.00	20.0
		142	5710	18.00	18.00	21.0
	802.11ax-HE80 MCS0	106	5530	13.50	13.50	16.5
		122	5610	16.00	16.00	19.0
		138	5690	18.00	18.00	21.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.50
		157	5785	18.50
		165	5825	18.50
	802.11n-HT20 MCS0	149	5745	18.50
		157	5785	18.50
		165	5825	18.50
	802.11n-HT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT20 MCS0	149	5745	18.50
		157	5785	18.50
		165	5825	18.50
	802.11ac-VHT40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ac-VHT80 MCS0	155	5775	18.00
	802.11ax-HE20 MCS0	149	5745	18.50
		157	5785	18.50
		165	5825	18.50
	802.11ax-HE40 MCS0	151	5755	18.00
		159	5795	18.00
	802.11ax-HE80 MCS0	155	5775	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.50	18.50	21.5
		157	5785	18.50	18.50	21.5
		165	5825	18.50	18.50	21.5
	802.11n-HT20 MCS0	149	5745	18.50	18.50	21.5
		157	5785	18.50	18.50	21.5
		165	5825	18.50	18.50	21.5
	802.11n-HT40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	149	5745	18.50	18.50	21.5
		157	5785	18.50	18.50	21.5
		165	5825	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	155	5775	18.00	18.00	21.0
	802.11ax-HE20 MCS0	149	5745	18.50	18.50	21.5
		157	5785	18.50	18.50	21.5
		165	5825	18.50	18.50	21.5
	802.11ax-HE40 MCS0	151	5755	18.00	18.00	21.0
		159	5795	18.00	18.00	21.0
	802.11ax-HE80 MCS0	155	5775	18.00	18.00	21.0

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT20 MCS0	169	5845	19.50
		173	5865	19.50
		177	5885	19.00
	802.11n-HT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ac-VHT40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ac-VHT80 MCS0	171	5855	16.50
	802.11ax-HE20 MCS0	169	5845	19.00
		173	5865	19.00
		177	5885	19.00
	802.11ax-HE40 MCS0	167	5835	18.00
		175	5875	18.00
	802.11ax-HE80 MCS0	171	5855	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
5.9GHz WLAN	802.11a 6Mbps	169	5845	19.50	19.50	22.5
		173	5865	19.50	19.50	22.5
		177	5885	19.00	19.00	22.0
	802.11n-HT20 MCS0	169	5845	19.50	19.50	22.5
		173	5865	19.50	19.50	22.5
		177	5885	19.00	19.00	22.0
	802.11n-HT40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ac-VHT20 MCS0	169	5845	19.00	19.00	22.0
		173	5865	19.00	19.00	22.0
		177	5885	19.00	19.00	22.0
	802.11ac-VHT40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ac-VHT80 MCS0	171	5855	16.50	16.50	19.5
	802.11ax-HE20 MCS0	169	5845	19.00	19.00	22.0
		173	5865	19.00	19.00	22.0
		177	5885	19.00	19.00	22.0
	802.11ax-HE40 MCS0	167	5835	18.00	18.00	21.0
		175	5875	18.00	18.00	21.0
	802.11ax-HE80 MCS0	171	5855	16.50	16.50	19.5

<Maximum Power - Power Index 0> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	18.50
		49	6195	20.00
		93	6415	20.00
		117	6535	20.00
		149	6695	20.00
		181	6855	20.00
	802.11ax-HE20 MCS0	1	5955	18.50
		49	6195	19.00
		93	6415	19.00
		117	6535	19.00
		149	6695	19.00
		181	6855	19.00
	802.11ax-HE40 MCS0	3	5965	17.00
		51	6205	18.00
		91	6405	18.00
		123	6565	18.00
		147	6685	18.00
		179	6845	18.00
	802.11ax-HE80 MCS0	7	5985	16.50
		55	6225	16.50
		87	6385	16.50
		135	6625	15.50
		151	6705	16.50
		167	6785	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	18.50	18.50	21.5
		49	6195	20.00	20.00	23.0
		93	6415	20.00	20.00	23.0
		117	6535	20.00	20.00	23.0
		149	6695	20.00	20.00	23.0
		181	6855	20.00	20.00	23.0
	802.11ax-HE20 MCS0	1	5955	18.50	18.50	21.5
		49	6195	19.00	19.00	22.0
		93	6415	19.00	19.00	22.0
		117	6535	19.00	19.00	22.0
		149	6695	19.00	19.00	22.0
		181	6855	19.00	19.00	22.0
	802.11ax-HE40 MCS0	3	5965	17.00	17.00	20.0
		51	6205	18.00	18.00	21.0
		91	6405	18.00	18.00	21.0
		123	6565	18.00	18.00	21.0
		147	6685	18.00	18.00	21.0
		179	6845	18.00	18.00	21.0
	802.11ax-HE80 MCS0	7	5985	16.50	16.50	19.5
		55	6225	16.50	16.50	19.5
		87	6385	16.50	16.50	19.5
		135	6625	15.50	15.50	18.5
		151	6705	16.50	16.50	19.5
		167	6785	16.50	16.50	19.5

<Power Index 1> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	14.00
		57	6235	14.00
		173	6815	15.00
	802.11ax-HE20 MCS0	1	5955	14.00
		57	6235	14.00
		173	6815	15.00
	802.11ax-HE40 MCS0	3	5965	14.00
		59	6245	14.00
		171	6805	15.00
	802.11ax-HE80 MCS0	7	5985	14.00
		71	6305	14.00
		167	6785	15.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	14.00	14.00	17.0
		57	6235	14.00	14.00	17.0
		173	6815	15.00	15.00	18.0
	802.11ax-HE20 MCS0	1	5955	14.00	14.00	17.0
		57	6235	14.00	14.00	17.0
		173	6815	15.00	15.00	18.0
	802.11ax-HE40 MCS0	3	5965	14.00	14.00	17.0
		59	6245	14.00	14.00	17.0
		171	6805	15.00	15.00	18.0
	802.11ax-HE80 MCS0	7	5985	14.00	14.00	17.0
		71	6305	14.00	14.00	17.0
		167	6785	15.00	15.00	18.0

<Power Index 2> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	14.00
		57	6235	14.00
		173	6815	15.00
	802.11ax-HE20 MCS0	1	5955	14.00
		57	6235	14.00
		173	6815	15.00
	802.11ax-HE40 MCS0	3	5965	14.00
		59	6245	14.00
		171	6805	15.00
	802.11ax-HE80 MCS0	7	5985	14.00
		71	6305	14.00
		167	6785	15.00

<Power Index 3> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	12.00
		57	6235	12.00
		173	6815	11.00
	802.11ax-HE20 MCS0	1	5955	12.00
		57	6235	12.00
		173	6815	11.00
	802.11ax-HE40 MCS0	3	5965	12.00
		59	6245	12.00
		171	6805	11.00
	802.11ax-HE80 MCS0	7	5985	12.00
		71	6305	12.00
		167	6785	11.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	12.00	12.00	15.0
		57	6235	12.00	12.00	15.0
		173	6815	11.00	11.00	14.0
	802.11ax-HE20 MCS0	1	5955	12.00	12.00	15.0
		57	6235	12.00	12.00	15.0
		173	6815	11.00	11.00	14.0
	802.11ax-HE40 MCS0	3	5965	12.00	12.00	15.0
		59	6245	12.00	12.00	15.0
		171	6805	11.00	11.00	14.0
	802.11ax-HE80 MCS0	7	5985	12.00	12.00	15.0
		71	6305	12.00	12.00	15.0
		167	6785	11.00	11.00	14.0

<Power Index 4> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	12.00
		57	6235	12.00
		173	6815	13.00
	802.11ax-HE20 MCS0	1	5955	12.00
		57	6235	12.00
		173	6815	13.00
	802.11ax-HE40 MCS0	3	5965	12.00
		59	6245	12.00
		171	6805	13.00
	802.11ax-HE80 MCS0	7	5985	12.00
		71	6305	12.00
		167	6785	13.00

<Power Index 5> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE20 MCS0	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE40 MCS0	3	5965	17.00
		59	6245	18.00
		171	6805	18.00
	802.11ax-HE80 MCS0	7	5985	16.50
		71	6305	16.50
		167	6785	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	18.50	18.50	21.5
		57	6235	19.00	19.00	22.0
		173	6815	19.00	19.00	22.0
	802.11ax-HE20 MCS0	1	5955	18.50	18.50	21.5
		57	6235	19.00	19.00	22.0
		173	6815	19.00	19.00	22.0
	802.11ax-HE40 MCS0	3	5965	17.00	17.00	20.0
		59	6245	18.00	18.00	21.0
		171	6805	18.00	18.00	21.0
	802.11ax-HE80 MCS0	7	5985	16.50	16.50	19.5
		71	6305	16.50	16.50	19.5
		167	6785	16.50	16.50	19.5

<Power Index 6> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE20 MCS0	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE40 MCS0	3	5965	17.00
		59	6245	18.00
		171	6805	18.00
	802.11ax-HE80 MCS0	7	5985	16.50
		71	6305	16.50
		167	6785	16.50

<Power Index 7> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE20 MCS0	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE40 MCS0	3	5965	17.00
		59	6245	18.00
		171	6805	18.00
	802.11ax-HE80 MCS0	7	5985	16.50
		71	6305	16.50
		167	6785	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	18.50	18.50	21.5
		57	6235	19.00	19.00	22.0
		173	6815	19.00	19.00	22.0
	802.11ax-HE20 MCS0	1	5955	18.50	18.50	21.5
		57	6235	19.00	19.00	22.0
		173	6815	19.00	19.00	22.0
	802.11ax-HE40 MCS0	3	5965	17.00	17.00	20.0
		59	6245	18.00	18.00	21.0
		171	6805	18.00	18.00	21.0
	802.11ax-HE80 MCS0	7	5985	16.50	16.50	19.5
		71	6305	16.50	16.50	19.5
		167	6785	16.50	16.50	19.5

<Power Index 8> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE20 MCS0	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE40 MCS0	3	5965	17.00
		59	6245	18.00
		171	6805	18.00
	802.11ax-HE80 MCS0	7	5985	16.50
		71	6305	16.50
		167	6785	16.50

<Power Index 9> - Standard Power client (SP)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE20 MCS0	1	5955	18.50
		57	6235	19.00
		173	6815	19.00
	802.11ax-HE40 MCS0	3	5965	17.00
		59	6245	18.00
		171	6805	18.00
	802.11ax-HE80 MCS0	7	5985	16.50
		71	6305	16.50
		167	6785	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	18.50	18.50	21.5
		57	6235	19.00	19.00	22.0
		173	6815	19.00	19.00	22.0
	802.11ax-HE20 MCS0	1	5955	18.50	18.50	21.5
		57	6235	19.00	19.00	22.0
		173	6815	19.00	19.00	22.0
	802.11ax-HE40 MCS0	3	5965	17.00	17.00	20.0
		59	6245	18.00	18.00	21.0
		171	6805	18.00	18.00	21.0
	802.11ax-HE80 MCS0	7	5985	16.50	16.50	19.5
		71	6305	16.50	16.50	19.5
		167	6785	16.50	16.50	19.5

<Maximum Power - Power Index 0>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7
		49	6195	7
		57	6235	7
		93	6415	7
		97	6435	8
		105	6475	8
		113	6515	8
		117	6535	8
		149	6695	8
		173	6815	8
		181	6855	8
		185	6875	8
		189	6895	6.5
		209	6995	6.5
		229	7095	7.5
	802.11ax-HE20 MCS0	1	5955	7.5
		49	6195	7.5
		57	6235	7.5
		93	6415	7.5
		97	6435	8.5
		105	6475	9
		113	6515	8.5
		117	6535	8.5
		149	6695	9
		173	6815	8.5
		181	6855	9
		185	6875	9
		189	6895	7
		209	6995	8.5
		229	7095	9.5
	802.11ax-HE40 MCS0	3	5965	10.5
		51	6205	10.5
		59	6245	10.5
		91	6405	10.5
		99	6445	11.5
		107	6485	11.5
		115	6525	12
		123	6565	12
		147	6685	12
		171	6805	11.5
		179	6845	12
		187	6885	11.5
		195	6925	10
		211	7005	10
		227	7085	10.5
	802.11ax-HE80 MCS0	7	5985	13.5
		55	6225	13.5
		71	6305	13.5
		87	6385	13.5
		103	6465	15
		119	6545	15
		135	6625	14.5
		151	6705	14.5
		167	6785	14.5
		183	6865	15
		199	6945	14.5
		215	7025	14.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	7	7	10
		49	6195	7	7	10
		57	6235	7	7	10
		93	6415	7	7	10
		97	6435	8	8	11
		105	6475	8	8	11
		113	6515	8	8	11
		117	6535	8	8	11
		149	6695	8	8	11
		173	6815	8	8	11
		181	6855	8	8	11
		185	6875	8	8	11
		189	6895	6.5	6.5	9.5
		209	6995	6.5	6.5	9.5
		229	7095	7.5	7.5	10.5
	802.11ax-HE20 MCS0	1	5955	7.5	7.5	10.5
		49	6195	7.5	7.5	10.5
		57	6235	7.5	7.5	10.5
		93	6415	7.5	7.5	10.5
		97	6435	8.5	8.5	11.5
		105	6475	9	9	12
		113	6515	8.5	8.5	11.5
		117	6535	8.5	8.5	11.5
		149	6695	9	9	12
		173	6815	8.5	8.5	11.5
		181	6855	9	9	12
		185	6875	9	9	12
		189	6895	7	7	10
		209	6995	8.5	8.5	11.5
		229	7095	9.5	9.5	12.5
	802.11ax-HE40 MCS0	3	5965	10.5	10.5	13.5
		51	6205	10.5	10.5	13.5
		59	6245	10.5	10.5	13.5
		91	6405	10.5	10.5	13.5
		99	6445	11.5	11.5	14.5
		107	6485	11.5	11.5	14.5
		115	6525	12	12	15
		123	6565	12	12	15
		147	6685	12	12	15
		171	6805	11.5	11.5	14.5
		179	6845	12	12	15
		187	6885	11.5	11.5	14.5
		195	6925	10	10	13
		211	7005	10	10	13
		227	7085	10.5	10.5	13.5
	802.11ax-HE80 MCS0	7	5985	13.5	13.5	16.5
		55	6225	13.5	13.5	16.5
		71	6305	13.5	13.5	16.5
		87	6385	13.5	13.5	16.5
		103	6465	15	15	18
		119	6545	15	15	18
		135	6625	14.5	14.5	17.5
		151	6705	14.5	14.5	17.5
		167	6785	14.5	14.5	17.5
		183	6865	15	15	18
		199	6945	14.5	14.5	17.5
		215	7025	14.5	14.5	17.5

<Power Index 1>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7.00
		57	6235	7.00
		113	6515	8.00
		173	6815	8.00
	802.11ax-HE20 MCS0	1	5955	7.50
		57	6235	7.50
		113	6515	8.50
		173	6815	8.50
	802.11ax-HE40 MCS0	3	5965	10.50
		59	6245	10.50
		107	6485	11.50
		171	6805	11.50
		227	7085	10.50
	802.11ax-HE80 MCS0	7	5985	13.50
		71	6305	13.50
		119	6545	14.00
		167	6785	14.50
		215	7025	14.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	7.00	7.00	10.0
		57	6235	7.00	7.00	10.0
		113	6515	8.00	8.00	11.0
		173	6815	8.00	8.00	11.0
	802.11ax-HE20 MCS0	1	5955	7.50	7.50	10.5
		57	6235	7.50	7.50	10.5
		113	6515	8.50	8.50	11.5
		173	6815	8.50	8.50	11.5
	802.11ax-HE40 MCS0	3	5965	10.50	10.50	13.5
		59	6245	10.50	10.50	13.5
		107	6485	11.50	11.50	14.5
		171	6805	11.50	11.50	14.5
		227	7085	10.50	10.50	13.5
	802.11ax-HE80 MCS0	7	5985	13.50	13.50	16.5
		71	6305	13.50	13.50	16.5
		119	6545	14.00	14.00	17.0
		167	6785	14.50	14.50	17.5
		215	7025	14.50	14.50	17.5

<Power Index 2>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7.00
		57	6235	7.00
		113	6515	8.00
		173	6815	8.00
	802.11ax-HE20 MCS0	1	5955	7.50
		57	6235	7.50
		113	6515	8.50
		173	6815	8.50
	802.11ax-HE40 MCS0	3	5965	10.50
		59	6245	10.50
		107	6485	11.50
		171	6805	11.50
		227	7085	10.50
	802.11ax-HE80 MCS0	7	5985	13.50
		71	6305	13.50
		119	6545	14.00
		167	6785	14.50
		215	7025	14.50

<Power Index 3>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7.00
		57	6235	7.00
		113	6515	8.00
		173	6815	8.00
	802.11ax-HE20 MCS0	1	5955	7.50
		57	6235	7.50
		113	6515	8.50
		173	6815	8.50
	802.11ax-HE40 MCS0	3	5965	10.50
		59	6245	10.50
		107	6485	10.00
		171	6805	11.00
		227	7085	10.50
	802.11ax-HE80 MCS0	7	5985	12.00
		71	6305	12.00
		119	6545	10.00
		167	6785	11.00
		215	7025	11.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	7.00	7.00	10.0
		57	6235	7.00	7.00	10.0
		113	6515	8.00	8.00	11.0
		173	6815	8.00	8.00	11.0
	802.11ax-HE20 MCS0	1	5955	7.50	7.50	10.5
		57	6235	7.50	7.50	10.5
		113	6515	8.50	8.50	11.5
		173	6815	8.50	8.50	11.5
	802.11ax-HE40 MCS0	3	5965	10.50	10.50	13.5
		59	6245	10.50	10.50	13.5
		107	6485	10.00	10.00	13.0
		171	6805	11.00	11.00	14.0
		227	7085	10.50	10.50	13.5
	802.11ax-HE80 MCS0	7	5985	12.00	12.00	15.0
		71	6305	12.00	12.00	15.0
		119	6545	10.00	10.00	13.0
		167	6785	11.00	11.00	14.0
		215	7025	11.00	11.00	14.0

<Power Index 4>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7.00
		57	6235	7.00
		113	6515	8.00
		173	6815	8.00
	802.11ax-HE20 MCS0	1	5955	7.50
		57	6235	7.50
		113	6515	8.50
		173	6815	8.50
	802.11ax-HE40 MCS0	3	5965	10.50
		59	6245	10.50
		107	6485	11.50
		171	6805	11.50
		227	7085	10.50
	802.11ax-HE80 MCS0	7	5985	12.00
		71	6305	12.00
		119	6545	12.00
		167	6785	13.00
		215	7025	13.00

<Power Index 5>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7.00
		57	6235	7.00
		113	6515	8.00
		173	6815	8.00
	802.11ax-HE20 MCS0	1	5955	7.50
		57	6235	7.50
		113	6515	8.50
		173	6815	8.50
	802.11ax-HE40 MCS0	3	5965	10.50
		59	6245	10.50
		107	6485	11.50
		171	6805	11.50
		227	7085	10.50
	802.11ax-HE80 MCS0	7	5985	13.50
		71	6305	13.50
		119	6545	15.00
		167	6785	14.50
		215	7025	14.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	7.00	7.00	10.0
		57	6235	7.00	7.00	10.0
		113	6515	8.00	8.00	11.0
		173	6815	8.00	8.00	11.0
	802.11ax-HE20 MCS0	1	5955	7.50	7.50	10.5
		57	6235	7.50	7.50	10.5
		113	6515	8.50	8.50	11.5
		173	6815	8.50	8.50	11.5
	802.11ax-HE40 MCS0	3	5965	10.50	10.50	13.5
		59	6245	10.50	10.50	13.5
		107	6485	11.50	11.50	14.5
		171	6805	11.50	11.50	14.5
		227	7085	10.50	10.50	13.5
	802.11ax-HE80 MCS0	7	5985	13.50	13.50	16.5
		71	6305	13.50	13.50	16.5
		119	6545	15.00	15.00	18.0
		167	6785	14.50	14.50	17.5
		215	7025	14.50	14.50	17.5

<Power Index 6>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7.00
		57	6235	7.00
		113	6515	8.00
		173	6815	8.00
	802.11ax-HE20 MCS0	1	5955	7.50
		57	6235	7.50
		113	6515	8.50
		173	6815	8.50
	802.11ax-HE40 MCS0	3	5965	10.50
		59	6245	10.50
		107	6485	11.50
		171	6805	11.50
		227	7085	10.50
	802.11ax-HE80 MCS0	7	5985	13.50
		71	6305	13.50
		119	6545	15.00
		167	6785	14.50
		215	7025	14.50

<Power Index 7>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7.00
		57	6235	7.00
		113	6515	8.00
		173	6815	8.00
	802.11ax-HE20 MCS0	1	5955	7.50
		57	6235	7.50
		113	6515	8.50
		173	6815	8.50
	802.11ax-HE40 MCS0	3	5965	10.50
		59	6245	10.50
		107	6485	11.50
		171	6805	11.50
		227	7085	10.50
	802.11ax-HE80 MCS0	7	5985	13.50
		71	6305	13.50
		119	6545	15.00
		167	6785	14.50
		215	7025	14.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	7.00	7.00	10.0
		57	6235	7.00	7.00	10.0
		113	6515	8.00	8.00	11.0
		173	6815	8.00	8.00	11.0
	802.11ax-HE20 MCS0	1	5955	7.50	7.50	10.5
		57	6235	7.50	7.50	10.5
		113	6515	8.50	8.50	11.5
		173	6815	8.50	8.50	11.5
	802.11ax-HE40 MCS0	3	5965	10.50	10.50	13.5
		59	6245	10.50	10.50	13.5
		107	6485	11.50	11.50	14.5
		171	6805	11.50	11.50	14.5
		227	7085	10.50	10.50	13.5
	802.11ax-HE80 MCS0	7	5985	13.50	13.50	16.5
		71	6305	13.50	13.50	16.5
		119	6545	15.00	15.00	18.0
		167	6785	14.50	14.50	17.5
		215	7025	14.50	14.50	17.5

<Power Index 8>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7.00
		57	6235	7.00
		113	6515	8.00
		173	6815	8.00
	802.11ax-HE20 MCS0	1	5955	7.50
		57	6235	7.50
		113	6515	8.50
		173	6815	8.50
	802.11ax-HE40 MCS0	3	5965	10.50
		59	6245	10.50
		107	6485	11.50
		171	6805	11.50
		227	7085	10.50
	802.11ax-HE80 MCS0	7	5985	13.50
		71	6305	13.50
		119	6545	15.00
		167	6785	14.50
		215	7025	14.50

<Power Index 9>- Low Power Indoor (LPI)

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	7.00
		57	6235	7.00
		113	6515	8.00
		173	6815	8.00
	802.11ax-HE20 MCS0	1	5955	7.50
		57	6235	7.50
		113	6515	8.50
		173	6815	8.50
	802.11ax-HE40 MCS0	3	5965	10.50
		59	6245	10.50
		107	6485	11.50
		171	6805	11.50
		227	7085	10.50
	802.11ax-HE80 MCS0	7	5985	13.50
		71	6305	13.50
		119	6545	15.00
		167	6785	14.50
		215	7025	14.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO Ant 4+3		
	Mode	Channel	Frequency (MHz)	Tune-Up Limit Ant 4+3(4)	Tune-Up Limit Ant 4+3(3)	Tune-Up Limit Ant 4+3
WiFi 6E	802.11a 6Mbps	1	5955	7.00	7.00	10.0
		57	6235	7.00	7.00	10.0
		113	6515	8.00	8.00	11.0
		173	6815	8.00	8.00	11.0
	802.11ax-HE20 MCS0	1	5955	7.50	7.50	10.5
		57	6235	7.50	7.50	10.5
		113	6515	8.50	8.50	11.5
		173	6815	8.50	8.50	11.5
	802.11ax-HE40 MCS0	3	5965	10.50	10.50	13.5
		59	6245	10.50	10.50	13.5
		107	6485	11.50	11.50	14.5
		171	6805	11.50	11.50	14.5
		227	7085	10.50	10.50	13.5
	802.11ax-HE80 MCS0	7	5985	13.50	13.50	16.5
		71	6305	13.50	13.50	16.5
		119	6545	15.00	15.00	18.0
		167	6785	14.50	14.50	17.5
		215	7025	14.50	14.50	17.5

<Bluetooth Maximum Power>

General Note:

1. The device implements the power management for Bluetooth SAR compliance for different exposure conditions and user cases. In each exposure condition, the power index selection is determined by the user cases as tested in Section 15 of this report. Full details about the proprietary power management decision are illustrated in the operational description.

< Maximum Power – Power Index 0>

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	19.50	19.50
		39	2441	20.00	20.00
		78	2480	20.00	20.00
	BR / EDR 2Mbps	0	2402	18.00	18.00
		39	2441	18.50	18.50
		78	2480	18.50	18.50
	BR / EDR 3Mbps	0	2402	18.00	18.00
		39	2441	18.00	18.00
		78	2480	18.50	18.50
	LE 1Mbps	0	2402	19.50	19.50
		19	2440	20.00	20.00
		39	2480	20.00	20.00
	LE 2Mbps	0	2402	20.00	20.00
		19	2440	20.00	20.00
		39	2480	20.00	20.00
	LE CS ASK 1Mbps	2	2404	10.50	10.50
		38	2440	11.00	11.00
		76	2478	9.00	9.00
	LE CS ASK 2Mbps	2	2404	10.50	10.50
		38	2440	11.00	11.00
		76	2478	9.50	9.50
	LE CS GFSK 1Mbps	2	2404	9.50	9.50
		38	2440	10.00	10.00
		76	2478	8.00	8.00
	LE CS GFSK 2Mbps	2	2404	9.50	9.50
		38	2440	10.00	10.00
		76	2478	8.50	8.50
	HR 2Mbps	0	2402	18.50	18.50
		39	2441	18.50	18.50
		78	2480	18.00	18.00
	HR 4Mbps	2	2404	18.00	18.00
		39	2441	18.00	18.00
		76	2478	18.00	18.00
	HR 8Mbps	2	2404	18.00	18.00
		39	2441	18.00	18.00
		76	2478	14.50	14.50

<Power Index 1>

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	9.00	9.00
		39	2441	9.00	9.00
		78	2480	9.00	9.00
	BR / EDR 2Mbps	0	2402	9.00	9.00
		39	2441	9.00	9.00
		78	2480	9.00	9.00
	BR / EDR 3Mbps	0	2402	9.00	9.00
		39	2441	9.00	9.00
		78	2480	9.00	9.00
	LE 1Mbps	0	2402	9.00	9.00
		19	2440	9.00	9.00
		39	2480	9.00	9.00
	LE 2Mbps	0	2402	9.00	9.00
		19	2440	9.00	9.00
		39	2480	9.00	9.00
	LE CS ASK 1Mbps	2	2404	9.00	9.00
		38	2440	9.00	9.00
		76	2478	9.00	9.00
	LE CS ASK 2Mbps	2	2404	9.00	9.00
		38	2440	9.00	9.00
		76	2478	9.00	9.00
	LE CS GFSK 1Mbps	2	2404	9.00	9.00
		38	2440	9.00	9.00
		76	2478	8.00	8.00
	LE CS GFSK 2Mbps	2	2404	9.00	9.00
		38	2440	9.00	9.00
		76	2478	8.50	8.50
	HR 2Mbps	0	2402	9.00	9.00
		39	2441	9.00	9.00
		78	2480	9.00	9.00
	HR 4Mbps	2	2404	9.00	9.00
		39	2441	9.00	9.00
		76	2478	9.00	9.00
	HR 8Mbps	2	2404	9.00	9.00
		39	2441	9.00	9.00
		76	2478	9.00	9.00

<Power Index 2>

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	19.50	19.50
		39	2441	20.00	20.00
		78	2480	20.00	20.00
	BR / EDR 2Mbps	0	2402	18.00	18.00
		39	2441	18.50	18.50
		78	2480	18.50	18.50
	BR / EDR 3Mbps	0	2402	18.00	18.00
		39	2441	18.00	18.00
		78	2480	18.50	18.50
	LE 1Mbps	0	2402	19.50	19.50
		19	2440	20.00	20.00
		39	2480	20.00	20.00
	LE 2Mbps	0	2402	20.00	20.00
		19	2440	20.00	20.00
		39	2480	20.00	20.00
	LE CS ASK 1Mbps	2	2404	10.50	10.50
		38	2440	11.00	11.00
		76	2478	9.00	9.00
	LE CS ASK 2Mbps	2	2404	10.50	10.50
		38	2440	11.00	11.00
		76	2478	9.50	9.50
	LE CS GFSK 1Mbps	2	2404	9.50	9.50
		38	2440	10.00	10.00
		76	2478	8.00	8.00
	LE CS GFSK 2Mbps	2	2404	9.50	9.50
		38	2440	10.00	10.00
		76	2478	8.50	8.50
	HR 2Mbps	0	2402	18.50	18.50
		39	2441	18.50	18.50
		78	2480	18.00	18.00
	HR 4Mbps	2	2404	18.00	18.00
		39	2441	18.00	18.00
		76	2478	18.00	18.00
	HR 8Mbps	2	2404	18.00	18.00
		39	2441	18.00	18.00
		76	2478	14.50	14.50

< Power Index 3 >

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	15.00	19.50
		39	2441	15.00	20.00
		78	2480	15.00	20.00
	BR / EDR 2Mbps	0	2402	15.00	18.00
		39	2441	15.00	18.50
		78	2480	15.00	18.50
	BR / EDR 3Mbps	0	2402	15.00	18.00
		39	2441	15.00	18.00
		78	2480	15.00	18.50
	LE 1Mbps	0	2402	15.00	19.50
		19	2440	15.00	20.00
		39	2480	15.00	20.00
	LE 2Mbps	0	2402	15.00	20.00
		19	2440	15.00	20.00
		39	2480	15.00	20.00
	LE CS ASK 1Mbps	2	2404	10.50	10.50
		38	2440	11.00	11.00
		76	2478	9.00	9.00
	LE CS ASK 2Mbps	2	2404	10.50	10.50
		38	2440	11.00	11.00
		76	2478	9.50	9.50
	LE CS GFSK 1Mbps	2	2404	9.50	9.50
		38	2440	10.00	10.00
		76	2478	8.00	8.00
	LE CS GFSK 2Mbps	2	2404	9.50	9.50
		38	2440	10.00	10.00
		76	2478	8.50	8.50
	HR 2Mbps	0	2402	15.00	18.50
		39	2441	15.00	18.50
		78	2480	15.00	18.00
	HR 4Mbps	2	2404	15.00	18.00
		39	2441	15.00	18.00
		76	2478	15.00	18.00
	HR 8Mbps	2	2404	15.00	18.00
		39	2441	15.00	18.00
		76	2478	14.50	14.50

< Power Index 4 >

Burst Average Power (dBm)					
Transmit Antenna				SISO Ant 4	SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	15.00	15.00
		39	2441	15.00	15.00
		78	2480	15.00	15.00
	BR / EDR 2Mbps	0	2402	15.00	15.00
		39	2441	15.00	15.00
		78	2480	15.00	15.00
	BR / EDR 3Mbps	0	2402	15.00	15.00
		39	2441	15.00	15.00
		78	2480	15.00	15.00
	LE 1Mbps	0	2402	15.00	15.00
		19	2440	15.00	15.00
		39	2480	15.00	15.00
	LE 2Mbps	0	2402	15.00	15.00
		19	2440	15.00	15.00
		39	2480	15.00	15.00
	LE CS ASK 1Mbps	2	2404	10.50	10.50
		38	2440	11.00	11.00
		76	2478	9.00	9.00
	LE CS ASK 2Mbps	2	2404	10.50	10.50
		38	2440	11.00	11.00
		76	2478	9.50	9.50
	LE CS GFSK 1Mbps	2	2404	9.50	9.50
		38	2440	10.00	10.00
		76	2478	8.00	8.00
	LE CS GFSK 2Mbps	2	2404	9.50	9.50
		38	2440	10.00	10.00
		76	2478	8.50	8.50
	HR 2Mbps	0	2402	15.00	15.00
		39	2441	15.00	15.00
		78	2480	15.00	15.00
	HR 4Mbps	2	2404	15.00	15.00
		39	2441	15.00	15.00
		76	2478	15.00	15.00
	HR 8Mbps	2	2404	15.00	15.00
		39	2441	15.00	15.00
		76	2478	14.50	14.50

2.3 General LTE SAR Test and Reporting Considerations

<table>
<tr><th colspan="2">Summarized necessary items addressed in KDB 941225 D05 v02r05</th></tr>
<tr><td>FCC ID</td><td>A4RG8HHN</td></tr>
<tr><td>Equipment Name</td><td>Phone</td></tr>
<tr><td>Operating Frequency Range of each LTE transmission band</td><td>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</td></tr>
<tr><td>Channel Bandwidth</td><td>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</td></tr>
<tr><td>uplink modulations used</td><td>QPSK / 16QAM / 64QAM / 256QAM</td></tr>
<tr><td>LTE Voice / Data requirements</td><td>Voice and Data</td></tr>
<tr><td>LTE MPR permanently built-in by design</td><td>Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3
<table>
<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></td></tr>
<tr><td>LTE A-MPR</td><td>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)</td></tr>
<tr><td>Spectrum plots for RB configuration</td><td>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.</td></tr>
<tr><td>Power reduction applied to satisfy SAR compliance</td><td>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.</td></tr>
<tr><td>LTE Carrier Aggregation Combinations</td><td>Inter-Band and Intra-Band possible combinations and the detail power measurement please referred to section 13.</td></tr>
<tr><td>LTE Carrier Aggregation Additional Information</td><td>This device supports maximum of 6 carriers in the downlink and 2 carriers in the uplink. Additional following LTE Release features are not supported: Relay, HetNet, Enhanced MIMO, eICI, WiFi Offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA.</td></tr>
</table>

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	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20407	824.7	20415	825.5	20425	826.5	20450	829
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5
H	20643	848.3	20635	847.5	20625	846.5	20600	844
LTE Band 7								
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20775	2502.5	20800	2505	20825	2507.5	20850	2510
M	21100	2535	21100	2535	21100	2535	21100	2535
H	21425	2567.5	21400	2565	21375	2562.5	21350	2560
LTE Band 12								
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 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
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5
H	23173	715.3	23165	714.5	23155	713.5	23130	711
LTE Band 13				
	Bandwidth 5 MHz		Bandwidth 10 MHz	
	Channel #	Freq.(MHz)	Channel #	Freq.(MHz)
L	23205	779.5	23230	782
M	23230	782		
H	23255	784.5		
LTE Band 14				
	Bandwidth 5 MHz		Bandwidth 10 MHz	
	Channel #	Channel #	Channel #	Freq.(MHz)
L	23305	790.5	23330	793
M	23330	793		
H	23355	795.5		
LTE Band 17				
	Bandwidth 5 MHz		Bandwidth 10 MHz	
	Channel #	Freq.(MHz)	Channel #	Freq. (MHz)
L	23755	706.5	23780	709
M	23790	710	23790	710
H	23825	713.5	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)
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)
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)
L	39675	2498.5	39700	2501	39725	2503.5	39750	2506
LM	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5
M	40620	2593	40620	2593	40620	2593	40620	2593
HM	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)
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560
LM	55810	3607	55815	3607.5	55820	3608	55830	3609
MH	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)
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	A4RG8HHN
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 n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz
Channel Bandwidth	5G NR n2: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n5: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n7: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz, 50MHz 5G NR n48: 10MHz, 15MHz, 20MHz, 40MHz 5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz,30MHz, 40MHz 5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n77: 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 Bands for n2	LTE B5/12/13/14/48/71
LTE Anchor Bands for n5	LTE B2/7/30/48/66
LTE Anchor Bands for n7	LTE B5/12/13/71
LTE Anchor Bands for n48	LTE B2/66/71
LTE Anchor Bands for n66	LTE B5/12/13/14/48/71
LTE Anchor Bands for n71	LTE B2/7/66/48
LTE Anchor Bands for n77	LTE B2/5/7/12/13/14/25/26/30/41/66

NR Band 2

	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860
M	376000	1880	376000	1880	376000	1880	376000	1880
H	381500	1907.5	381000	1905	380500	1902.5	380000	1900

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 48

	Bandwidth10MHz		Bandwidth 15MHz		Bandwidth20MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	637000	3555	637168	3557.52	637334	3560.01	638000	3570
M	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99
H	646332	3694.98	646166	3692.49	646000	3690	645332	3679.98

NR Band 66														
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth25MHz		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	342500	1712.5	343000	1715	343500	1717.5	344000	1720	344500	1722.5	345000	1725	346000	1730
M	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	352000	1760

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																						
	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 77																						
	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	633334	
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	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	633332	

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 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/m2 averaged over 4 cm2
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 SAR_design_target.
2. GSM don't support time average feature of dynamic power varying, the power will be fixed at the static reduce power level at different exposure conditions for RF exposure compliance. For the GSM (TDD) Plimit power levels in the table correspond to the burst average power levels which don't account for TX duty cycle.
3. UMTS, LTE and 5GNR TDD: Plimit power levels in the table correspond to the time-averaged power levels which accounts for TX duty cycle.
4. Maximum target power, Pmax, is configured in NV settings in EUT to limit maximum transmitting power. This power is converted into peak power in NV settings for TDD schemes.

<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	Head		Hotspot	Body-worn		P Max Burst average power (dBm)
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	
			P limit						
			Burst average power (dBm)						
GSM850 GSM/GPRS 1TX	0	12.50%	32.50	37.10	34.70	34.30	37.50	34.30	32.50
GSM850 GPRS 2TX	0	25.00%	31.50	34.10	31.70	31.30	34.50	31.30	31.50
GSM850 GPRS 3TX	0	37.50%	30.50	32.40	30.00	29.60	32.80	29.60	30.50
GSM850 GPRS 4TX	0	50.00%	29.00	31.10	28.70	28.30	31.50	28.30	29.00
GSM850 EDGE 1TX	0	12.50%	27.00	37.10	34.70	34.30	37.50	34.30	27.00
GSM850 EDGE 2TX	0	25.00%	26.50	34.10	31.70	31.30	34.50	31.30	26.50
GSM850 EDGE 3TX	0	37.50%	26.50	32.40	30.00	29.60	32.80	29.60	26.50
GSM850 EDGE 4TX	0	50.00%	24.50	31.10	28.70	28.30	31.50	28.30	24.50
GSM850 GSM/GPRS 1TX	1	12.50%	32.00	30.90	28.80	38.50	39.30	38.50	32.00
GSM850 GPRS 2TX	1	25.00%	31.50	27.90	25.80	35.50	36.30	35.50	31.50
GSM850 GPRS 3TX	1	37.50%	29.50	26.00	23.90	33.60	34.40	33.60	29.50
GSM850 GPRS 4TX	1	50.00%	27.00	24.80	22.70	32.40	33.20	32.40	27.00
GSM850 EDGE 1TX	1	12.50%	26.50	30.90	28.80	38.50	39.30	38.50	26.50
GSM850 EDGE 2TX	1	25.00%	26.00	27.90	25.80	35.50	36.30	35.50	26.00
GSM850 EDGE 3TX	1	37.50%	26.00	26.00	23.90	33.60	34.40	33.60	26.00
GSM850 EDGE 4TX	1	50.00%	23.00	24.80	22.70	32.40	33.20	32.40	23.00
GSM1900 GSM/GPRS 1TX	2	12.50%	29.50	35.70	32.50	29.60	30.40	29.60	29.50
GSM1900 GPRS 2TX	2	25.00%	28.50	32.70	29.50	26.60	27.40	26.60	28.50
GSM1900 GPRS 3TX	2	37.50%	28.00	30.90	27.70	24.80	25.60	24.80	28.00
GSM1900 GPRS 4TX	2	50.00%	27.00	29.70	26.50	23.60	24.40	23.60	27.00
GSM1900 EDGE 1TX	2	12.50%	25.00	35.70	32.50	29.60	30.40	29.60	25.00
GSM1900 EDGE 2TX	2	25.00%	24.00	32.70	29.50	26.60	27.40	26.60	24.00
GSM1900 EDGE 3TX	2	37.50%	24.00	30.90	27.70	24.80	25.60	24.80	24.00
GSM1900 EDGE 4TX	2	50.00%	23.00	29.70	26.50	23.60	24.40	23.60	23.00
GSM1900 GSM/GPRS 1TX	0	12.50%	29.00	34.90	34.10	32.80	34.90	34.10	29.00
GSM1900 GPRS 2TX	0	25.00%	28.50	31.90	31.10	29.80	31.90	31.10	28.50
GSM1900 GPRS 3TX	0	37.50%	27.50	30.10	29.30	28.00	30.10	29.30	27.50
GSM1900 GPRS 4TX	0	50.00%	26.50	28.90	28.10	26.80	28.90	28.10	26.50
GSM1900 EDGE 1TX	0	12.50%	25.00	34.90	34.10	32.80	34.90	34.10	25.00
GSM1900 EDGE 2TX	0	25.00%	23.50	31.90	31.10	29.80	31.90	31.10	23.50
GSM1900 EDGE 3TX	0	37.50%	23.50	30.10	29.30	28.00	30.10	29.30	23.50
GSM1900 EDGE 4TX	0	50.00%	22.50	28.90	28.10	26.80	28.90	28.10	22.50

<Plimit for supported technologies and bands (Plimit corresponding to SAR design target)>

Wireless technology/ band (No Accounting duty cycle)	Antenna	Duty cycle	Maximum Power Condition	Head		Hotspot	Body-worn		P Max Time-average power (dBm)
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	
			P limit						
			Time-average power (dBm)						
WCDMA B2	2	100.00%	24.70	26.30	24.30	19.70	20.50	19.70	24.70
WCDMA B2	0	100.00%	24.20	24.50	23.00	22.90	25.10	23.70	24.20
WCDMA B4	2	100.00%	24.70	26.70	24.10	21.70	22.50	21.70	24.70
WCDMA B4	0	100.00%	24.20	27.00	26.20	22.80	25.30	22.80	24.20
WCDMA B5	0	100.00%	24.70	28.10	27.30	24.70	30.10	29.30	24.70
WCDMA B5	1	100.00%	24.20	21.10	19.00	24.90	28.10	27.30	24.20
LTE B2	2	100.00%	24.70	25.70	23.70	19.90	20.70	19.90	24.70
LTE B2	0	100.00%	24.20	26.00	25.20	23.20	26.00	23.20	24.20
LTE B2	1	100.00%	24.70	19.80	19.00	25.90	27.90	27.10	24.70
LTE B2	5	100.00%	24.20	16.70	12.50	20.50	24.60	23.40	24.20
LTE B5	0	100.00%	24.70	27.60	26.80	25.10	27.50	26.70	24.70
LTE B5	1	100.00%	24.20	20.10	18.00	28.00	28.80	28.00	24.20
LTE B7	2	100.00%	24.70	23.50	21.50	18.20	22.60	21.30	24.70
LTE B7	0	100.00%	24.20	24.50	22.80	20.90	22.70	21.00	24.20
LTE B12	0	100.00%	24.80	30.00	29.20	26.30	28.10	27.30	24.80
LTE B12	1	100.00%	24.30	21.40	19.30	28.20	29.00	28.20	24.30
LTE B13	0	100.00%	24.70	27.00	26.20	23.60	26.30	23.60	24.70
LTE B13	1	100.00%	24.20	22.10	20.00	23.50	28.10	27.30	24.20
LTE B14	0	100.00%	24.70	26.80	26.00	23.30	26.30	23.60	24.70
LTE B14	1	100.00%	24.20	20.50	18.40	24.10	28.40	27.60	24.20
LTE B17	0	100.00%	24.70	29.90	29.10	26.20	28.00	27.20	24.70
LTE B17	1	100.00%	24.20	21.40	19.30	28.20	29.00	28.20	24.20
LTE B25	2	100.00%	24.70	25.70	23.70	19.90	20.70	19.90	24.70
LTE B25	0	100.00%	24.20	26.00	25.20	23.20	26.00	23.20	24.20
LTE B26	0	100.00%	24.70	27.60	26.80	25.10	27.50	26.70	24.70
LTE B26	1	100.00%	24.20	20.10	18.00	28.00	28.80	28.00	24.20
LTE B30	2	100.00%	23.00	24.90	22.90	19.30	20.10	19.30	23.00
LTE B30	0	100.00%	24.20	25.80	24.10	22.70	25.90	23.20	24.20
LTE B38 PC3	2	63.30%	22.00	22.10	20.10	17.90	22.60	21.50	22.00
LTE B38 PC3	0	63.30%	21.50	24.40	23.60	20.30	23.90	21.20	21.50
LTE B41 PC3	2	63.30%	22.70	22.10	20.10	17.90	22.60	21.50	22.70
LTE B41 PC3	0	63.30%	22.20	24.40	23.60	20.30	23.90	21.20	22.20
LTE B41/B38 PC2	2	43.30%	22.90	22.10	20.10	17.90	22.60	21.50	22.90
LTE B41/B38 PC2	0	43.30%	22.40	24.40	23.60	20.30	23.90	21.20	22.40
LTE B48	6	63.30%	22.20	23.50	22.00	18.60	21.60	20.80	22.20
LTE B48	2	63.30%	22.20	25.00	24.20	19.40	24.30	21.90	22.20
LTE B66/B4	2	100.00%	24.70	27.50	24.50	22.40	23.20	22.40	24.70
LTE B66/B4	0	100.00%	24.20	26.90	26.10	22.30	25.00	22.30	24.20
LTE B66	1	100.00%	24.70	20.40	19.60	26.00	27.80	27.00	24.70
LTE B66	5	100.00%	24.20	23.40	19.30	28.30	31.80	31.00	24.20
LTE B71	0	100.00%	24.80	29.60	28.80	26.80	27.70	26.90	24.80
LTE B71	1	100.00%	24.30	22.00	20.00	29.10	29.90	29.10	24.30

<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	Head		Hotspot	Body-worn		P Max Time-average power (dBm)
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	
			P limit						
			Time-average power (dBm)						
FR1 n2	2	100.00%	24.70	25.80	24.10	19.20	20.00	19.20	24.70
FR1 n2	0	100.00%	24.20	25.00	23.50	23.00	25.60	23.40	24.20
FR1 n5	0	100.00%	24.70	27.70	26.90	24.50	27.40	26.60	24.70
FR1 n5	1	100.00%	24.20	21.20	19.20	27.60	28.40	27.60	24.20
FR1 n7	2	100.00%	24.70	25.00	23.00	19.00	22.90	22.00	24.70
FR1 n7	0	100.00%	24.20	24.20	22.70	20.30	22.60	20.70	24.20
FR1 n48	6	100.00%	24.20	24.40	23.60	18.60	21.30	20.50	24.20
FR1 n48	2	100.00%	24.20	25.50	23.50	19.40	23.90	22.40	24.20
FR1 n66	2	100.00%	24.70	26.40	24.40	22.00	22.80	22.00	24.70
FR1 n66	0	100.00%	24.20	26.80	26.00	22.60	25.30	22.60	24.20
FR1 n71	0	100.00%	24.80	30.60	29.80	26.50	27.40	26.60	24.80
FR1 n71	1	100.00%	24.30	22.20	20.10	28.80	29.70	28.90	24.30
FR1 n77 PC3	6	100.00%	24.20	22.70	21.90	17.80	20.10	19.30	24.20
FR1 n77 PC3	2	100.00%	23.20	23.50	21.50	18.00	20.10	18.80	23.20
FR1 n77 PC3	1	100.00%	24.00	16.20	15.40	22.10	25.90	25.10	24.00
FR1 n77 PC3	5	100.00%	24.00	15.30	11.10	18.70	23.60	21.20	24.00
FR1 n77 PC2	6	50.00%	23.30	22.70	21.90	17.80	20.10	19.30	23.30
FR1 n77 PC2	2	50.00%	22.20	23.50	21.50	18.00	20.10	18.80	22.20

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.

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 4cm^2 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/f2)	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/f2)	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
- 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:

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

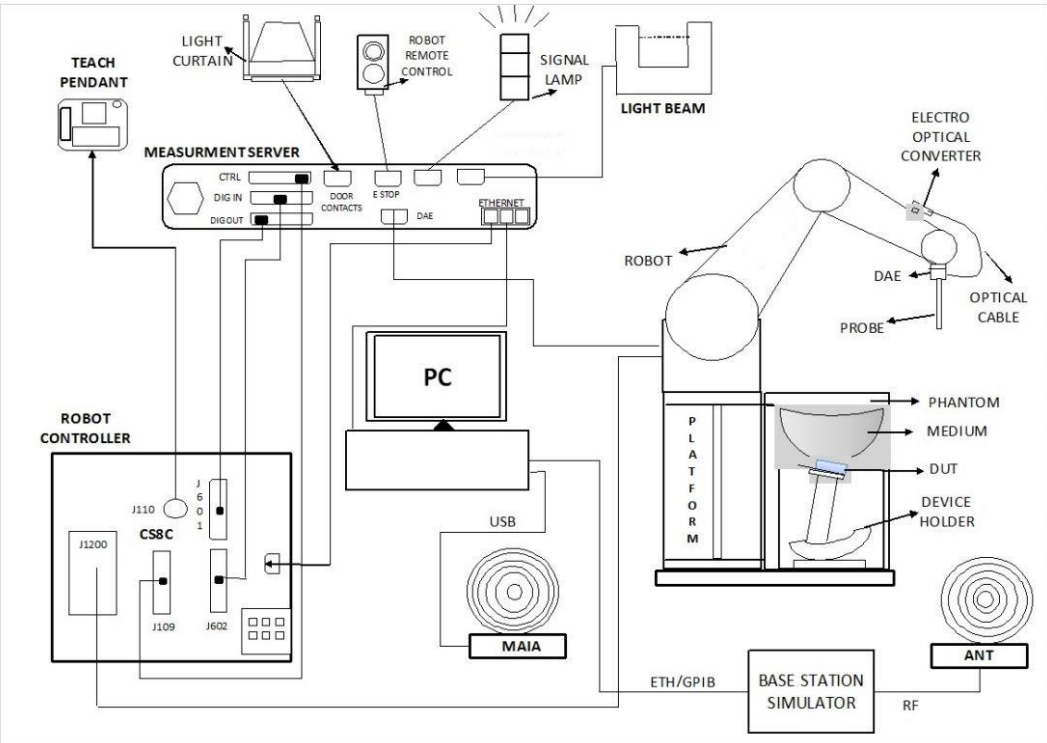
SAR is expressed in units of Watts per kilogram (W/kg)

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

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.

Test Site	EMC & Wireless Communications Laboratory		Wensan Laboratory		
Test Site Location	TW1190 No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan		TW3786 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
	SAR04-HY	SAR05-HY	SAR11-HY	SAR12-HY	SAR16-HY
	SAR06-HY	SAR10-HY	SAR13-HY	SAR14-HY	SAR17-HY
			SAR18-HY	SAR-20HY	

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 µW/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 µW/g – >100 mW/g Linearity: ±0.2 dB (noise: typically <1 µW/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.

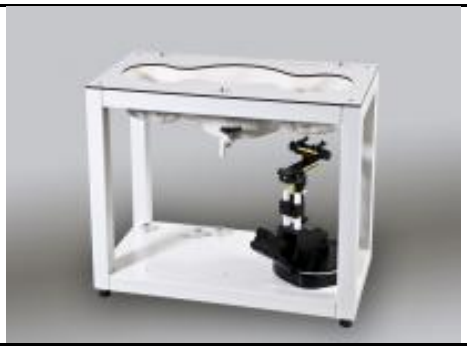
The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

Fig 5.1 Photo of DAE

7.4 Phantom

<SAM Twin Phantom>

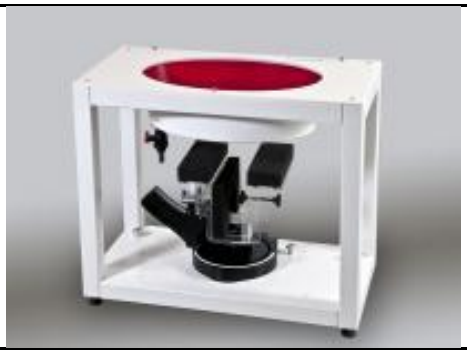
Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet
Measurement Areas	Left Hand, Right Hand, Flat Phantom



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 H 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 form 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	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
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 ≤ 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 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 shoes 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: Δx_{Zoom}, Δy_{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: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
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 *reported* SAR from the *area scan based 1-g SAR estimation* 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 for 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(2)	D750V3	1107	Jun. 22, 2022	Jun. 20, 2024
SPEAG	835MHz System Validation Kit	D835V2	4d167	Nov. 24, 2022	Nov. 23, 2023
SPEAG	1750MHz System Validation Kit(2)	D1750V2	1112	Jun. 22, 2022	Jun. 20, 2024
SPEAG	1900MHz System Validation Kit(2)	D1900V2	5d185	Jun. 17, 2022	Jun. 15, 2024
SPEAG	2300MHz System Validation Kit(2)	D2300V2	1006	Jan. 18, 2022	Jan. 16, 2024
SPEAG	2450MHz System Validation Kit	D2450V2	929	Nov. 21, 2022	Nov. 20, 2023
SPEAG	2600MHz System Validation Kit(2)	D2600V2	1078	Jun. 23, 2022	Jun. 21, 2024
SPEAG	3500MHz System Validation Kit(2)	D3500V2	1014	Jan. 17, 2022	Jan. 15, 2024
SPEAG	3500MHz System Validation Kit(2)	D3500V2	1036	Mar. 23, 2022	Mar. 21, 2024
SPEAG	3700MHz System Validation Kit(2)	D3700V2	1006	Jun. 20, 2022	Jun. 18, 2024
SPEAG	3900MHz System Validation Kit(2)	D3900V2	1017	Apr. 22, 2022	Apr. 20, 2024
SPEAG	3900MHz System Validation Kit	D3900V2	1092	May. 15, 2023	May. 14, 2024
SPEAG	5GHz System Validation Kit	D5GHzV2	1006	May. 25, 2023	May. 23, 2025
SPEAG	5GHz System Validation Kit	D5GHzV2	1171	Apr. 20, 2021	Apr. 17, 2024
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1003	Mar. 15, 2023	Mar. 14, 2024
SPEAG	13MHz System Validation Kit	CLA13	1022	Sep. 01, 2022	Aug. 30, 2024
SPEAG	5G Verification Source	10GHz	1020	Jan. 20, 2023	Jan. 19, 2024
SPEAG	EUmmWV Probe Tip Protection	EUmmWV3	9424	Mar. 21, 2023	Mar. 20, 2024
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9461	Oct. 25, 2022	Oct. 24, 2023
SPEAG	Data Acquisition Electronics	DAE4	656	Jan. 23, 2023	Jan. 22, 2024
SPEAG	Data Acquisition Electronics	DAE4	661	May. 23, 2023	May. 22, 2024
SPEAG	Data Acquisition Electronics	DAE4	699	Feb. 22, 2023	Feb. 21, 2024
SPEAG	Data Acquisition Electronics	DAE4	1696	Nov. 09, 2022	Nov. 08, 2023
SPEAG	Data Acquisition Electronics	DAE4	1697	Dec. 15, 2022	Dec. 14, 2023
SPEAG	Data Acquisition Electronics	DAE4	1707	Dec. 15, 2022	Dec. 14, 2023
SPEAG	Data Acquisition Electronics	DAE4	1805	May. 16, 2023	May. 15, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	3931	Oct. 31, 2022	Oct. 30, 2023
SPEAG	Dosimetric E-Field Probe	EX3DV4	7625	Jan. 26, 2023	Jan. 25, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7692	Jul. 18, 2023	Jul. 17, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7695	May. 22, 2023	May. 21, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7700	Jan. 24, 2023	Jan. 23, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7785	Jan. 05, 2023	Jan. 04, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7791	Feb. 22, 2023	Feb. 21, 2024
RCPTWN	Thermometer	HTC-1	TM685-1	Mar. 21, 2023	Mar. 20, 2024
RCPTWN	Thermometer	HTC-1	TM560-2	Mar. 21, 2023	Mar. 20, 2024
Anritsu	Radio Communication Analyzer	MT8821C	6201074414	Aug. 23, 2023	Aug. 22, 2024
Keysight	Wireless Communication Test Set	E5515C	MY50266977	May. 15, 2023	May. 14, 2024
R&S	Wideband Radio Communication Tester	CMX500	101931	Jul. 20, 2023	Jul. 19, 2024
R&S	BT Base Station	CBT	100815	Mar. 05, 2023	Mar. 04, 2024
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3692A	212506	Nov. 14, 2022	Nov. 13, 2023
Keysight	ENA Network Analyzer	E5071C	MY46316648	Sep. 07, 2023	Sep. 06, 2024
SPEAG	Dielectric Probe Kit	DAK-3.5	1146	Jul. 11, 2023	Jul. 10, 2024
SPEAG	Dielectric Probe Kit	DAK-12	1156	Jul. 17, 2023	Jul. 16, 2024
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3690	Aug. 09, 2023	Aug. 08, 2024
Anritsu	Power Meter	ML2495A	1419002	Aug. 17, 2023	Aug. 16, 2024
Anritsu	Power Sensor	MA2411B	1911176	Aug. 18, 2023	Aug. 17, 2024
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 10, 2023	Jul. 09, 2024
Mini-Circuits	Power Amplifier	ZHL-42W+	715701915	May. 19, 2023	May. 18, 2024
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:

1. 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.
2. 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℃ to 25℃, 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℃ to 25℃ and within ± 2℃ 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>

Frequency (MHz)	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (ε_r)	Conductivity Target (σ)	Permittivity Target (ε_r)	Delta (σ) (%)	Delta (ε_r) (%)	Limit (%)	Date
13	22.3	0.728	54.685	0.75	55.00	-2.93	-0.57	±5	2023/10/13
750	22.6	0.895	43.400	0.89	41.90	0.56	3.58	±5	2023/9/12
750	22.4	0.890	41.900	0.89	41.90	0.00	0.00	±5	2023/9/14
750	22.3	0.887	41.700	0.89	41.90	-0.34	-0.48	±5	2023/9/16
750	22.4	0.883	41.600	0.89	41.90	-0.79	-0.72	±5	2023/9/18
750	22.3	0.895	41.800	0.89	41.90	0.56	-0.24	±5	2023/9/23
750	22.6	0.889	41.800	0.89	41.90	-0.11	-0.24	±5	2023/9/25
835	22.8	0.926	41.500	0.90	41.50	2.89	0.00	±5	2023/9/13
835	22.3	0.921	41.400	0.90	41.50	2.33	-0.24	±5	2023/9/16
835	22.1	0.930	41.600	0.90	41.50	3.33	0.24	±5	2023/9/19
835	22.6	0.892	41.400	0.90	41.50	-0.89	-0.24	±5	2023/9/24
835	22.2	0.920	41.400	0.90	41.50	2.22	-0.24	±5	2023/9/25
1750	22.5	1.350	40.900	1.37	40.10	-1.46	2.00	±5	2023/9/15
1750	22.6	1.350	40.800	1.37	40.10	-1.46	1.75	±5	2023/9/20
1750	22.6	1.360	40.900	1.37	40.10	-0.73	2.00	±5	2023/9/24
1750	22.9	1.370	41.100	1.37	40.10	0.00	2.49	±5	2023/9/29
1750	22.7	1.360	40.600	1.37	40.10	-0.73	1.25	±5	2023/10/13
1900	22.8	1.460	39.500	1.40	40.00	4.29	-1.25	±5	2023/8/30
1900	22.2	1.420	39.300	1.40	40.00	1.43	-1.75	±5	2023/9/17
1900	22.7	1.420	40.800	1.40	40.00	1.43	2.00	±5	2023/9/20
1900	22.6	1.430	41.000	1.40	40.00	2.14	2.50	±5	2023/9/21
1900	22.2	1.430	39.400	1.40	40.00	2.14	-1.50	±5	2023/9/26
1900	22.3	1.440	39.400	1.40	40.00	2.86	-1.50	±5	2023/10/3
1900	22.7	1.440	38.700	1.40	40.00	2.86	-3.25	±5	2023/10/11
2300	22.7	1.670	39.100	1.67	39.50	0.00	-1.01	±5	2023/9/21
2300	22.4	1.670	39.000	1.67	39.50	0.00	-1.27	±5	2023/9/27
2450	22.5	1.790	40.000	1.80	39.20	-0.56	2.04	±5	2023/9/21
2450	22.5	1.770	39.000	1.80	39.20	-1.67	-0.51	±5	2023/10/3
2450	22.6	1.800	38.800	1.80	39.20	0.00	-1.02	±5	2023/10/6
2450	22.5	1.850	38.900	1.80	39.20	2.78	-0.77	±5	2023/10/6
2450	22.9	1.790	39.900	1.80	39.20	-0.56	1.79	±5	2023/10/19
2600	22.7	2.000	37.900	1.96	39.00	2.04	-2.82	±5	2023/9/21
2600	22.4	1.980	37.800	1.96	39.00	1.02	-3.08	±5	2023/9/24
2600	22.6	1.980	38.800	1.96	39.00	1.02	-0.51	±5	2023/9/26
2600	22.4	1.990	37.900	1.96	39.00	1.53	-2.82	±5	2023/9/27
2600	22.2	1.980	38.000	1.96	39.00	1.02	-2.56	±5	2023/9/28
2600	22.3	1.970	37.800	1.96	39.00	0.51	-3.08	±5	2023/10/4
3500	22.5	2.970	38.400	2.91	37.90	2.06	1.32	±5	2023/9/22
3500	22.6	2.920	37.600	2.91	37.90	0.34	-0.79	±5	2023/9/29
3500	22.7	2.920	37.800	2.91	37.90	0.34	-0.26	±5	2023/10/3
3500	22.5	2.950	38.200	2.91	37.90	1.37	0.79	±5	2023/10/5
3500	22.6	2.960	38.100	2.91	37.90	1.72	0.53	±5	2023/10/5

3500	22.7	2.950	37.400	2.91	37.90	1.37	-1.32	±5	2023/10/7
3500	22.7	2.950	37.900	2.91	37.90	1.37	0.00	±5	2023/10/7
3500	22.8	2.930	37.300	2.91	37.90	0.69	-1.58	±5	2023/10/8
3500	22.6	3.010	37.900	2.91	37.90	3.44	0.00	±5	2023/10/9
3500	22.7	2.950	38.100	2.91	37.90	1.37	0.53	±5	2023/10/12
3500	22.3	2.920	37.600	2.91	37.90	0.34	-0.79	±5	2023/10/31
3500	22.2	2.930	38.200	2.91	37.90	0.69	0.79	±5	2023/11/1
3700	22.5	3.130	38.200	3.12	37.70	0.32	1.33	±5	2023/9/22
3700	22.6	3.080	37.400	3.12	37.70	-1.28	-0.80	±5	2023/9/29
3700	22.7	3.110	37.700	3.12	37.70	-0.32	0.00	±5	2023/10/3
3700	22.5	3.110	38.000	3.12	37.70	-0.32	0.80	±5	2023/10/5
3700	22.6	3.120	37.800	3.12	37.70	0.00	0.27	±5	2023/10/5
3700	22.7	3.140	37.100	3.12	37.70	0.64	-1.59	±5	2023/10/7
3700	22.8	3.120	37.000	3.12	37.70	0.00	-1.86	±5	2023/10/8
3700	22.7	3.160	37.900	3.12	37.70	1.28	0.53	±5	2023/10/12
3700	22.3	3.080	37.400	3.12	37.70	-1.28	-0.80	±5	2023/10/31
3700	22.2	3.140	38.000	3.12	37.70	0.64	0.80	±5	2023/11/1
3900	22.6	3.250	37.100	3.33	37.51	-2.40	-1.09	±5	2023/9/29
3900	22.7	3.250	37.300	3.33	37.51	-2.40	-0.56	±5	2023/10/1
3900	22.7	3.280	37.400	3.33	37.51	-1.50	-0.29	±5	2023/10/3
3900	22.6	3.290	37.600	3.33	37.51	-1.20	0.24	±5	2023/10/5
3900	22.5	3.380	37.000	3.33	37.51	1.50	-1.36	±5	2023/10/6
3900	22.7	3.340	36.900	3.33	37.51	0.30	-1.63	±5	2023/10/7
3900	22.7	3.280	37.300	3.33	37.51	-1.50	-0.56	±5	2023/10/7
3900	22.8	3.320	36.700	3.33	37.51	-0.30	-2.16	±5	2023/10/8
3900	22.3	3.250	37.100	3.33	37.51	-2.40	-1.09	±5	2023/10/31
3900	22.2	3.35	37.8	3.33	37.51	0.60	0.77	±5	2023/11/1
5250	22.5	4.680	35.800	4.71	35.95	-0.64	-0.42	±5	2023/9/22
5250	22.5	4.720	34.800	4.71	35.95	0.21	-3.20	±5	2023/9/24
5250	22.4	4.730	36.700	4.71	35.95	0.42	2.09	±5	2023/10/4
5250	22.5	4.680	35.700	4.71	35.95	-0.64	-0.70	±5	2023/10/5
5250	22.7	4.750	36.800	4.71	35.95	0.85	2.36	±5	2023/10/6
5250	22.5	4.670	37.200	4.71	35.95	-0.85	3.48	±5	2023/10/7
5250	22.5	4.820	36.500	4.71	35.95	2.34	1.53	±5	2023/12/7
5600	22.5	5.080	35.200	5.07	35.50	0.20	-0.85	±5	2023/9/22
5600	22.5	5.080	35.100	5.07	35.50	0.20	-1.13	±5	2023/10/5
5600	22.5	5.050	36.700	5.07	35.50	-0.39	3.38	±5	2023/10/7
5750	22.5	5.260	34.900	5.22	35.35	0.77	-1.27	±5	2023/9/22
5750	22.5	5.270	34.700	5.22	35.35	0.96	-1.84	±5	2023/10/5
5750	22.7	5.290	36.100	5.22	35.35	1.34	2.12	±5	2023/10/6
5750	22.5	5.190	36.500	5.22	35.35	-0.57	3.25	±5	2023/10/7
5850	22.5	5.380	34.700	5.32	35.25	1.13	-1.56	±5	2023/9/22
5850	22.5	5.380	34.600	5.32	35.25	1.13	-1.84	±5	2023/10/5
6500	22.5	6.170	35.000	6.07	34.50	1.65	1.45	±5	2023/9/23
6500	22.5	5.950	34.300	6.07	34.50	-1.98	-0.58	±5	2023/10/3

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.

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR11	2023/10/13	13	1000	CLA13-1022	EX3DV4 - SN7695	DAE4 Sn656	0.335	0.349	0.335	-4.29
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 (%)**
SAR17	2023/9/12	750	50	D750V3-1107	EX3DV4 - SN7700	DAE4 Sn1707	0.403	8.540	8.06	-5.62
SAR17	2023/9/14	750	50	D750V3-1107	EX3DV4 - SN7700	DAE4 Sn1707	0.427	8.540	8.54	0.00
SAR17	2023/9/16	750	50	D750V3-1107	EX3DV4 - SN7700	DAE4 Sn1707	0.426	8.540	8.52	-0.23
SAR17	2023/9/18	750	50	D750V3-1107	EX3DV4 - SN7700	DAE4 Sn1707	0.388	8.540	7.76	-9.13
SAR17	2023/9/23	750	50	D750V3-1107	EX3DV4 - SN7700	DAE4 Sn1707	0.427	8.540	8.54	0.00
SAR18	2023/9/25	750	50	D750V3-1107	EX3DV4 - SN3931	DAE4 Sn1696	0.392	8.540	7.84	-8.20
SAR17	2023/9/13	835	50	D835V2-4d167	EX3DV4 - SN7700	DAE4 Sn1707	0.461	9.800	9.22	-5.92
SAR17	2023/9/16	835	50	D835V2-4d167	EX3DV4 - SN7700	DAE4 Sn1707	0.446	9.800	8.92	-8.98
SAR17	2023/9/19	835	50	D835V2-4d167	EX3DV4 - SN7700	DAE4 Sn1707	0.471	9.800	9.42	-3.88
SAR18	2023/9/24	850	50	D835V2-4d167	EX3DV4 - SN3931	DAE4 Sn1696	0.468	9.800	9.36	-4.49
SAR17	2023/9/25	835	50	D835V2-4d167	EX3DV4 - SN7700	DAE4 Sn1707	0.446	9.800	8.92	-8.98
SAR17	2023/9/15	1750	50	D1750V2-1112	EX3DV4 - SN7700	DAE4 Sn1707	1.860	36.900	37.2	0.81
SAR17	2023/9/20	1750	50	D1750V2-1112	EX3DV4 - SN7700	DAE4 Sn1707	1.810	36.900	36.2	-1.90
SAR18	2023/9/24	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.750	36.900	35	-5.15
SAR17	2023/9/29	1750	50	D1750V2-1112	EX3DV4 - SN7700	DAE4 Sn1707	1.870	36.900	37.4	1.36
SAR16	2023/10/13	1750	50	D1750V2-1112	EX3DV4 - SN7692	DAE4 Sn661	1.680	36.900	33.6	-8.94
SAR18	2023/8/30	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.830	39.000	36.6	-6.15
SAR17	2023/9/17	1900	50	D1900V2-5d185	EX3DV4 - SN7700	DAE4 Sn1707	1.830	39.000	36.6	-6.15
SAR18	2023/9/20	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.930	39.000	38.6	-1.03
SAR18	2023/9/21	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.950	39.000	39	0.00
SAR17	2023/9/26	1900	50	D1900V2-5d185	EX3DV4 - SN7700	DAE4 Sn1707	1.870	39.000	37.4	-4.10
SAR17	2023/10/3	1900	50	D1900V2-5d185	EX3DV4 - SN7700	DAE4 Sn1707	1.840	39.000	36.8	-5.64
SAR16	2023/10/11	1900	50	D1900V2-5d185	EX3DV4 - SN7692	DAE4 Sn661	1.840	39.000	36.8	-5.64
SAR17	2023/9/21	2300	50	D2300V2-1006	EX3DV4 - SN7700	DAE4 Sn1707	2.270	48.300	45.4	-6.00
SAR17	2023/9/27	2300	50	D2300V2-1006	EX3DV4 - SN7700	DAE4 Sn1707	2.350	48.300	47	-2.69
SAR13	2023/9/21	2450	50	D2450V2-929	EX3DV4 - SN7625	DAE4 Sn1697	2.590	52.400	51.8	-1.15
SAR15	2023/10/3	2450	50	D2450V2-929	EX3DV4 - SN7791	DAE4 Sn699	2.460	52.400	49.2	-6.11
SAR15	2023/10/6	2450	50	D2450V2-929	EX3DV4 - SN7791	DAE4 Sn699	2.470	52.400	49.4	-5.73
SAR13	2023/10/6	2450	50	D2450V2-929	EX3DV4 - SN7625	DAE4 Sn1697	2.380	52.400	47.6	-9.16
SAR14	2023/10/19	2450	50	D2450V2-929	EX3DV4 - SN7785	DAE4 Sn699	2.460	52.400	49.2	-6.11
SAR17	2023/9/21	2600	50	D2600V2-1078	EX3DV4 - SN7700	DAE4 Sn1707	2.790	55.400	55.8	0.72
SAR17	2023/9/24	2600	50	D2600V2-1078	EX3DV4 - SN7700	DAE4 Sn1707	2.620	55.400	52.4	-5.42
SAR18	2023/9/26	2600	50	D2600V2-1078	EX3DV4 - SN3931	DAE4 Sn1696	2.710	55.400	54.2	-2.17
SAR17	2023/9/27	2600	50	D2600V2-1078	EX3DV4 - SN7700	DAE4 Sn1707	2.590	55.400	51.8	-6.50
SAR17	2023/9/28	2600	50	D2600V2-1078	EX3DV4 - SN7700	DAE4 Sn1707	2.590	55.400	51.8	-6.50
SAR17	2023/10/4	2600	50	D2600V2-1078	EX3DV4 - SN7700	DAE4 Sn1707	2.600	55.400	52	-6.14
SAR17	2023/9/22	3500	50	D3500V2-1014	EX3DV4 - SN7700	DAE4 Sn1707	3.230	67.200	64.6	-3.87
SAR18	2023/9/29	3500	50	D3500V2-1014	EX3DV4 - SN3931	DAE4 Sn1696	3.400	67.200	68	1.19
SAR16	2023/10/3	3500	50	D3500V2-1014	EX3DV4 - SN7692	DAE4 Sn661	3.550	67.200	71	5.65
SAR17	2023/10/5	3500	50	D3500V2-1014	EX3DV4 - SN7700	DAE4 Sn1707	3.030	67.200	60.6	-9.82
SAR16	2023/10/5	3500	50	D3500V2-1014	EX3DV4 - SN7692	DAE4 Sn661	3.140	67.200	62.8	-6.55
SAR17	2023/10/7	3500	50	D3500V2-1036	EX3DV4 - SN7700	DAE4 Sn1707	3.180	67.400	63.6	-5.64
SAR16	2023/10/7	3500	50	D3500V2-1036	EX3DV4 - SN7692	DAE4 Sn661	3.270	67.400	65.4	-2.97
SAR17	2023/10/8	3500	50	D3500V2-1036	EX3DV4 - SN7700	DAE4 Sn1707	3.080	67.400	61.6	-8.61
SAR16	2023/10/9	3500	50	D3500V2-1036	EX3DV4 - SN7692	DAE4 Sn661	3.160	67.400	63.2	-6.23
SAR16	2023/10/12	3500	50	D3500V2-1036	EX3DV4 - SN7692	DAE4 Sn661	3.150	67.400	63	-6.53

SAR16	2023/10/31	3500	50	D3500V2-1036	EX3DV4 - SN7692	DAE4 Sn661	3.540	67.400	70.8	5.04
SAR16	2023/11/1	3500	50	D3500V2-1036	EX3DV4 - SN7692	DAE4 Sn661	3.580	67.400	71.6	6.23
SAR17	2023/9/22	3700	50	D3700V2-1006	EX3DV4 - SN7700	DAE4 Sn1707	3.250	65.600	65	-0.91
SAR18	2023/9/29	3700	50	D3700V2-1006	EX3DV4 - SN3931	DAE4 Sn1696	3.060	65.600	61.2	-6.71
SAR16	2023/10/3	3700	50	D3700V2-1006	EX3DV4 - SN7692	DAE4 Sn661	3.080	65.600	61.6	-6.10
SAR17	2023/10/5	3700	50	D3700V2-1006	EX3DV4 - SN7700	DAE4 Sn1707	3.100	65.600	62	-5.49
SAR16	2023/10/5	3700	50	D3700V2-1006	EX3DV4 - SN7692	DAE4 Sn661	3.240	65.600	64.8	-1.22
SAR17	2023/10/7	3700	50	D3700V2-1006	EX3DV4 - SN7700	DAE4 Sn1707	3.200	65.600	64	-2.44
SAR17	2023/10/8	3700	50	D3700V2-1006	EX3DV4 - SN7700	DAE4 Sn1707	3.160	65.600	63.2	-3.66
SAR16	2023/10/12	3700	50	D3700V2-1006	EX3DV4 - SN7692	DAE4 Sn661	3.260	65.600	65.2	-0.61
SAR16	2023/10/31	3700	50	D3700V2-1006	EX3DV4 - SN7692	DAE4 Sn661	3.260	65.600	65.2	-0.61
SAR16	2023/11/1	3700	50	D3700V2-1006	EX3DV4 - SN7692	DAE4 Sn661	3.150	65.600	63	-3.96
SAR18	2023/9/29	3900	50	D3900V2-1092	EX3DV4 - SN3931	DAE4 Sn1696	3.060	67.000	61.2	-8.66
SAR18	2023/10/1	3900	50	D3900V2-1092	EX3DV4 - SN3931	DAE4 Sn1696	3.370	67.000	67.4	0.60
SAR16	2023/10/3	3900	50	D3900V2-1017-3900	EX3DV4 - SN7692	DAE4 Sn661	3.310	68.700	66.2	-3.64
SAR16	2023/10/5	3900	50	D3900V2-1017-3900	EX3DV4 - SN7692	DAE4 Sn661	3.220	68.700	64.4	-6.26
SAR17	2023/10/6	3900	50	D3900V2-1092	EX3DV4 - SN7700	DAE4 Sn1707	3.240	67.000	64.8	-3.28
SAR17	2023/10/7	3900	50	D3900V2-1092	EX3DV4 - SN7700	DAE4 Sn1707	3.080	67.000	61.6	-8.06
SAR16	2023/10/7	3900	50	D3900V2-1092	EX3DV4 - SN7692	DAE4 Sn661	3.360	67.000	67.2	0.30
SAR17	2023/10/8	3900	50	D3900V2-1092	EX3DV4 - SN7700	DAE4 Sn1707	3.020	67.000	60.4	-9.85
SAR16	2023/10/31	3900	50	D3900V2-1092	EX3DV4 - SN7692	DAE4 Sn661	3.570	67.000	71.4	6.57
SAR16	2023/11/1	3900	50	D3900V2-1092	EX3DV4 - SN7692	DAE4 Sn661	3.330	67.000	66.6	-0.60

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 (%)
SAR13	2023/9/22	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN7625	DAE4 Sn1697	4.010	81.200	80.2	-1.23
SAR13	2023/9/24	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN7625	DAE4 Sn1697	3.940	81.200	78.8	-2.96
SAR15	2023/10/4	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN7791	DAE4 Sn699	3.800	81.200	76	-6.40
SAR13	2023/10/5	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN7625	DAE4 Sn1697	4.080	81.200	81.6	0.49
SAR15	2023/10/6	5250	50	D5GHzV2-1171-5250	EX3DV4 - SN7791	DAE4 Sn699	4.410	80.300	88.2	9.84
SAR13	2023/10/7	5250	50	D5GHzV2-1171-5250	EX3DV4 - SN7625	DAE4 Sn1697	3.620	80.300	72.4	-9.84
SAR18	2023/12/7	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN3931	DAE4 Sn1805	3.690	81.200	73.8	-9.11
SAR13	2023/9/22	5600	50	D5GHzV2-1006-5600	EX3DV4 - SN7625	DAE4 Sn1697	3.950	84.700	79	-6.73
SAR13	2023/10/5	5600	50	D5GHzV2-1006-5600	EX3DV4 - SN7625	DAE4 Sn1697	4.620	84.700	92.4	9.09
SAR13	2023/10/7	5600	50	D5GHzV2-1171-5600	EX3DV4 - SN7625	DAE4 Sn1697	3.780	83.400	75.6	-9.35
SAR13	2023/9/22	5750	50	D5GHzV2-1006-5750	EX3DV4 - SN7625	DAE4 Sn1697	3.860	80.900	77.2	-4.57
SAR13	2023/10/5	5750	50	D5GHzV2-1006-5750	EX3DV4 - SN7625	DAE4 Sn1697	3.740	80.900	74.8	-7.54
SAR15	2023/10/6	5750	50	D5GHzV2-1171-5750	EX3DV4 - SN7791	DAE4 Sn699	4.150	80.400	83	3.23
SAR13	2023/10/7	5750	50	D5GHzV2-1171-5750	EX3DV4 - SN7625	DAE4 Sn1697	3.710	80.400	74.2	-7.71
SAR13	2023/9/22	5850	50	D5GHzV2-1006-5850	EX3DV4 - SN7625	DAE4 Sn1697	4.140	81.800	82.8	1.22
SAR13	2023/10/5	5850	50	D5GHzV2-1006-5850	EX3DV4 - SN7625	DAE4 Sn1697	3.950	81.800	79	-3.42
SAR13	2023/9/23	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7625	DAE4 Sn1697	30.100	297.000	301	1.35
SAR14	2023/10/3	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7785	DAE4 Sn1697	30.000	297.000	300	1.01

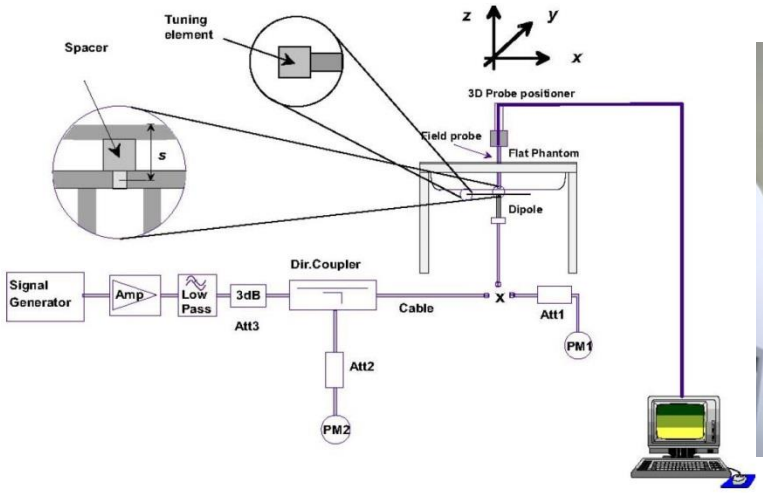


Fig 8.3.1 System Performance Check Setup

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 Site	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
SAR13	10G	10GHz_1020	9461	1697	10mm	58.2	54.9	0.25	2023/9/25
SAR13	10G	10GHz_1020	9424	1697	10mm	54.8	54.9	-0.01	2023/10/11

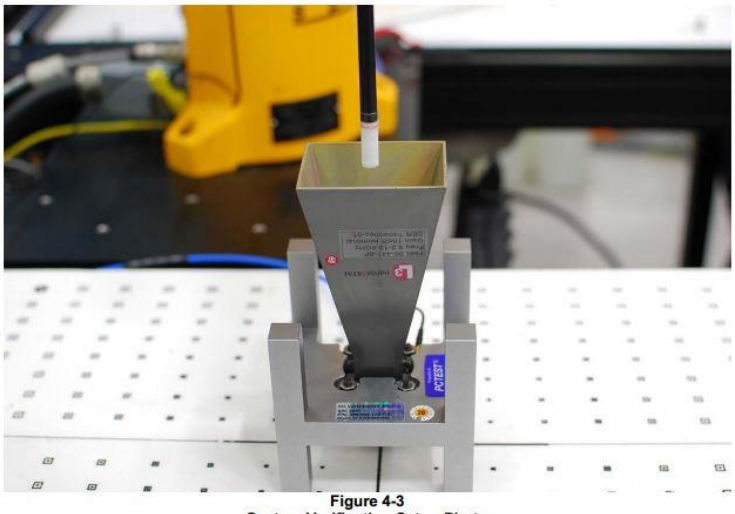


Figure 4-3
System Verification Setup Photo

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.

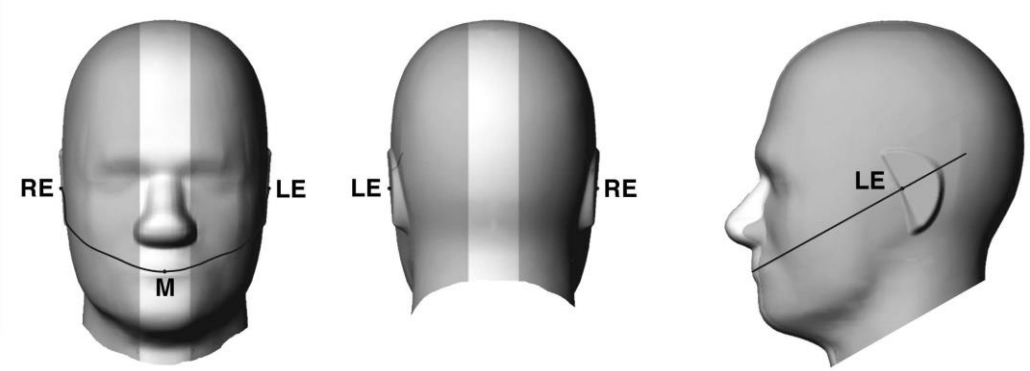


Fig 9.1.1 Front, back, and side views of SAM twin phantom

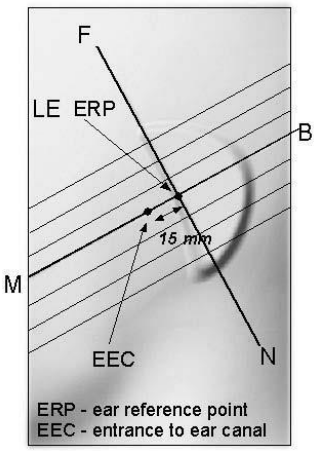


Fig 9.1.2 Close-up side view of phantom showing the ear region.

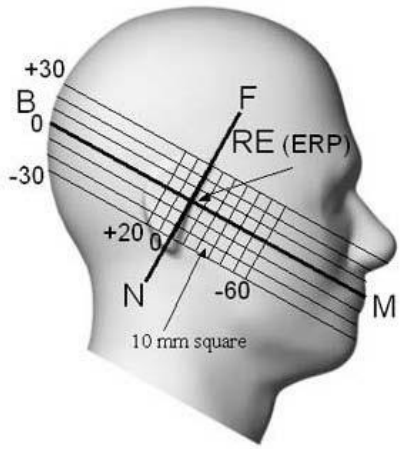


Fig 9.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

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 wt 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 wb 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.

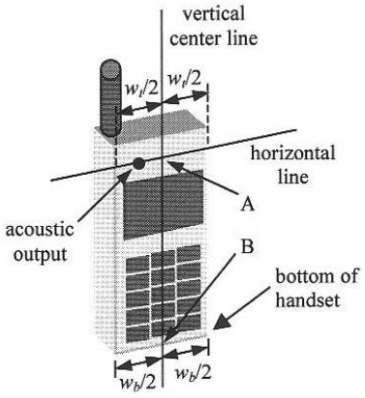


Fig 9.2.1 Handset vertical and horizontal reference lines—"fixed case

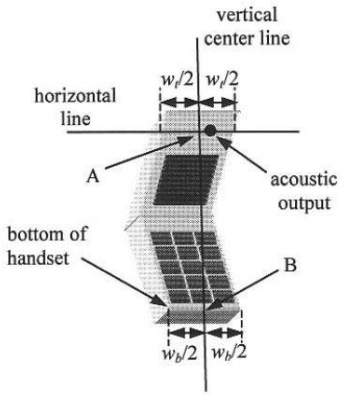


Fig 9.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

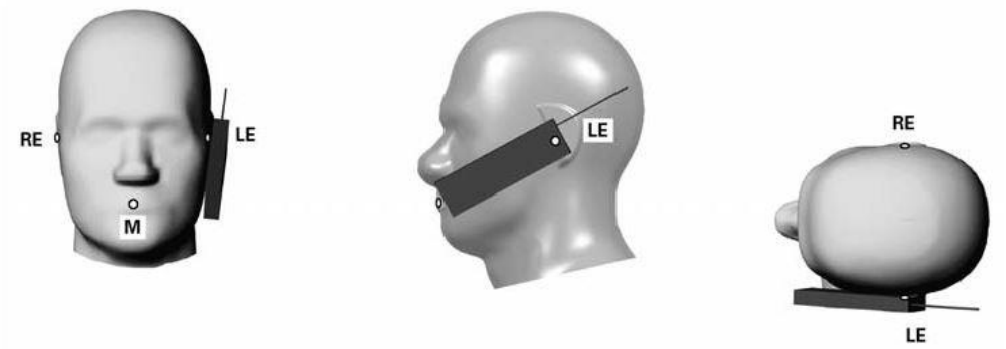


Fig 9.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

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

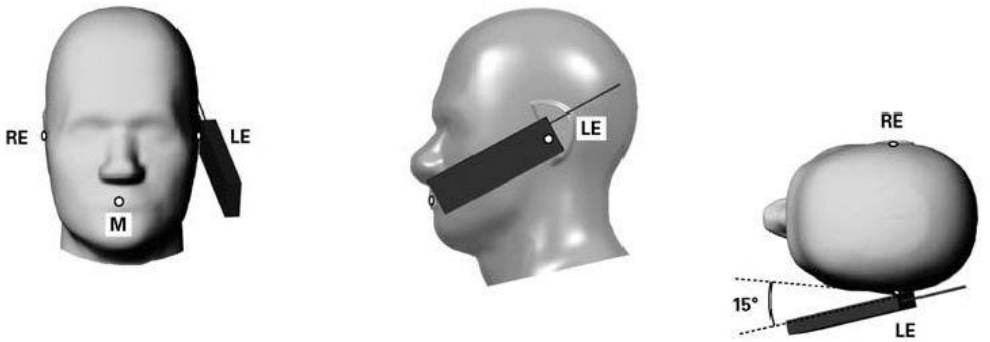


Fig 9.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

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 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.

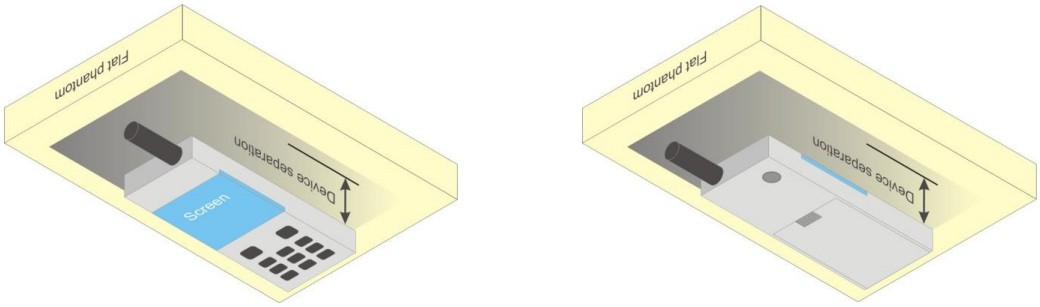


Fig 9.4 Body Worn Position

11.5 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 x W ≥ 9 cm x 5 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 form 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. Measurement procedure for output power and SAR

Detail output power measurement data is in the appendix D

<GSM Note>

1. Per KDB 447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.
2. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Therefore, the GPRS (4Tx slots) for GSM850/GSM1900 is considered as the primary mode.
3. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

<WCDMA Note>

1. The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
2. The procedures in KDB 941225 D01v03r01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode(s) to determine SAR test exclusion.
3. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”.
4. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA is ≤ ¼ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA.

A summary of these settings are illustrated below:

HSDPA Setup Configuration:

a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting:
   i. Set Gain Factors (β_c and β_d) and parameters were set according to each
   ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
   iii. Set RMC 12.2Kbps + HSDPA mode.
   iv. Set Cell Power = -86 dBm
   v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
   vi. Select HSDPA Uplink Parameters
   vii. Set Delta ACK, Delta NACK and Delta CQI = 8
   viii. Set Ack-Nack Repetition Factor to 3
   ix. Set CQI Feedback Cycle (k) to 4 ms
   x. Set CQI Repetition Factor to 2
   xi. Power Ctrl Mode = All Up bits
d. The transmitted maximum output power was recorded.

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

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

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and Δ_{NACK} = 30/15 with $\beta_{hs} = 30/15 * \beta_c$, and Δ_{CQI} = 24/15 with $\beta_{hs} = 24/15 * \beta_c$.

Note 3: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

Setup Configuration

HSUPA Setup Configuration:

a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting * :
   i. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
   ii. Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
   iii. Set Cell Power = -86 dBm
   iv. Set Channel Type = 12.2k + HSPA
   v. Set UE Target Power
   vi. Power Ctrl Mode= Alternating bits
   vii. Set and observe the E-TFCI
   viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
d. The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (Note 4) (Note 5)	β_{ed} (SF)	β_{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

Note 1: For sub-test 1 to 4, Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c. For sub-test 5, Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 5/15 with β_{hs} = 5/15 * β_c.

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

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

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

Setup Configuration

<LTE Note>

1. Anritsu MT8820C base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
8. For LTE B4/B5/B12/B17/B26/B38/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
9. LTE band 2/4/5/17/38 SAR test was covered by Band 25/66/26/12/41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
   a. the maximum output power, including tolerance, for the smaller band is ≤ the larger band to qualify for the SAR test exclusion
   b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band

<TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

a. 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
b. "special subframe S" contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS
c. Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Base station simulator was used for LTE output power measurements and SAR testing.

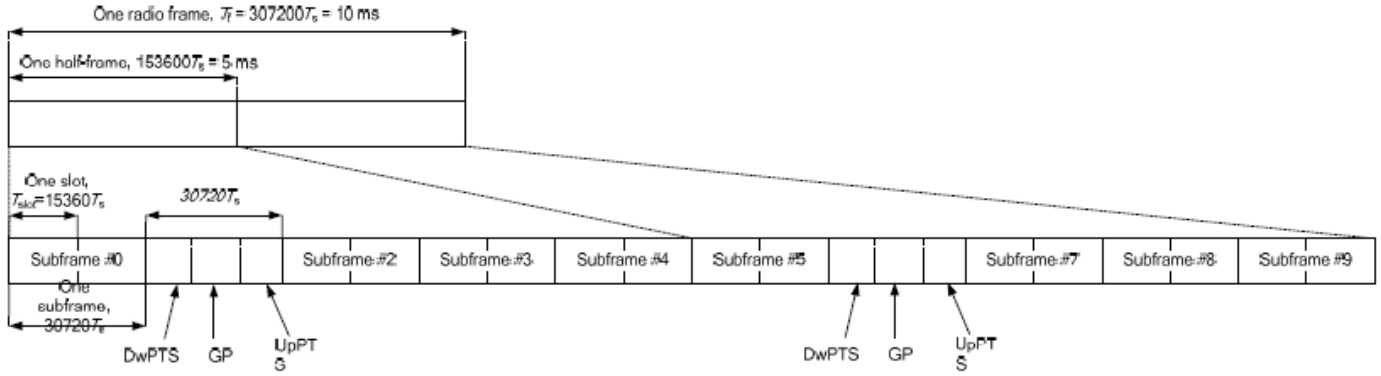


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

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

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Special subframe (30720·T_s): Normal cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	**Normal cyclic prefix in uplink**	**Extended cyclic prefix in uplink**
Uplink duty factor in one special subframe	**0~4**	7.13%	8.33%
	5~9	14.3%	16.7%

Special subframe(30720·T_s): Extended cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	**Normal cyclic prefix in uplink**	**Extended cyclic prefix in uplink**
Uplink duty factor in one special subframe	**0~3**	7.13%	8.33%
	4~7	14.3%	16.7%

The highest duty factor is resulted from:

i. Uplink-downlink configuration: 0. In a half-frame consisted of 5 subfames, uplink operation is in 3 uplink subframes and 1 special subframe.

ii. special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink

iii. for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (3+0.167)/5 = 63.3%

iv. for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (3+0.143)/5 = 62.9%

v. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

vi. The device supports Power Class 3 uplink-downlink configurations 0 and 6, and Power Class 2 uplink-downlink configurations 1 to 5.

vii. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1, for Power Class 3 operation is 63.3% using UL-DL configuration 0. Per FCC Guidance, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR among all exposure condition.

<5G NR Note>

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below
   a. For DFT-OFDM output power measurement, full measurement was done for Pi/2 BPSK and QPSK and for the largest supported bandwidth, repeat test for 16QAM/64QAM/256QAM under 1RB 1Offset configuration. For smaller bandwidth, measure conducted power for Pi/2 BPSK and 1RB 1Offset configuration.
   b. According to the tune-up, CP-OFDM output power is not ½ dB higher than DFT-OFDM mode, and the reported SAR of DFT-OFDM mode reported SAR is ≤ 1.45 W/kg, SAR test and thus conducted power for CP-OFDM mode is not required.
   c. To start SAR test for the largest channel bandwidth for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. Also do SAR test for 50% RB allocation for PI/2 BPSK SAR testing using 1RB PI/2 BPSK allocation procedure
   d. For PI/2 BPSK with 100% RB allocation, SAR test is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
   e. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not ½ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
   f. Smaller bandwidth output power for each RB allocation configuration for this device is not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
2. Due to test setup limitations, SAR testing for NR TDD Power class 3 was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. For NR TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.
3. For NR FDD was establishing connections via a base station simulator to use for output power measurement and SAR testing

<3GPP 38.101 MPR for EN-DC>

Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5[1]	≤ 1.2[1]	≤ 0.2[1]
		≤ 0.5[2]	≤ 0.5[2]	0[2]
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM	≤ 2.5		
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5	≤ 2.5	
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

<WLAN Note>

1. The 2.4GHz WLAN Ant 3, and 5G/6GHz WLAN ant 4 support SDB mode and only operation in power index 2,4,6,8
2. The 2.4GHz 802.11b mode support SISO mode and only operation in power index 1,3,5,7.
3. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For “Not required”, SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, additional output power measurements were not necessary.
4. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
5. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
6. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
7. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures. The initial test position procedure is described in the following:
   a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
   b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
   c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
8. Per 201904 TCBC workshops, General principles of FCC KDB Publication 248227 D01 can be applied to determine the SAR Initial Test Configurations and test reduction for 802.11ax SAR testing. For the table below the 802.11ax maximum power is SU (non-OFDMA), and the SU maximum power also higher than RU (OFDMA)
9. In applying the test guidance, the IEEE 802.11 mode with the maximum output power (out of all modes) should be considered for testing
10. For modes with the same maximum output power, the guidance from section 5.3.2 a) of FCC KDB Publication 248227 D01 should be applied, with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency bands
11. When SAR testing for 802.11ax is required
    a. If the maximum output power is highest for OFDMA scenarios, choose the tone size with the maximum number of tones and the highest maximum output power
    b. Otherwise, consider the fully allocated channel for SAR testing
    c. When SAR testing is required on RU sizes less than the fully allocated channel, use the RU number closest to the middle of the channel, choosing the higher RU number when two RUs are equidistant to the middle of the channel

<Bluetooth>

1. For 2.4GHz Bluetooth SAR testing was selected ER/EDR 1Mbps due to its highest average power and duty cycle list below are considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation, for the duty cycle figure and output power include in appendix D.

	Power Index	Antenna	Duty Cycle %
Bluetooth	1/2/3/4	Ant 4	77.07
	1/2/3/4	Ant 3	77.07

13. DL/UL carrier aggregation

<LTE Carrier Aggregation combinations>

General Note:

1. This device supports Carrier Aggregation on downlink only for inter and intra band, Uplink CA is not supported. For the device supports combination bands and configurations are according to 3GPP.
2. In applying the existing power measurement procedure of KDB 941225 D05A for DL CA SAR test exclusion, only the subset with the largest number of combinations of the frequency band and CCs in each row need consideration, and that configurations require power measurement should be highlighted in the below table.

2CC Downlink Carrier Aggregation			3CC Downlink Carrier Aggregation			4CC Downlink Carrier Aggregation		
Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset
1	CA_2C	383	71	CA_41D	332	203	CA_41E	332
2	CA_5B	378	72	CA_48D	383	204	CA_48E	383
3	CA_7C	380	73	CA_48A-48C	383	205	CA_48A-48D	383
4	CA_12B	367	74	CA_66A-66A-66A	383	206	CA_48C-48C	383
5	CA_38C		75	CA_66A-66B	383	207	CA_2A-2A-4A-4A	276
6	CA_41C	332	76	CA_66A-66C	383	208	CA_2A-2A-5B	364
7	CA_48C	383	77	CA_2A-2A-4A	276	209	CA_2A-2A-7A-7A	366
8	CA_66B	383	78	CA_2A-2A-5A	364	210	CA_2A-2A-7C	366
9	CA_66C	383	79	CA_2A-2A-7A	366	211	CA_2A-2A-12B	367
10	CA_2A-2A	383	80	CA_2A-2A-12A	367	212	CA_2A-2A-66A-66A	383
11	CA_4A-4A	339	81	CA_2A-2A-13A	370	213	CA_2A-2A-66B	383
12	CA_5A-5A	378	82	CA_2A-2A-14A	371	214	CA_2A-2A-66C	383
13	CA_7A-7A	380	83	CA_2A-2A-29A	359	215	CA_2A-48A-48C	383
14	CA_12A-12A	367	84	CA_2A-2A-30A	303	216	CA_2A-48D	383
15	CA_25A-25A	380	85	CA_2A-2A-66A	383	217	CA_2A-66A-66A-66A	383
16	CA_41A-41A	332	86	CA_2A-2A-71A	308	218	CA_2A-66A-66B	383
17	CA_48A-48A	383	87	CA_2A-4A-4A	276	219	CA_2C-66A-66A	383
18	CA_66A-66A	383	88	CA_2A-5A-5A	364	220	CA_4A-4A-5B	272
19	CA_2A-4A	276	89	CA_2A-5B	364	221	CA_4A-4A-12B	276
20	CA_2A-5A	364	90	CA_2A-7A-7A	366	222	CA_4A-48D	339
21	CA_2A-7A	366	91	CA_2A-7C	366	223	CA_5A-5A-66A-66A	378
22	CA_2A-12A	367	92	CA_2A-12A-12A	367	224	CA_5A-5A-66B	378
23	CA_2A-13A	370	93	CA_2A-12B	367	225	CA_5A-5A-66C	378
24	CA_2A-14A	371	94	CA_2A-48A-48A	383	226	CA_5A-48D	378
25	CA_2A-17A		95	CA_2A-48C	383	227	CA_5B-66A-66A	378
26	CA_2A-26A	180	96	CA_2A-66A-66A	383	228	CA_5B-66B	378
27	CA_2A-29A	359	97	CA_2A-66B	383	229	CA_5B-66C	378
28	CA_2A-30A	303	98	CA_2A-66C	383	230	CA_7A-7A-25A-25A	380
29	CA_2A-48A	383	99	CA_2C-66A	383	231	CA_7A-7A-66A-66A	380
30	CA_2A-66A	383	100	CA_4A-4A-5A	272	232	CA_7C-25A-25A	380
31	CA_2A-71A	308	101	CA_4A-4A-7A	274	233	CA_7C-66A-66A	380
32	CA_4A-5A	272	102	CA_4A-4A-12A	276	234	CA_12B-66A-66A	367
33	CA_4A-7A	274	103	CA_4A-4A-13A	160	235	CA_13A-48A-48C	382
34	CA_4A-12A	276	104	CA_4A-4A-71A	253	236	CA_13A-48D	382
35	CA_4A-13A	160	105	CA_4A-5B	272	237	CA_13A-66A-66B	382
36	CA_4A-17A		106	CA_4A-7A-7A	274	238	CA_13A-66A-66C	382
37	CA_4A-29A	189	107	CA_4A-7C	274	239	CA_13A-66D	382
38	CA_4A-30A	189	108	CA_4A-12A-12A	276	240	CA_14A-66A-66A-66A	371
39	CA_4A-48A	339	109	CA_4A-12B	276	241	CA_25A-41D	
40	CA_4A-71A	253	110	CA_4A-48C	339	242	CA_30A-66A-66A-66A	376
41	CA_5A-7A	375	111	CA_5A-5A-66A	378	243	CA_48A-48A-66A-66A	383
42	CA_5A-25A		112	CA_5A-7A-7A	375	244	CA_48A-48A-66B	383

43	CA_5A-30A	376	113	CA_5A-7C	375	245	CA_48A-48A-66C	383
44	CA_5A-48A	378	114	CA_5B-30A	376	246	CA_48A-48C-66A	383
45	CA_5A-66A	378	115	CA_5A-48C	378	247	CA_48C-66A-66A	383
46	CA_7A-12A	320	116	CA_5A-66A-66A	378	248	CA_48C-66B	383
47	CA_7A-13A	353	117	CA_5A-66B	378	249	CA_48C-66C	383
48	CA_7A-25A	380	118	CA_5A-66C	378	250	CA_48D-66A	383
49	CA_7A-26A	196	119	CA_5B-66A	378	251	CA_2A-2A-4A-5A	272
50	CA_7A-29A	324	120	CA_7A-7A-13A	353	252	CA_2A-2A-4A-12A	276
51	CA_7A-66A	380	121	CA_7A-7A-25A	380	253	CA_2A-2A-4A-71A	
52	CA_7A-71A	260	122	CA_7A-7A-26A	196	254	CA_2A-2A-5A-7A	279
53	CA_12A-25A		123	CA_7A-7A-29A	324	255	CA_2A-2A-5A-30A	280
54	CA_12A-30A	325	124	CA_7A-7A-66A	380	256	CA_2A-2A-5A-66A	364
55	CA_12A-48A	133	125	CA_7A-12B	320	257	CA_2A-2A-7A-12A	
56	CA_12A-66A	367	126	CA_7C-13A	353	258	CA_2A-2A-7A-13A	353
57	CA_13A-48A	382	127	CA_7A-25A-25A	380	259	CA_2A-2A-7A-66A	366
58	CA_13A-66A	382	128	CA_7C-25A	380	260	CA_2A-2A-7A-71A	
59	CA_14A-30A	330	129	CA_7C-26A	196	261	CA_2A-2A-12A-30A	
60	CA_14A-66A	371	130	CA_7C-29A	324	262	CA_2A-2A-12A-66A	367
61	CA_25A-26A	143	131	CA_7A-66A-66A	380	263	CA_2A-2A-13A-66A	370
62	CA_25A-41A	241	132	CA_7C-66A	380	264	CA_2A-2A-14A-30A	
63	CA_25A-66A	380	133	CA_12A-48C		265	CA_2A-2A-14A-66A	371
64	CA_26A-66A	196	134	CA_12A-66A-66A	367	266	CA_2A-2A-29A-30A	
65	CA_29A-30A	331	135	CA_12A-66C	367	267	CA_2A-2A-29A-66A	359
66	CA_29A-66A	359	136	CA_12B-66A	367	268	CA_2A-2A-30A-66A	303
67	CA_30A-66A	376	137	CA_13A-48A-48A	382	269	CA_2A-2A-66A-71A	308
68	CA_48A-66A	383	138	CA_13A-48C	382	270	CA_2A-4A-4A-5A	272
69	CA_48A-71A	154	139	CA_13A-66A-66A	382	271	CA_2A-4A-4A-12A	276
70	CA_66A-71A	308	140	CA_13A-66B	382	272	CA_2A-4A-5B	
			141	CA_13A-66C	382	273	CA_2A-4A-7A-7A	274
			142	CA_14A-66A-66A	371	274	CA_2A-4A-7C	
			143	CA_25A-25A-26A		275	CA_2A-4A-12A-12A	276
			144	CA_25A-25A-66A	380	276	CA_2A-4A-12B	
			145	CA_25A-41C	241	277	CA_2A-5A-5A-66A	364
			146	CA_29A-66A-66A	359	278	CA_2A-5A-7A-7A	279
			147	CA_30A-66A-66A	376	279	CA_2A-5A-7C	
			148	CA_48A-48A-66A	383	280	CA_2A-5B-30A	
			149	CA_48A-48A-71A	154	281	CA_2A-5A-48C	361
			150	CA_48A-66A-66A	383	282	CA_2A-5A-66A-66A	364
			151	CA_48A-66B	383	283	CA_2A-5A-66B	364
			152	CA_48A-66C	383	284	CA_2A-5A-66C	364
			153	CA_48C-66A	383	285	CA_2A-5B-66A	364
			154	CA_48C-71A		286	CA_2A-7A-7A-13A	353
			155	CA_66A-66A-71A	308	287	CA_2A-7A-7A-29A	290
			156	CA_66C-71A	308	288	CA_2A-7A-7A-66A	366
			157	CA_2A-4A-5A	272	289	CA_2A-7C-13A	353
			158	CA_2A-4A-7A	274	290	CA_2A-7C-29A	
			159	CA_2A-4A-12A	276	291	CA_2A-7A-66A-66A	366
			160	CA_2A-4A-13A		292	CA_2A-7C-66A	366
			161	CA_2A-4A-29A		293	CA_2A-12A-66A-66A	367
			162	CA_2A-4A-30A		294	CA_2A-12A-66C	367
			163	CA_2A-4A-71A	253	295	CA_2A-12B-66A	367
			164	CA_2A-5A-7A	279	296	CA_2A-13A-48A-48A	369
			165	CA_2A-5A-30A	280	297	CA_2A-13A-48C	369
			166	CA_2A-5A-48A	361	298	CA_2A-13A-66A-66A	370
			167	CA_2A-5A-66A	364	299	CA_2A-13A-66B	370
			168	CA_2A-7A-12A	257	300	CA_2A-13A-66C	370

			169	CA_2A-7A-13A	353	301	CA_2A-14A-66A-66A	371
			170	CA_2A-7A-26A		302	CA_2A-29A-66A-66A	359
			171	CA_2A-7A-29A	290	303	CA_2A-30A-66A-66A	
			172	CA_2A-7A-66A	366	304	CA_2A-48A-48A-66A	383
			173	CA_2A-7A-71A	260	305	CA_2A-48A-66A-66A	383
			174	CA_2A-12A-30A	261	306	CA_2A-48C-66A	383
			175	CA_2A-12A-66A	367	307	CA_2A-66A-66A-71A	308
			176	CA_2A-13A-48A	369	308	CA_2A-66C-71A	
			177	CA_2A-13A-66A	370	309	CA_5A-7A-7A-66A	375
			178	CA_2A-14A-30A	264	310	CA_5A-7A-66A-66A	375
			179	CA_2A-14A-66A	371	311	CA_5A-7C-66A	375
			180	CA_2A-26A-66A		312	CA_5A-30A-66A-66A	376
			181	CA_2A-29A-30A	266	313	CA_5B-30A-66A	376
			182	CA_2A-29A-66A	359	314	CA_5A-48A-66A-66A	378
			183	CA_2A-30A-66A	303	315	CA_5A-48C-66A	378
			184	CA_2A-48A-66A	383	316	CA_7A-7A-13A-66A	321
			185	CA_2A-66A-71A	308	317	CA_7A-7A-25A-66A	380
			186	CA_4A-5A-30A		318	CA_7A-7A-29A-66A	324
			187	CA_4A-7A-12A		319	CA_7A-12A-66A-66A	320
			188	CA_4A-12A-30A		320	CA_7A-12B-66A	
			189	CA_4A-29A-30A		321	CA_7C-13A-66A	
			190	CA_5A-7A-66A	375	322	CA_7A-25A-25A-66A	380
			191	CA_5A-30A-66A	376	323	CA_7C-25A-66A	380
			192	CA_5A-48A-66A	378	324	CA_7C-29A-66A	
			193	CA_7A-12A-66A	320	325	CA_12A-30A-66A-66A	
			194	CA_7A-13A-66A	321	326	CA_13A-48A-48A-66A	382
			195	CA_7A-25A-66A	380	327	CA_13A-48A-66B	382
			196	CA_7A-26A-66A		328	CA_13A-48A-66C	382
			197	CA_7A-29A-66A	324	329	CA_13A-48C-66A	382
			198	CA_7A-66A-71A		330	CA_14A-30A-66A-66A	
			199	CA_12A-30A-66A	325	331	CA_29A-30A-66A-66A	
			200	CA_13A-48A-66A	382			
			201	CA_14A-30A-66A	330			
			202	CA_29A-30A-66A	331			

5CC Downlink Carrier Aggregation			6CC Downlink Carrier Aggregation		
Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset
332	CA_41F		383	CA_2A-48E-66A	
333	CA_48F	383			
334	CA_48A-48E	383			
335	CA_48C-48D	383			
336	CA_2A-48A-48D	383			
337	CA_2A-48C-48C	383			
338	CA_2A-48E	383			
339	CA_4A-48E				
340	CA_13A-48A-48D	382			
341	CA_13A-48C-48C	382			
342	CA_13A-48E	382			
343	CA_48A-48C-66B	383			
344	CA_48A-48C-66C	383			
345	CA_48A-48D-66A	383			
346	CA_48C-48C-66A	383			
347	CA_48E-66A	383			
348	CA_2A-2A-5A-66A-66A	364			
349	CA_2A-2A-5A-66B	364			

350	CA_2A-2A-5A-66C	364			
351	CA_2A-2A-5B-66A	364			
352	CA_2A-2A-7A-7A-13A	353			
353	CA_2A-2A-7C-13A				
354	CA_2A-2A-7A-66A-66A	366			
355	CA_2A-2A-12A-66A-66A	367			
356	CA_2A-2A-12B-66A	367			
357	CA_2A-2A-13A-66A-66A	370			
358	CA_2A-2A-14A-66A-66A	371			
359	CA_2A-2A-29A-66A-66A				
360	CA_2A-5A-5A-66A-66A	364			
361	CA_2A-5A-48D				
362	CA_2A-5B-66A-66A	364			
363	CA_2A-5B-66B	364			
364	CA_2A-5B-66C				
365	CA_2A-7A-7A-66A-66A	366			
366	CA_2A-7C-66A-66A				
367	CA_2A-12B-66A-66A				
368	CA_2A-13A-48A-48C	369			
369	CA_2A-13A-48D				
370	CA_2A-13A-66A-66B				
371	CA_2A-14A-66A-66A-66A				
372	CA_2A-48A-48C-66A	383			
373	CA_2A-48C-66A-66A	383			
374	CA_2A-48D-66A	383			
375	CA_5A-7C-66A-66A				
376	CA_5B-30A-66A-66A				
377	CA_5A-48C-66A-66A	378			
378	CA_5A-48D-66A				
379	CA_7A-7A-25A-25A-66A	380			
380	CA_7C-25A-25A-66A				
381	CA_13A-48A-48C-66A	382			
382	CA_13A-48D-66A				

<Power verification when LTE Carrier Aggregation Active>

General Note:

i. According to KDB941225 D05A v01r02, Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.

ii. 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.

iii. The device supports downlink two carrier aggregation. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.

iv. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

v. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.

vi. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lfloor \frac{BW_{Channel(1)} + BW_{Channel(2)} - 0.1\left|BW_{Channel(1)} - BW_{Channel(2)}\right|}{0.6} \right\rfloor 0.3 \ \text{[MHz]}$$

<Two Carrier power verification>

Configure		CA Configuration (BCS)	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		CA_2A-17A	2	10	1880	18900	QPSK	1	0	17	10	740	5790	24.55	24.69
		CA_4A-17A	4	10	1750	20350	QPSK	1	0	17	10	740	5790	24.04	24.11
		CA_5A-25A	5	10	836.5	20525	QPSK	1	0	25	20	1960	8340	24.11	24.21
		CA_12A-25A	12	10	707.5	23095	QPSK	1	0	25	20	1960	8340	24.17	24.20
Intra-Band	Contiguous	CA_38C	38	20	2580	37850	QPSK	1	0	38	20	2599.8	38048	23.76	23.92

<Three Carrier power verification>

Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	CA_12A-48C	12	10	707.5	23095	QPSK	1	0	48	20	3641	56150	48	20	3621.2	55952	24.16	24.20
	CA_25A-25A-26A	25	20	1880	26340	QPSK	1	0	25	5	1932.5	8065	26	15	876.5	8865	24.61	24.70
	CA_48C-71A	48	20	3690	56640	QPSK	1	0	48	20	3670.2	56442	71	20	634.5	68761	23.99	24.01
	CA_2A-4A-13A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	24.56	24.70
	CA_2A-4A-29A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	24.64	24.70
	CA_2A-4A-30A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	30	10	2355	9820	24.57	24.70
	CA_2A-7A-26A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	26	15	876.5	8865	24.65	24.70
	CA_2A-26A-66A	2	20	1880	18900	QPSK	1	0	26	15	876.5	8865	66	20	2155	66886	24.58	24.70
	CA_4A-5A-30A	4	20	1745	20300	QPSK	1	0	5	10	881.5	2525	30	10	2355	9820	24.07	24.18
	CA_4A-7A-12A	4	20	1745	20300	QPSK	1	0	7	20	2655	3100	12	10	737.5	5095	24.09	24.18
	CA_4A-12A-30A	4	20	1745	20300	QPSK	1	0	12	10	737.5	5095	30	10	2355	9820	24.16	24.18
	CA_4A-29A-30A	4	20	1745	20300	QPSK	1	0	29	10	722.5	9715	30	10	2355	9820	24.04	24.18
	CA_7A-26A-66A	7	20	2535	21100	QPSK	1	0	26	15	876.5	8865	66	20	2155	66886	24.76	24.93
	CA_7A-66A-71A	7	20	2535	21100	QPSK	1	0	66	20	2155	66886	71	20	634.5	68761	24.87	24.93

<Four Carrier power verification>

Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	CA_25A-41D	25	20	1880	26340	QPSK	1	0	41	20	2593	40620	41	20	2612.8	40818	41	20	2632.6	41016	24.63	24.70
	CA_2A-2A-4A-71A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	4	20	2132.5	2175	71	20	634.5	68761	24.56	24.70
	CA_2A-2A-7A-12A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	7	20	2655	3100	12	10	737.5	5095	24.64	24.70
	CA_2A-2A-7A-71A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	7	20	2655	3100	71	20	634.5	68761	24.69	24.70
	CA_2A-2A-12A-30A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	12	10	737.5	5095	30	10	2355	9820	24.56	24.70
	CA_2A-2A-14A-30A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	14	10	763	5330	30	10	2355	9820	24.66	24.70
	CA_2A-2A-29A-30A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	29	10	722.5	9715	30	10	2355	9820	24.69	24.70
	CA_2A-4A-5B	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	5	10	876.6	2476	5	10	886.5	2575	24.58	24.70
	CA_2A-4A-7C	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	7	20	2674.8	3298	24.66	24.70
	CA_2A-4A-12B	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	12	10	732.8	5048	12	5	740	5120	24.69	24.70
	CA_2A-5A-7C	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	7	20	2655	3100	7	20	2674.8	3298	24.51	24.70
	CA_2A-5B-30A	2	20	1880	18900	QPSK	1	0	5	10	876.6	2476	5	10	886.5	2575	30	10	2355	9820	24.69	24.70
	CA_2A-7C-29A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	7	20	2674.8	3298	29	10	722.5	9715	24.68	24.70
	CA_2A-30A-66A-66A	2	20	1880	18900	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	5	2112.5	66461	24.56	24.70
	CA_2A-66C-71A	2	20	1880	18900	QPSK	1	0	66	20	2155	66886	66	20	2174.8	67084	71	20	634.5	68761	24.53	24.70
	CA_7A-12B-66A	7	20	2535	21000	QPSK	1	0	12	10	732.8	5048	12	5	740	5120	66	20	2155	66886	24.77	24.93
	CA_7C-13A-66A	7	20	2535	21000	QPSK	1	0	7	20	2674.8	3298	13	10	751	5230	66	20	2155	66886	24.75	24.93
	CA_7C-29A-66A	7	20	2535	21000	QPSK	1	0	7	20	2674.8	3298	29	10	722.5	9715	66	20	2155	66886	24.92	24.93
	CA_12A-30A-66A-66A	12	10	707.5	23095	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	5	2112.5	66461	24.17	24.20
	CA_14A-30A-66A-66A	14	10	793	23330	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	5	2112.5	66461	23.95	24.14
	CA_29A-30A-66A-66A	30	10	2310	27710	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	5	2112.5	66461	23.12	23.30

<Five Carrier power verification>

Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				SCC4				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		CA_4A-48E	4	20	1745	20300	QPSK	1	0	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	48	20	3581.6	55556	24.16	24.18
		CA_2A-2A-7C-13A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	7	20	2655	3100	7	20	2635.2	2902	13	10	751	5230	24.56	24.70
		CA_2A-2A-29A-66A-66A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	29	10	722.5	9715	66	20	2155	66886	66	5	2112.5	66461	24.52	24.70
		CA_2A-5A-48D	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	24.54	24.70
		CA_2A-5B-66C	2	20	1880	18900	QPSK	1	0	5	10	876.6	2476	5	10	886.5	2575	66	20	2155	66886	66	20	2135.2	66688	24.56	24.70
		CA_2A-7C-66A-66A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	7	20	2635.2	2902	66	20	2155	66886	66	5	2112.5	66461	24.66	24.70
		CA_2A-12B-66A-66A	2	20	1880	18900	QPSK	1	0	12	10	732.8	5048	12	5	740	5120	66	20	2155	66886	66	5	2112.5	66461	24.69	24.70
		CA_2A-13A-48D	2	20	1880	18900	QPSK	1	0	13	10	751	5230	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	24.67	24.70
		CA_2A-13A-66A-66B	2	20	1880	18900	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	5	2112.5	66461	66	15	2121.8	66554	24.64	24.70
		CA_2A-14A-66A-66A-66A	2	20	1880	18900	QPSK	1	0	14	10	763	5330	66	20	2155	66886	66	5	2112.5	66461	66	5	2197.5	67311	24.57	24.70
		CA_5A-7C-66A-66A	5	10	836.5	20525	QPSK	1	0	7	20	2655	3100	7	20	2674.8	3298	66	20	2155	66886	66	5	2112.5	66461	24.20	24.21
		CA_5B-30A-66A-66A	5	10	831.6	20476	QPSK	1	0	5	10	886.5	2575	30	10	2355	9820	66	20	2155	66886	66	5	2112.5	66461	24.06	24.21
		CA_5A-48D-66A	5	10	836.5	20525	QPSK	1	0	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	66	20	2155	66886	24.01	24.21
		CA_7C-25A-25A-66A	7	20	2535	21000	QPSK	1	0	7	20	2674.8	3298	25	20	1960	8340	25	5	1932.5	8065	66	20	2155	66886	24.77	24.93
		CA_13A-48D-66A	13	10	782	23230	QPSK	1	0	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	66	20	2155	66886	24.01	24.15
Intra-Band	Contiguous	CA_41F	41	20	2549.5	40185	QPSK	1	0	41	20	2569.3	40383	41	20	2589.1	40581	41	20	2608.9	40779	41	20	2628.7	40977	24.75	24.81

<Six Carrier power verification>

Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				SCC4				SCC5				Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	CA_2A-48E-66A	2	20	1880	18900	QPSK	1	0	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	48	20	3581.6	55556	66	20	2155	66886	24.69	24.70

<LTE Uplink carrier aggregation>

2CC Uplink Carrier Aggregation	
Number	Combination
1	CA_5B
3	CA_66B
4	CA_66C
6	CA_41C

<Intra-band>

General Note:

i. 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.

ii. 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.

iii. Uplink CA is only operating with power class3, and 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.

iv. For Intra-band, contiguous CA, the channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

Ant 0_Index 2/3/4/5/6								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.55	23.70
20574	20475	QPSK	1	0	1	49	22.61	23.70
20600	20501	QPSK	1	0	1	49	22.58	23.70

Ant 1_Index 2								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	17.78	19.10
20574	20475	QPSK	1	0	1	49	17.82	19.10
20600	20501	QPSK	1	0	1	49	17.72	19.10

Ant 1_Index 3								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	16.90	17.00
20574	20475	QPSK	1	0	1	49	16.91	17.00
20600	20501	QPSK	1	0	1	49	16.89	17.00

Ant 1_Index 4/5/6								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.72	23.20
20574	20475	QPSK	1	0	1	49	22.91	23.20
20600	20501	QPSK	1	0	1	49	22.90	23.20

Ant 0_Index 2/3/5								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.01	23.20
132322	132229	QPSK	1	0	1	24	22.06	23.20
132597	132504	QPSK	1	0	1	24	22.02	23.20

Ant 0_Index 4								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.87	21.30
132322	132229	QPSK	1	0	1	24	20.92	21.30
132597	132504	QPSK	1	0	1	24	20.82	21.30

Ant 0_Index 6								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.26	21.30
132322	132229	QPSK	1	0	1	24	21.3	21.30
132597	132504	QPSK	1	0	1	24	21.25	21.30

Ant 0_Index 2/3/5								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.74	23.20
132322	132124	QPSK	1	0	1	99	21.91	23.20
132572	132374	QPSK	1	0	1	99	21.85	23.20

Ant 0_Index 4								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.69	21.30
132322	132124	QPSK	1	0	1	99	20.80	21.30
132572	132374	QPSK	1	0	1	99	20.61	21.30

Ant 0_Index 6								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.13	21.30
132322	132124	QPSK	1	0	1	99	21.29	21.30
132572	132374	QPSK	1	0	1	99	21.09	21.30

Ant 2_Index 2/3								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.74	23.70
132322	132229	QPSK	1	0	1	24	22.85	23.70
132597	132504	QPSK	1	0	1	24	22.82	23.70

Ant 2_Index 4								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.29	21.40
132322	132229	QPSK	1	0	1	24	21.22	21.40
132597	132504	QPSK	1	0	1	24	21.34	21.40

Ant 2_Index 5								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.29	22.20
132322	132229	QPSK	1	0	1	24	21.22	22.20
132597	132504	QPSK	1	0	1	24	21.34	22.20

Ant 2_Index 6								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.95	21.40
132322	132229	QPSK	1	0	1	24	21.03	21.40
132597	132504	QPSK	1	0	1	24	20.89	21.40

Ant 2_Index 2/3								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.75	23.70
132322	132124	QPSK	1	0	1	99	22.89	23.70
132572	132374	QPSK	1	0	1	99	22.82	23.70

Ant 2_Index 4								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.25	21.40
132322	132124	QPSK	1	0	1	99	21.32	21.40
132572	132374	QPSK	1	0	1	99	21.31	21.40

Ant 2_Index 5								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.25	22.20
132322	132124	QPSK	1	0	1	99	21.32	22.20
132572	132374	QPSK	1	0	1	99	21.31	22.20

Ant 2_Index 6								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.81	21.40
132322	132124	QPSK	1	0	1	99	21.06	21.40
132572	132374	QPSK	1	0	1	99	20.99	21.40

Ant 0_Index 2/3/5								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	21.50	23.20
40185	39987	QPSK	1	0	0	0	21.55	23.20
40620	40422	QPSK	1	0	0	0	21.37	23.20
41055	40857	QPSK	1	0	0	0	21.33	23.20
41490	41292	QPSK	1	0	0	0	21.44	23.20

Ant 0_Index 4								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	19.84	21.30
40185	39987	QPSK	1	0	0	0	19.88	21.30
40620	40422	QPSK	1	0	0	0	19.85	21.30
41055	40857	QPSK	1	0	0	0	19.80	21.30
41490	41292	QPSK	1	0	0	0	19.86	21.30

Ant 0_Index 6								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	21.50	22.20
40185	39987	QPSK	1	0	0	0	21.55	22.20
40620	40422	QPSK	1	0	0	0	21.37	22.20
41055	40857	QPSK	1	0	0	0	21.33	22.20
41490	41292	QPSK	1	0	0	0	21.44	22.20

Ant 2_Index 2								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	21.11	23.10
40185	39987	QPSK	1	0	0	0	21.19	23.10
40620	40422	QPSK	1	0	0	0	21.12	23.10
41055	40857	QPSK	1	0	0	0	21.13	23.10
41490	41292	QPSK	1	0	0	0	21.14	23.10

Ant 2_Index 3								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	20.56	21.10
40185	39987	QPSK	1	0	0	0	20.85	21.10
40620	40422	QPSK	1	0	0	0	20.42	21.10
41055	40857	QPSK	1	0	0	0	20.74	21.10
41490	41292	QPSK	1	0	0	0	20.82	21.10

Ant 2_Index 4								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	18.11	18.90
40185	39987	QPSK	1	0	0	0	18.13	18.90
40620	40422	QPSK	1	0	0	0	18.13	18.90
41055	40857	QPSK	1	0	0	0	18.12	18.90
41490	41292	QPSK	1	0	0	0	18.13	18.90

Ant 2_Index 5								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	22.01	23.60
40185	39987	QPSK	1	0	0	0	22.12	23.60
40620	40422	QPSK	1	0	0	0	21.96	23.60
41055	40857	QPSK	1	0	0	0	22.04	23.60
41490	41292	QPSK	1	0	0	0	22.09	23.60

Ant 2_Index 6								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	21.28	22.50
40185	39987	QPSK	1	0	0	0	21.59	22.50
40620	40422	QPSK	1	0	0	0	21.19	22.50
41055	40857	QPSK	1	0	0	0	21.48	22.50
41490	41292	QPSK	1	0	0	0	21.54	22.50

14. RF Exposure position consideration

Distance of the Antenna to the EUT surface/edge						
Antennas	Front	Back	Top Side	Bottom Side	Right Side	Left Side
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 / 4 / 3+4	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
NFC	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm	≤ 25mm

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

General Note:

1. 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
2. The antenna location is illustrated in the Appendix H.

15. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
   a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
   b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
   c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
   d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
   e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
   - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
   - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
   - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
4. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Therefore, the GPRS (4Tx slots) for GSM850/GSM1900 is considered as the primary mode.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

UMTS Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”.
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA is ≤ ¼ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA.

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4/B5/B12/B17/B26/B38/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE band 2/4/5/17/38 SAR test was covered by Band 25/66/26/12/41; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if
   a. The maximum output power, including tolerance, for the smaller band is ≤ the larger band to qualify for the SAR test exclusion.
   b. The channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

5G NR Note:

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below:
   a. To start SAR test for the largest channel bandwidth for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. Also do SAR test for 50% RB allocation for PI/2 BPSK SAR testing using 1RB PI/2 BPSK allocation procedure
   b. For PI/2 BPSK with 100% RB allocation, SAR test is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
   c. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not ½ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
   d. Smaller bandwidth output power for each RB allocation configuration for this device is not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
   e. For 5G FR1 n5/n71/n77, the maximum channel bandwidth does not support three non-overlapping channels in the frequency band, the middle channel of the group of overlapping channels were selected for testing.
   f. Due to test setup limitations, SAR testing for NR TDD Power class 3 was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. For NR TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.
   g. For NR FDD was establishing connections via a base station simulator to use for output power measurement and SAR testing

WLAN Note:

1. The 2.4GHz WLAN Ant 3, and 5G/6GHz WLAN ant 4 support SDB mode and only operation in power index 2,4,6,8
2. The 2.4GHz 802.11b mode support SISO mode and only operation in power index 1,3,5,7.
3. Per KDB 248227 D01v02r02, For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test position when 802.11 DSS mode is active at transmit antenna 3 and 4
4. Per KDB 248227 D01v02r02, for 2.4GHz WLAN MIMO operation for 802.11g/n, when the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured, so 802.11g mode is selected to be tested.
5. Per KDB 248227 D01v02r02, WLAN5.2GHz SAR testing is not required for hotspot and body-worn condition when the WLAN5.3GHz band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for WLAN5.2GHz band.
6. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
7. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
8. For determination of the scaling factor for report SAR of MIMO mode, if the hot spots are separated the scaling factors are individually determined from each transmit chain. If the hot spots are not spatially separated, the scaling factor is determined from the worst number of each transmit chain
9. 4+3(3) represents the test in 2TX operation, while the SAR or power data is associated with antenna 3
10. 4+3(4) represents the test in 2TX operation, while the SAR or power data is associated with antenna 4
11. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

WLAN PD Note:

1. The WiFi 6E PD was performed according 2020 TCB workshop RF Exposure 5G RFX Policies Interim Procedures.
2. First, evaluate SAR using 6-7 GHz parameters per IEC/IEEE 62209-1528:2020 and using highest SAR test configurations evaluate incident PD using the mmw near-field probe and total-field/power-density reconstruction method (2 mm closest meas. plane).
3. Per Interim Procedures. The power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor
4. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. The WiFi 6E RF Exposure results are used for simultaneous transmission analysis with the other transmitters and total exposure ratio, the analysis can be found in this report appendix F and part1 PD report section12
6. Absorbed power density (APD) using a 4cm2 averaging area is reported based on SAR measurements.
7. Power density was calculated by repeated E-field measurements on two measurement planes separated by λ/4.
8. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
9. The measurement procedure consists of measuring the PDinc at two different distances: 2 mm (compliance distance) and λ/5. The grid extents should be large enough to fully capture the transmitted energy. The grid step should be fine enough to demonstrate that the integrated Power Density iPDn fulfill the criterion described below. Since iPD ratio between the two distances is ≥ -1dB, the grid step (0.0625) was sufficient for determining compliance at d=2mm.

$$10 \cdot log_{10} \frac{iPD_n(2mm)}{iPD_n(\lambda/5)} \geq -1$$

NFC Note:

1. NFC mainly operate in hand-held extremity exposure conditions and NFC sensing distance with other device or reading tag is about 20cm, therefore Standalone 10-g extremity SAR testing for NFC will be performed by test software with 100% duty cycle at 0mm separation distance.
2. NFC SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.
3. NFC 13.56MHz antenna port is not available on the device to support conducted power measurement, therefore the measured results are referred to as reported SAR.
4. NFC SAR test tissue-simulating liquid parameter: refer to IEC/IEEE 62209-1528 2020.

15.1 Head SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_Ant 0	GPRS (3 Tx slots)	Right Cheek	0mm	Index 2	251	848.8	30.00	31.50	1.413	0.06	0.340	0.480
	GSM850_Ant 0	GPRS (3 Tx slots)	Right Tilted	0mm	Index 2	251	848.8	30.00	31.50	1.413	-0.01	0.196	0.277
	GSM850_Ant 0	GPRS (3 Tx slots)	Left Cheek	0mm	Index 2	251	848.8	30.00	31.50	1.413	0.05	0.457	0.646
	GSM850_Ant 0	GPRS (3 Tx slots)	Left Tilted	0mm	Index 2	251	848.8	30.00	31.50	1.413	-0.03	0.220	0.311
	GSM850_Ant 0	GPRS (3 Tx slots)	Right Cheek	0mm	Index 3	251	848.8	30.00	31.00	1.259	0.06	0.340	0.428
	GSM850_Ant 0	GPRS (3 Tx slots)	Right Tilted	0mm	Index 3	251	848.8	30.00	31.00	1.259	-0.01	0.196	0.247
	GSM850_Ant 0	GPRS (3 Tx slots)	Left Cheek	0mm	Index 3	251	848.8	30.00	31.00	1.259	0.05	0.457	0.575
	GSM850_Ant 0	GPRS (3 Tx slots)	Left Tilted	0mm	Index 3	251	848.8	30.00	31.00	1.259	-0.03	0.220	0.277
01	GSM850_Ant 1	GPRS (2 Tx slots)	Right Cheek	0mm	Index 2	128	824.2	27.99	28.90	1.233	0	0.800	0.986
	GSM850_Ant 1	GPRS (2 Tx slots)	Right Cheek	0mm	Index 2	189	836.4	27.70	28.90	1.318	0.15	0.670	0.883
	GSM850_Ant 1	GPRS (2 Tx slots)	Right Cheek	0mm	Index 2	251	848.8	27.36	28.90	1.426	-0.08	0.529	0.754
	GSM850_Ant 1	GPRS (2 Tx slots)	Right Tilted	0mm	Index 2	128	824.2	27.99	28.90	1.233	0	0.656	0.809
	GSM850_Ant 1	GPRS (2 Tx slots)	Right Tilted	0mm	Index 2	189	836.4	27.70	28.90	1.318	0.05	0.587	0.774
	GSM850_Ant 1	GPRS (2 Tx slots)	Right Tilted	0mm	Index 2	251	848.8	27.36	28.90	1.426	0.06	0.474	0.676
	GSM850_Ant 1	GPRS (2 Tx slots)	Left Cheek	0mm	Index 2	128	824.2	27.99	28.90	1.233	0.01	0.487	0.601
	GSM850_Ant 1	GPRS (2 Tx slots)	Left Tilted	0mm	Index 2	128	824.2	27.99	28.90	1.233	0	0.401	0.494
	GSM850_Ant 1	GPRS (2 Tx slots)	Right Cheek	0mm	Index 3	128	824.2	26.79	26.80	1.002	0	0.635	0.636
	GSM850_Ant 1	GPRS (2 Tx slots)	Right Tilted	0mm	Index 3	128	824.2	26.79	26.80	1.002	0	0.521	0.522
	GSM850_Ant 1	GPRS (2 Tx slots)	Left Cheek	0mm	Index 3	128	824.2	26.79	26.80	1.002	0.01	0.387	0.388
	GSM850_Ant 1	GPRS (2 Tx slots)	Left Tilted	0mm	Index 3	128	824.2	26.79	26.80	1.002	0	0.319	0.320
02	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Cheek	0mm	Index 2	661	1880	27.01	28.00	1.256	0.11	0.551	0.692
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Tilted	0mm	Index 2	661	1880	27.01	28.00	1.256	-0.07	0.180	0.226
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Cheek	0mm	Index 2	661	1880	27.01	28.00	1.256	-0.02	0.276	0.347
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Tilted	0mm	Index 2	661	1880	27.01	28.00	1.256	-0.04	0.204	0.256
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Cheek	0mm	Index 3	661	1880	27.01	27.50	1.119	0.11	0.551	0.617
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Tilted	0mm	Index 3	661	1880	27.01	27.50	1.119	-0.07	0.180	0.201
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Cheek	0mm	Index 3	661	1880	27.01	27.50	1.119	-0.02	0.276	0.309
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Tilted	0mm	Index 3	661	1880	27.01	27.50	1.119	-0.04	0.204	0.228
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Cheek	0mm	Index 2/3	661	1880	27.18	27.50	1.076	0.08	0.324	0.349
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Tilted	0mm	Index 2/3	661	1880	27.18	27.50	1.076	-0.05	0.273	0.294
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	Index 2/3	661	1880	27.18	27.50	1.076	-0.01	0.568	0.611
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Tilted	0mm	Index 2/3	661	1880	27.18	27.50	1.076	-0.01	0.215	0.231

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	Index 2	9538	1907.6	25.13	25.70	1.140	0.16	0.671	0.765
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	Index 2	9538	1907.6	25.13	25.70	1.140	-0.04	0.224	0.255
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	Index 2	9538	1907.6	25.13	25.70	1.140	-0.04	0.363	0.414
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	Index 2	9538	1907.6	25.13	25.70	1.140	-0.04	0.267	0.304
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	Index 3	9538	1907.6	25.13	25.30	1.040	0.16	0.671	0.698
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	Index 3	9538	1907.6	25.13	25.30	1.040	-0.04	0.224	0.233
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	Index 3	9538	1907.6	25.13	25.30	1.040	-0.04	0.363	0.377
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	Index 3	9538	1907.6	25.13	25.30	1.040	-0.04	0.267	0.278
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	Index 2	9538	1907.6	24.30	25.20	1.230	0.09	0.363	0.447
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	Index 2	9538	1907.6	24.30	25.20	1.230	-0.01	0.332	0.408
03	WCDMA II_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2	9538	1907.6	24.30	25.20	1.230	0.15	0.688	0.846
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2	9262	1852.4	24.27	25.20	1.239	0.03	0.426	0.528
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2	9400	1880	23.95	25.20	1.334	0.15	0.593	0.791
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	Index 2	9538	1907.6	24.30	25.20	1.230	0.03	0.305	0.375
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	Index 3	9538	1907.6	23.74	24.00	1.062	-0.06	0.324	0.344
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	Index 3	9538	1907.6	23.74	24.00	1.062	0.06	0.296	0.314
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 3	9538	1907.6	23.74	24.00	1.062	-0.05	0.613	0.651
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	Index 3	9538	1907.6	23.74	24.00	1.062	-0.08	0.272	0.289
04	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	Index 2	1513	1752.6	24.50	25.70	1.318	0.01	0.524	0.691
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	Index 2	1513	1752.6	24.50	25.70	1.318	0	0.269	0.355
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	Index 2	1513	1752.6	24.50	25.70	1.318	0.07	0.275	0.363
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	Index 2	1513	1752.6	24.50	25.70	1.318	-0.02	0.263	0.347
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	Index 3	1513	1752.6	24.50	25.10	1.148	0.01	0.524	0.602
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	Index 3	1513	1752.6	24.50	25.10	1.148	0	0.269	0.309
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	Index 3	1513	1752.6	24.50	25.10	1.148	0.07	0.275	0.316
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	Index 3	1513	1752.6	24.50	25.10	1.148	-0.02	0.263	0.302
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	Index 2/3	1513	1752.6	23.80	25.20	1.380	0.09	0.199	0.275
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	Index 2/3	1513	1752.6	23.80	25.20	1.380	0	0.179	0.247
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2/3	1513	1752.6	23.80	25.20	1.380	0	0.356	0.491
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	Index 2/3	1513	1752.6	23.80	25.20	1.380	-0.05	0.183	0.253
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	Index 2/3	4132	826.4	24.21	25.70	1.409	-0.03	0.253	0.357
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	Index 2/3	4132	826.4	24.21	25.70	1.409	0.01	0.129	0.182
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2/3	4132	826.4	24.21	25.70	1.409	-0.03	0.285	0.402
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	Index 2/3	4132	826.4	24.21	25.70	1.409	0.01	0.170	0.240
05	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	Index 2	4132	826.4	20.61	22.10	1.409	0.02	0.697	0.982
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	Index 2	4182	836.4	20.49	22.10	1.449	0.15	0.661	0.958
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	Index 2	4233	846.6	20.39	22.10	1.483	-0.08	0.609	0.903
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	Index 2	4132	826.4	20.61	22.10	1.409	-0.01	0.574	0.809
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	Index 2	4182	836.4	20.49	22.10	1.449	0.11	0.542	0.785
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	Index 2	4233	846.6	20.39	22.10	1.483	-0.05	0.521	0.772
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	Index 2	4132	826.4	20.61	22.10	1.409	0	0.413	0.582
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	Index 2	4132	826.4	20.61	22.10	1.409	-0.03	0.360	0.507
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	Index 3	4132	826.4	19.98	20.00	1.005	-0.07	0.621	0.624
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	Index 3	4132	826.4	19.98	20.00	1.005	-0.08	0.512	0.514
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	Index 3	4132	826.4	19.98	20.00	1.005	-0.04	0.368	0.370
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	Index 3	4132	826.4	19.98	20.00	1.005	-0.03	0.321	0.322

<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	Index 2	18900	1880	19.85	20.80	1.245	0.02	0.609	0.758
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	Index 2	18900	1880	19.77	20.80	1.268	0.011	0.585	0.742
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 2	18900	1880	19.85	20.80	1.245	-0.04	0.693	0.862
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 2	18700	1860	19.84	20.80	1.247	0.19	0.655	0.817
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 2	19100	1900	19.59	20.80	1.321	-0.03	0.742	0.980
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	Index 2	18900	1880	19.77	20.80	1.268	0.09	0.670	0.849
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	Index 2	18700	1860	19.76	20.80	1.271	-0.15	0.630	0.800
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	Index 2	19100	1900	19.59	20.80	1.321	0.03	0.710	0.938
	LTE Band 2_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	Index 2	18900	1880	19.71	20.80	1.285	-0.12	0.669	0.860
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	Index 2	18900	1880	19.85	20.80	1.245	-0.02	0.244	0.304
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	Index 2	18900	1880	19.77	20.80	1.268	0.03	0.235	0.298
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	Index 2	18900	1880	19.85	20.80	1.245	-0.03	0.308	0.383
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	Index 2	18900	1880	19.77	20.80	1.268	-0.11	0.295	0.374
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	Index 3	18900	1880	19.85	20.00	1.035	0.02	0.609	0.630
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	Index 3	18900	1880	19.77	20.00	1.054	0.011	0.585	0.617
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 3	18900	1880	19.85	20.00	1.035	-0.04	0.693	0.717
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	Index 3	18900	1880	19.77	20.00	1.054	0.09	0.670	0.706
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	Index 3	18900	1880	19.85	20.00	1.035	-0.02	0.244	0.253
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	Index 3	18900	1880	19.77	20.00	1.054	0.03	0.235	0.248
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	Index 3	18900	1880	19.85	20.00	1.035	-0.03	0.308	0.319
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	Index 3	18900	1880	19.77	20.00	1.054	-0.11	0.295	0.311
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	Index 2	18900	1880	16.64	17.70	1.276	0.1	0.201	0.257
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	Index 2	18900	1880	16.65	17.70	1.274	0.05	0.198	0.252
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	Index 2	18900	1880	16.64	17.70	1.276	0.03	0.033	0.042
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	Index 2	18900	1880	16.65	17.70	1.274	0.06	0.030	0.038
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	Index 2	18900	1880	16.64	17.70	1.276	0.02	0.627	0.800
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	Index 2	18700	1860	16.62	17.70	1.282	0.04	0.548	0.703
06	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	Index 2	19100	1900	16.36	17.70	1.361	0	0.721	0.982
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	Index 2	18900	1880	16.65	17.70	1.274	0.05	0.622	0.792
	LTE Band 2_Ant 5	20M	QPSK	100	0	Left Cheek	0mm	Index 2	18900	1880	16.58	17.70	1.294	0.01	0.608	0.787
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	Index 2	18900	1880	16.64	17.70	1.276	0.16	0.059	0.075
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	Index 2	18900	1880	16.65	17.70	1.274	0.12	0.055	0.070
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	Index 3	18900	1880	13.14	13.50	1.086	-0.06	0.090	0.098
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	Index 3	18900	1880	13.12	13.50	1.091	0	0.088	0.096
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	Index 3	18900	1880	13.14	13.50	1.086	-0.08	0.015	0.016
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	Index 3	18900	1880	13.12	13.50	1.091	-0.05	0.013	0.014
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	Index 3	18900	1880	13.14	13.50	1.086	0.01	0.280	0.304
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	Index 3	18900	1880	13.12	13.50	1.091	0.09	0.278	0.303
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	Index 3	18900	1880	13.14	13.50	1.086	0.1	0.026	0.028
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	Index 3	18900	1880	13.12	13.50	1.091	0.1	0.025	0.027

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	21100	2535	22.69	24.50	1.517	0	0.623	0.945
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	20850	2510	22.68	24.50	1.521	0.09	0.602	0.915
07	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	21350	2560	22.65	24.50	1.531	0.11	0.649	0.994
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 2	21100	2535	22.63	24.50	1.538	0.02	0.598	0.920
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 2	20850	2510	22.62	24.50	1.542	0.09	0.572	0.882
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 2	21350	2560	22.53	24.50	1.574	0.11	0.561	0.883
	LTE Band 7_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	Index 2	21100	2535	22.59	24.50	1.552	-0.03	0.592	0.919
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	Index 2	21100	2535	22.69	24.50	1.517	0.01	0.151	0.229
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	Index 2	21100	2535	22.63	24.50	1.538	0.09	0.147	0.226
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	Index 2	21100	2535	22.69	24.50	1.517	-0.04	0.229	0.347
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	Index 2	21100	2535	22.63	24.50	1.538	-0.01	0.220	0.338
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	Index 2	21100	2535	22.69	24.50	1.517	-0.09	0.253	0.384
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	Index 2	21100	2535	22.63	24.50	1.538	0.06	0.244	0.375
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 3	21100	2535	22.13	22.50	1.089	-0.05	0.555	0.604
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 3	21100	2535	22.06	22.50	1.107	-0.08	0.533	0.590
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	Index 3	21100	2535	22.13	22.50	1.089	-0.03	0.135	0.147
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	Index 3	21100	2535	22.06	22.50	1.107	0.08	0.131	0.145
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	Index 3	21100	2535	22.13	22.50	1.089	0.08	0.204	0.222
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	Index 3	21100	2535	22.06	22.50	1.107	0.08	0.196	0.217
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	Index 3	21100	2535	22.13	22.50	1.089	0.03	0.225	0.245
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	Index 3	21100	2535	22.06	22.50	1.107	0.01	0.217	0.240
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	Index 2	20850	2510	24.27	25.20	1.239	0.1	0.324	0.401
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	Index 2	20850	2510	23.26	24.20	1.242	-0.03	0.242	0.300
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	Index 2	20850	2510	24.27	25.20	1.239	0	0.204	0.253
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	Index 2	20850	2510	23.26	24.20	1.242	0.01	0.161	0.200
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	Index 2	20850	2510	24.27	25.20	1.239	-0.03	0.741	0.918
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	Index 2	21100	2535	24.00	25.20	1.318	0.06	0.654	0.862
	LTE Band 7_Ant 0	20M	QPSK	1	99	Left Cheek	0mm	Index 2	21350	2560	24.19	25.20	1.262	0.08	0.641	0.809
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	Index 2	20850	2510	23.26	24.20	1.242	0.02	0.591	0.734
	LTE Band 7_Ant 0	20M	QPSK	100	0	Left Cheek	0mm	Index 2	20850	2510	23.20	24.20	1.259	-0.03	0.593	0.747
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	Index 2	20850	2510	24.27	25.20	1.239	0.04	0.168	0.208
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	Index 2	20850	2510	23.26	24.20	1.242	0.01	0.123	0.153
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	Index 3	20850	2510	23.71	23.80	1.021	0.07	0.289	0.295
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	Index 3	20850	2510	23.22	23.80	1.143	-0.07	0.246	0.281
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	Index 3	20850	2510	23.71	23.80	1.021	-0.05	0.182	0.186
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	Index 3	20850	2510	23.22	23.80	1.143	0.04	0.155	0.177
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	Index 3	20850	2510	23.71	23.80	1.021	-0.09	0.660	0.674
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	Index 3	20850	2510	23.22	23.80	1.143	0.1	0.562	0.642
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	Index 3	20850	2510	23.71	23.80	1.021	-0.04	0.150	0.153
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	Index 3	20850	2510	23.22	23.80	1.143	-0.05	0.127	0.145

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	Index 2/3	23095	707.5	24.20	25.70	1.413	-0.06	0.178	0.251
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	Index 2/3	23095	707.5	23.18	24.70	1.419	0.02	0.148	0.210
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	Index 2/3	23095	707.5	24.20	25.70	1.413	-0.01	0.097	0.137
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	Index 2/3	23095	707.5	23.18	24.70	1.419	0.03	0.070	0.099
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	Index 2/3	23095	707.5	24.20	25.70	1.413	-0.03	0.220	0.311
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	Index 2/3	23095	707.5	23.18	24.70	1.419	0.15	0.173	0.245
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	Index 2/3	23095	707.5	24.20	25.70	1.413	0.07	0.099	0.140
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	Index 2/3	23095	707.5	23.18	24.70	1.419	0.09	0.081	0.115
08	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	Index 2	23095	707.5	20.74	22.40	1.466	0.03	0.636	0.932
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	Index 2	23095	707.5	20.77	22.40	1.455	0.08	0.633	0.921
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	Index 2	23095	707.5	20.75	22.40	1.462	-0.02	0.628	0.918
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	Index 2	23095	707.5	20.74	22.40	1.466	0.02	0.584	0.856
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	Index 2	23095	707.5	20.77	22.40	1.455	-0.17	0.562	0.818
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	Index 2	23095	707.5	20.75	22.40	1.462	0.06	0.558	0.816
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	Index 2	23095	707.5	20.74	22.40	1.466	-0.09	0.318	0.466
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	Index 2	23095	707.5	20.77	22.40	1.455	0.12	0.302	0.440
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	Index 2	23095	707.5	20.74	22.40	1.466	-0.02	0.331	0.485
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	Index 2	23095	707.5	20.77	22.40	1.455	-0.08	0.311	0.453
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	Index 3	23095	707.5	19.66	20.30	1.159	-0.04	0.505	0.585
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	Index 3	23095	707.5	19.77	20.30	1.130	0.03	0.503	0.568
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	Index 3	23095	707.5	19.66	20.30	1.159	0.05	0.464	0.538
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	Index 3	23095	707.5	19.77	20.30	1.130	0.08	0.446	0.504
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	Index 3	23095	707.5	19.66	20.30	1.159	-0.09	0.253	0.293
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	Index 3	23095	707.5	19.77	20.30	1.130	-0.07	0.240	0.271
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	Index 3	23095	707.5	19.66	20.30	1.159	-0.02	0.263	0.305
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	Index 3	23095	707.5	19.77	20.30	1.130	0.02	0.247	0.279
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	Index 2/3	23230	782	24.15	25.70	1.429	0.02	0.275	0.393
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	Index 2/3	23230	782	23.27	24.70	1.390	-0.06	0.224	0.311
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	Index 2/3	23230	782	24.15	25.70	1.429	0.03	0.167	0.239
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	Index 2/3	23230	782	23.27	24.70	1.390	-0.04	0.151	0.210
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	Index 2/3	23230	782	24.15	25.70	1.429	-0.01	0.318	0.454
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	Index 2/3	23230	782	23.27	24.70	1.390	0.08	0.266	0.370
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	Index 2/3	23230	782	24.15	25.70	1.429	0.01	0.191	0.273
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	Index 2/3	23230	782	23.27	24.70	1.390	0.08	0.162	0.225
09	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	Index 2	23230	782	21.70	23.10	1.380	0.01	0.706	0.975
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	Index 2	23230	782	21.72	23.10	1.374	0.09	0.695	0.955
	LTE Band 13_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	Index 2	23230	782	21.75	23.10	1.365	0.12	0.685	0.935
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	Index 2	23230	782	21.70	23.10	1.380	0.02	0.612	0.845
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	Index 2	23230	782	21.72	23.10	1.374	-0.11	0.602	0.827
	LTE Band 13_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	Index 2	23230	782	21.75	23.10	1.365	0.03	0.599	0.817
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	Index 2	23230	782	21.70	23.10	1.380	0.01	0.373	0.515
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	Index 2	23230	782	21.72	23.10	1.374	0.09	0.368	0.506
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	Index 2	23230	782	21.70	23.10	1.380	0	0.364	0.502
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	Index 2	23230	782	21.72	23.10	1.374	0.04	0.352	0.484
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	Index 3	23230	782	20.65	21.00	1.084	-0.05	0.561	0.608
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	Index 3	23230	782	20.70	21.00	1.072	-0.05	0.552	0.591
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	Index 3	23230	782	20.65	21.00	1.084	-0.02	0.486	0.527
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	Index 3	23230	782	20.70	21.00	1.072	-0.01	0.478	0.512
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	Index 3	23230	782	20.65	21.00	1.084	0.08	0.296	0.321
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	Index 3	23230	782	20.70	21.00	1.072	-0.1	0.292	0.313
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	Index 3	23230	782	20.65	21.00	1.084	-0.08	0.289	0.313
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	Index 3	23230	782	20.70	21.00	1.072	0.05	0.280	0.300

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	Index 2/3	23330	793	24.14	25.70	1.432	0.07	0.291	0.417
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	Index 2/3	23330	793	23.11	24.70	1.442	0.08	0.231	0.333
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	Index 2/3	23330	793	24.14	25.70	1.432	0.02	0.199	0.285
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	Index 2/3	23330	793	23.11	24.70	1.442	-0.04	0.158	0.228
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	Index 2/3	23330	793	24.14	25.70	1.432	0	0.316	0.453
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	Index 2/3	23330	793	23.11	24.70	1.442	-0.09	0.256	0.369
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	Index 2/3	23330	793	24.14	25.70	1.432	-0.03	0.213	0.305
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	Index 2/3	23330	793	23.11	24.70	1.442	0.05	0.187	0.270
10	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	Index 2	23330	793	20.31	21.50	1.315	0.02	0.740	0.973
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	Index 2	23330	793	20.40	21.50	1.288	0.08	0.754	0.971
	LTE Band 14_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	Index 2	23330	793	20.38	21.50	1.294	-0.05	0.726	0.940
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	Index 2	23330	793	20.31	21.50	1.315	0	0.713	0.938
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	Index 2	23330	793	20.40	21.50	1.288	0.04	0.698	0.899
	LTE Band 14_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	Index 2	23330	793	20.38	21.50	1.294	-0.09	0.694	0.898
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	Index 2	23330	793	20.31	21.50	1.315	-0.07	0.427	0.562
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	Index 2	23330	793	20.40	21.50	1.288	0.09	0.413	0.532
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	Index 2	23330	793	20.31	21.50	1.315	0	0.426	0.560
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	Index 2	23330	793	20.40	21.50	1.288	0.05	0.402	0.518
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	Index 3	23330	793	19.25	19.40	1.035	0.07	0.588	0.609
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	Index 3	23330	793	19.37	19.40	1.007	-0.01	0.599	0.603
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	Index 3	23330	793	19.25	19.40	1.035	-0.03	0.566	0.586
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	Index 3	23330	793	19.37	19.40	1.007	0	0.554	0.558
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	Index 3	23330	793	19.25	19.40	1.035	-0.07	0.339	0.351
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	Index 3	23330	793	19.37	19.40	1.007	0.08	0.328	0.330
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	Index 3	23330	793	19.25	19.40	1.035	-0.08	0.338	0.350
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	Index 3	23330	793	19.37	19.40	1.007	-0.03	0.319	0.321
11	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	26340	1880	24.70	25.70	1.259	0	0.664	0.836
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	26140	1860	24.32	25.70	1.374	0.02	0.577	0.793
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	26590	1905	24.39	25.70	1.352	0.05	0.539	0.729
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 2	26340	1880	23.68	24.70	1.265	-0.03	0.514	0.650
	LTE Band 25_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	Index 2	26340	1880	23.50	24.70	1.318	0.01	0.483	0.637
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	Index 2	26340	1880	24.70	25.70	1.259	0	0.224	0.282
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	Index 2	26340	1880	23.68	24.70	1.265	-0.15	0.177	0.224
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	Index 2	26340	1880	24.70	25.70	1.259	0.04	0.363	0.457
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	Index 2	26340	1880	23.68	24.70	1.265	0.08	0.284	0.359
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	Index 2	26340	1880	24.70	25.70	1.259	0	0.243	0.306
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	Index 2	26340	1880	23.68	24.70	1.265	-0.07	0.193	0.244
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 3	26340	1880	24.70	24.70	1.000	0	0.664	0.664
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 3	26340	1880	23.68	24.70	1.265	-0.03	0.514	0.650
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	Index 3	26340	1880	24.70	24.70	1.000	0	0.224	0.224
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	Index 3	26340	1880	23.68	24.70	1.265	-0.15	0.177	0.224
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	Index 3	26340	1880	24.70	24.70	1.000	0.04	0.363	0.363
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	Index 3	26340	1880	23.68	24.70	1.265	0.08	0.284	0.359
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	Index 3	26340	1880	24.70	24.70	1.000	0	0.243	0.243
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	Index 3	26340	1880	23.68	24.70	1.265	-0.07	0.193	0.244
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	Index 2/3	26340	1880	24.22	25.20	1.253	0.14	0.283	0.355
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	Index 2/3	26340	1880	23.01	24.20	1.315	0.05	0.225	0.296
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	Index 2/3	26340	1880	24.22	25.20	1.253	-0.07	0.240	0.301
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	Index 2/3	26340	1880	23.01	24.20	1.315	0.02	0.199	0.262
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	Index 2/3	26340	1880	24.22	25.20	1.253	0.15	0.535	0.670
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	Index 2/3	26340	1880	23.01	24.20	1.315	0.09	0.359	0.472
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	Index 2/3	26340	1880	24.22	25.20	1.253	-0.04	0.221	0.277
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	Index 2/3	26340	1880	23.01	24.20	1.315	0.01	0.162	0.213

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Cheek	0mm	Index 2/3	26865	831.5	24.36	25.70	1.361	0.03	0.281	0.383
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Cheek	0mm	Index 2/3	26865	831.5	23.37	24.70	1.358	0.12	0.203	0.276
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Tilted	0mm	Index 2/3	26865	831.5	24.36	25.70	1.361	0.03	0.181	0.246
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Tilted	0mm	Index 2/3	26865	831.5	23.37	24.70	1.358	-0.08	0.127	0.173
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Cheek	0mm	Index 2/3	26865	831.5	24.36	25.70	1.361	0.01	0.339	0.462
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Cheek	0mm	Index 2/3	26865	831.5	23.37	24.70	1.358	0.04	0.275	0.374
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Tilted	0mm	Index 2/3	26865	831.5	24.36	25.70	1.361	-0.03	0.204	0.278
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Tilted	0mm	Index 2/3	26865	831.5	23.37	24.70	1.358	0.06	0.146	0.198
	LTE Band 5B_Ant 0	10M+10M	QPSK	1	0	Left Cheek	0mm	Index 2/3	20574+20475	841.4	22.61	23.70	1.285	0.14	0.188	0.242
12	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	Index 2	26865	831.5	19.28	21.10	1.521	-0.01	0.570	0.867
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Cheek	0mm	Index 2	26865	831.5	19.32	21.10	1.507	0.03	0.558	0.841
	LTE Band 26_Ant 1	15M	QPSK	75	0	Right Cheek	0mm	Index 2	26865	831.5	19.31	21.10	1.510	0.05	0.552	0.834
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	Index 2	26865	831.5	19.28	21.10	1.521	0.02	0.510	0.775
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Tilted	0mm	Index 2	26865	831.5	19.32	21.10	1.507	0.05	0.502	0.756
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	Index 2	26865	831.5	19.28	21.10	1.521	-0.03	0.336	0.511
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Cheek	0mm	Index 2	26865	831.5	19.32	21.10	1.507	0.02	0.328	0.494
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	Index 2	26865	831.5	19.28	21.10	1.521	0.01	0.276	0.420
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Tilted	0mm	Index 2	26865	831.5	19.32	21.10	1.507	0.02	0.264	0.398
	LTE Band 5B_Ant 1	10M+10M	QPSK	1	0	Right Cheek	0mm	Index 2	20574+20475	841.4	17.82	19.10	1.343	0.06	0.423	0.568
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	Index 3	26865	831.5	18.36	19.00	1.159	-0.04	0.464	0.538
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Cheek	0mm	Index 3	26865	831.5	18.35	19.00	1.161	0.09	0.454	0.527
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	Index 3	26865	831.5	18.36	19.00	1.159	0.03	0.415	0.481
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Tilted	0mm	Index 3	26865	831.5	18.35	19.00	1.161	-0.1	0.408	0.474
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	Index 3	26865	831.5	18.36	19.00	1.159	-0.1	0.273	0.316
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Cheek	0mm	Index 3	26865	831.5	18.35	19.00	1.161	-0.1	0.267	0.310
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	Index 3	26865	831.5	18.36	19.00	1.159	-0.07	0.224	0.260
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Tilted	0mm	Index 3	26865	831.5	18.35	19.00	1.161	-0.08	0.215	0.250
	LTE Band 5B_Ant 1	10M+10M	QPSK	1	0	Right Cheek	0mm	Index 3	20574+20475	841.4	16.91	17.00	1.021	0.05	0.336	0.343
13	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Cheek	0mm	Index 2	27710	2310	23.30	24.00	1.175	-0.09	0.614	0.721
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Cheek	0mm	Index 2	27710	2310	20.85	21.50	1.161	0.01	0.358	0.416
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Tilted	0mm	Index 2	27710	2310	23.30	24.00	1.175	-0.01	0.300	0.352
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Tilted	0mm	Index 2	27710	2310	20.85	21.50	1.161	0.05	0.179	0.208
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Cheek	0mm	Index 2	27710	2310	23.30	24.00	1.175	0.05	0.378	0.444
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Cheek	0mm	Index 2	27710	2310	20.85	21.50	1.161	0.09	0.223	0.259
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Tilted	0mm	Index 2	27710	2310	23.30	24.00	1.175	-0.06	0.337	0.396
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Tilted	0mm	Index 2	27710	2310	20.85	21.50	1.161	0.01	0.200	0.232
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Cheek	0mm	Index 3	27710	2310	23.30	23.90	1.148	-0.09	0.614	0.705
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Cheek	0mm	Index 3	27710	2310	20.85	21.50	1.161	0.01	0.358	0.416
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Tilted	0mm	Index 3	27710	2310	23.30	23.90	1.148	-0.01	0.300	0.344
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Tilted	0mm	Index 3	27710	2310	20.85	21.50	1.161	0.05	0.179	0.208
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Cheek	0mm	Index 3	27710	2310	23.30	23.90	1.148	0.05	0.378	0.434
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Cheek	0mm	Index 3	27710	2310	20.85	21.50	1.161	0.09	0.223	0.259
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Tilted	0mm	Index 3	27710	2310	23.30	23.90	1.148	-0.06	0.337	0.387
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Tilted	0mm	Index 3	27710	2310	20.85	21.50	1.161	0.01	0.200	0.232
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	Index 2	27710	2310	24.32	25.20	1.225	-0.19	0.293	0.359
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	Index 2	27710	2310	21.92	22.70	1.197	-0.08	0.177	0.212
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	Index 2	27710	2310	24.32	25.20	1.225	0.15	0.202	0.247
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	Index 2	27710	2310	21.92	22.70	1.197	0.15	0.116	0.139
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	Index 2	27710	2310	24.32	25.20	1.225	-0.18	0.510	0.625
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	Index 2	27710	2310	21.92	22.70	1.197	0.03	0.302	0.361
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	Index 2	27710	2310	24.32	25.20	1.225	-0.07	0.178	0.218
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	Index 2	27710	2310	21.92	22.70	1.197	0.05	0.105	0.126
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	Index 3	27710	2310	24.32	25.10	1.197	-0.19	0.293	0.351
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	Index 3	27710	2310	21.92	22.70	1.197	-0.08	0.177	0.212
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	Index 3	27710	2310	24.32	25.10	1.197	0.15	0.202	0.242
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	Index 3	27710	2310	21.92	22.70	1.197	0.15	0.116	0.139
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	Index 3	27710	2310	24.32	25.10	1.197	-0.18	0.510	0.610
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	Index 3	27710	2310	21.92	22.70	1.197	0.03	0.302	0.361
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	Index 3	27710	2310	24.32	25.10	1.197	-0.07	0.178	0.213

	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	Index 3	27710	2310	21.92	22.70	1.197	0.05	0.105	0.126

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	40185	2549.5	23.31	25.10	1.510	62.9	1.006	0.08	0.438	0.665
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	39750	2506	23.30	25.10	1.514	62.9	1.006	0.05	0.415	0.632
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	40620	2593	23.21	25.10	1.545	62.9	1.006	0.08	0.403	0.626
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	41055	2636.5	23.20	25.10	1.549	62.9	1.006	-0.03	0.485	0.756
14	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	41490	2680	23.21	25.10	1.545	62.9	1.006	-0.06	0.632	0.982
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 2	40185	2549.5	22.74	23.70	1.247	62.9	1.006	0.02	0.321	0.403
	LTE Band 41_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	Index 2	40185	2549.5	22.75	23.70	1.245	62.9	1.006	0.02	0.344	0.431
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	Index 2	40185	2549.5	23.31	25.10	1.510	62.9	1.006	-0.01	0.113	0.172
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	Index 2	40185	2549.5	22.74	23.70	1.247	62.9	1.006	0.07	0.089	0.112
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	Index 2	40185	2549.5	23.31	25.10	1.510	62.9	1.006	-0.07	0.183	0.278
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	Index 2	40185	2549.5	22.74	23.70	1.247	62.9	1.006	-0.04	0.144	0.181
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	Index 2	40185	2549.5	23.31	25.10	1.510	62.9	1.006	-0.07	0.143	0.217
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	Index 2	40185	2549.5	22.74	23.70	1.247	62.9	1.006	0.03	0.101	0.127
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	40185	2549.5	25.03	26.70	1.469	42.9	1.009	0.07	0.405	0.600
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	39750	2506	25.02	26.70	1.472	42.9	1.009	0.09	0.350	0.520
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	40620	2593	24.87	26.70	1.524	42.9	1.009	0.13	0.339	0.521
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	41055	2636.5	24.88	26.70	1.521	42.9	1.009	0.07	0.389	0.597
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	41490	2680	24.88	26.70	1.521	42.9	1.009	0.03	0.599	0.919
	LTE Band 41C_Ant 2	20M+20M	QPSK	1	0	Right Cheek	0mm	Index 2	40185+39987	2549.5	21.19	23.10	1.552	62.9	1.006	0.12	0.227	0.355
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 3	40185	2549.5	22.81	23.10	1.069	62.9	1.006	-0.07	0.399	0.429
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 3	40185	2549.5	22.72	23.10	1.091	62.9	1.006	0.1	0.361	0.396
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	Index 3	40185	2549.5	22.81	23.10	1.069	62.9	1.006	0.01	0.103	0.111
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	Index 3	40185	2549.5	22.72	23.10	1.091	62.9	1.006	-0.02	0.099	0.109
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	Index 3	40185	2549.5	22.81	23.10	1.069	62.9	1.006	-0.06	0.167	0.180
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	Index 3	40185	2549.5	22.72	23.10	1.091	62.9	1.006	0.03	0.155	0.170
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	Index 3	40185	2549.5	22.81	23.10	1.069	62.9	1.006	0.09	0.130	0.140
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	Index 3	40185	2549.5	22.72	23.10	1.091	62.9	1.006	0	0.119	0.131
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 3	40185	2549.5	24.48	24.70	1.052	42.9	1.009	0.02	0.376	0.399
	LTE Band 41C_Ant 2	20M+20M	QPSK	1	0	Right Cheek	0mm	Index 3	40185+39987	2549.5	20.85	21.10	1.059	62.9	1.006	0.18	0.204	0.217
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	Index 2/3	40185	2549.5	24.16	25.20	1.271	62.9	1.006	0.18	0.190	0.243
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	Index 2/3	40185	2549.5	22.20	23.20	1.259	62.9	1.006	0.11	0.120	0.152
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	Index 2/3	40185	2549.5	24.16	25.20	1.271	62.9	1.006	0.12	0.082	0.105
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	Index 2/3	40185	2549.5	22.20	23.20	1.259	62.9	1.006	-0.08	0.052	0.066
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	Index 2/3	40185	2549.5	24.16	25.20	1.271	62.9	1.006	-0.13	0.397	0.507
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	Index 2/3	40185	2549.5	22.20	23.20	1.259	62.9	1.006	0.15	0.249	0.315
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	Index 2/3	40185	2549.5	24.16	25.20	1.271	62.9	1.006	-0.03	0.072	0.092
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	Index 2/3	40185	2549.5	22.20	23.20	1.259	62.9	1.006	0.06	0.045	0.057
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	Index 2/3	40185	2549.5	25.80	27.00	1.318	42.9	1.009	0.14	0.380	0.505
	LTE Band 41C_Ant 0	20M+20M	QPSK	1	0	Left Cheek	0mm	Index 2/3	40185+39987	2549.5	21.55	23.20	1.462	62.9	1.006	0.11	0.262	0.385

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Cheek	0mm	Index 2	56640	3690	24.01	25.20	1.315	62.9	1.006	-0.06	0.271	0.359
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Cheek	0mm	Index 2	56640	3690	21.84	23.20	1.368	62.9	1.006	0.02	0.169	0.233
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Tilted	0mm	Index 2	56640	3690	24.01	25.20	1.315	62.9	1.006	0.11	0.262	0.347
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Tilted	0mm	Index 2	56640	3690	21.84	23.20	1.368	62.9	1.006	0.01	0.164	0.226
15	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	Index 2	56640	3690	24.01	25.20	1.315	62.9	1.006	0.05	0.623	0.824
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	Index 2	55340	3560	23.73	25.20	1.403	62.9	1.006	0.07	0.523	0.738
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	Index 2	55830	3609	23.66	25.20	1.426	62.9	1.006	0.03	0.556	0.797
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	Index 2	56150	3641	23.83	25.20	1.371	62.9	1.006	-0.02	0.592	0.816
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Cheek	0mm	Index 2	56640	3690	21.84	23.20	1.368	62.9	1.006	0.05	0.392	0.539
	LTE Band 48_Ant 6	20M	QPSK	100	0	Left Cheek	0mm	Index 2	56640	3690	21.80	23.20	1.380	62.9	1.006	-0.08	0.397	0.551
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Tilted	0mm	Index 2	56640	3690	24.01	25.20	1.315	62.9	1.006	0.07	0.176	0.233
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Tilted	0mm	Index 2	56640	3690	21.84	23.20	1.368	62.9	1.006	0.03	0.111	0.153
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Cheek	0mm	Index 3	56640	3690	24.01	25.00	1.256	62.9	1.006	-0.06	0.271	0.342
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Cheek	0mm	Index 3	56640	3690	21.84	23.20	1.368	62.9	1.006	0.02	0.169	0.233
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Tilted	0mm	Index 3	56640	3690	24.01	25.00	1.256	62.9	1.006	0.11	0.262	0.331
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Tilted	0mm	Index 3	56640	3690	21.84	23.20	1.368	62.9	1.006	0.01	0.164	0.226
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	Index 3	56640	3690	24.01	25.00	1.256	62.9	1.006	0.05	0.623	0.787
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	Index 3	55340	3560	23.73	25.00	1.340	62.9	1.006	0.07	0.523	0.705
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	Index 3	55830	3609	23.86	25.00	1.300	62.9	1.006	0.03	0.556	0.727
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	Index 3	56150	3641	23.83	25.00	1.309	62.9	1.006	-0.02	0.592	0.780
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Cheek	0mm	Index 3	56640	3690	21.84	23.20	1.368	62.9	1.006	0.05	0.392	0.539
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Tilted	0mm	Index 3	56640	3690	24.01	25.00	1.256	62.9	1.006	0.07	0.176	0.222
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Tilted	0mm	Index 3	56640	3690	21.84	23.20	1.368	62.9	1.006	0.03	0.111	0.153
	LTE Band 48_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2/3	56640	3690	24.29	25.70	1.384	62.9	1.006	-0.14	0.404	0.562
	LTE Band 48_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 2/3	56640	3690	22.15	23.70	1.429	62.9	1.006	0.05	0.247	0.355
	LTE Band 48_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	Index 2/3	56640	3690	24.29	25.70	1.384	62.9	1.006	-0.09	0.152	0.212
	LTE Band 48_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	Index 2/3	56640	3690	22.15	23.70	1.429	62.9	1.006	0.03	0.093	0.134
	LTE Band 48_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	Index 2/3	56640	3690	24.29	25.70	1.384	62.9	1.006	0.17	0.159	0.221
	LTE Band 48_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	Index 2/3	56640	3690	22.15	23.70	1.429	62.9	1.006	0.08	0.097	0.139
	LTE Band 48_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	Index 2/3	56640	3690	24.29	25.70	1.384	62.9	1.006	0.02	0.229	0.319
	LTE Band 48_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	Index 2/3	56640	3690	22.15	23.70	1.429	62.9	1.006	0.01	0.141	0.203

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 2	132322	1745	24.64	25.70	1.276	0.06	0.509	0.650
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 2	132322	1745	23.53	24.70	1.309	0.09	0.415	0.543
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	Index 2	132322	1745	24.64	25.70	1.276	-0.02	0.277	0.354
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	Index 2	132322	1745	23.53	24.70	1.309	0.02	0.249	0.326
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	Index 2	132322	1745	24.64	25.70	1.276	0.14	0.328	0.419
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	Index 2	132322	1745	23.53	24.70	1.309	0.01	0.277	0.363
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	Index 2	132322	1745	24.64	25.70	1.276	-0.04	0.256	0.327
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	Index 2	132322	1745	23.53	24.70	1.309	0.09	0.221	0.289
	LTE Band 66B_Ant 2	15M+5M	QPSK	1	0	Right Cheek	0mm	Index 2	132322+132229	1745	22.85	23.70	1.216	0.05	0.326	0.396
	LTE Band 66C_Ant 2	20M+20M	QPSK	1	0	Right Cheek	0mm	Index 2	132322+132124	1745	22.89	23.70	1.205	-0.13	0.330	0.398
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	Index 3	132322	1745	24.64	25.50	1.219	0.06	0.509	0.620
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	Index 3	132322	1745	23.53	24.70	1.309	0.09	0.415	0.543
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	Index 3	132322	1745	24.64	25.50	1.219	-0.02	0.277	0.338
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	Index 3	132322	1745	23.53	24.70	1.309	0.02	0.249	0.326
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	Index 3	132322	1745	24.64	25.50	1.219	0.14	0.328	0.400
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	Index 3	132322	1745	23.53	24.70	1.309	0.01	0.277	0.363
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	Index 3	132322	1745	24.64	25.50	1.219	-0.04	0.256	0.312
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	Index 3	132322	1745	23.53	24.70	1.309	0.09	0.221	0.289
	LTE Band 66B_Ant 2	15M+5M	QPSK	1	0	Right Cheek	0mm	Index 3	132322+132229	1745	22.85	23.70	1.216	0.05	0.326	0.396
	LTE Band 66C_Ant 2	20M+20M	QPSK	1	0	Right Cheek	0mm	Index 3	132322+132124	1745	22.89	23.70	1.205	-0.13	0.330	0.398
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	Index 2/3	132322	1745	23.84	25.20	1.368	-0.17	0.202	0.276
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	Index 2/3	132322	1745	22.79	24.20	1.384	0.06	0.164	0.227
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	Index 2/3	132322	1745	23.84	25.20	1.368	0.07	0.184	0.252
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	Index 2/3	132322	1745	22.79	24.20	1.384	0.06	0.143	0.198
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	Index 2/3	132322	1745	23.84	25.20	1.368	0.18	0.383	0.524
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	Index 2/3	132322	1745	22.79	24.20	1.384	0.08	0.311	0.430
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	Index 2/3	132322	1745	23.84	25.20	1.368	-0.02	0.185	0.253
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	Index 2/3	132322	1745	22.79	24.20	1.384	0.09	0.141	0.195
	LTE Band 66B_Ant 0	15M+5M	QPSK	1	0	Left Cheek	0mm	Index 2/3	132322+132229	1745	22.06	23.20	1.300	0.11	0.247	0.321
	LTE Band 66C_Ant 0	20M+20M	QPSK	1	0	Left Cheek	0mm	Index 2/3	132322+132124	1745	21.91	23.20	1.346	0.1	0.237	0.319

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	Index 2	132322	1745	19.82	21.40	1.439	0.03	0.485	0.698
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	Index 2	132322	1745	19.73	21.40	1.469	0.05	0.453	0.665
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 2	132322	1745	19.82	21.40	1.439	-0.04	0.581	0.836
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 2	132072	1720	19.81	21.40	1.442	0.02	0.567	0.818
16	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 2	132572	1770	19.59	21.40	1.517	0.04	0.653	0.991
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	Index 2	132322	1745	19.73	21.40	1.469	-0.05	0.523	0.768
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	Index 2	132322	1745	19.67	21.40	1.489	-0.07	0.498	0.742
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	Index 2	132322	1745	19.82	21.40	1.439	-0.16	0.216	0.311
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	Index 2	132322	1745	19.73	21.40	1.469	-0.12	0.210	0.308
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	Index 2	132322	1745	19.82	21.40	1.439	-0.19	0.269	0.387
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	Index 2	132322	1745	19.73	21.40	1.469	-0.13	0.248	0.364
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	Index 3	132322	1745	19.82	20.60	1.197	0.03	0.485	0.580
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	Index 3	132322	1745	19.73	20.60	1.222	0.05	0.453	0.553
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 3	132322	1745	19.82	20.60	1.197	-0.04	0.681	0.815
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 3	132072	1720	19.81	20.60	1.199	0.02	0.567	0.680
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 3	132572	1770	19.59	20.60	1.262	0.04	0.653	0.824
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	Index 3	132322	1745	19.73	20.60	1.222	-0.05	0.523	0.639
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	Index 3	132322	1745	19.67	20.60	1.239	-0.07	0.498	0.617
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	Index 3	132322	1745	19.82	20.60	1.197	-0.16	0.216	0.258
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	Index 3	132322	1745	19.73	20.60	1.222	-0.12	0.210	0.257
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	Index 3	132322	1745	19.82	20.60	1.197	-0.19	0.269	0.322
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	Index 3	132322	1745	19.73	20.60	1.222	-0.13	0.248	0.303
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	Index 2	132322	1745	22.91	24.40	1.409	-0.1	0.251	0.354
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	Index 2	132322	1745	22.81	24.20	1.377	0.02	0.239	0.329
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	Index 2	132322	1745	22.91	24.40	1.409	-0.01	0.035	0.049
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	Index 2	132322	1745	22.81	24.20	1.377	0.02	0.028	0.039
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	Index 2	132322	1745	22.91	24.40	1.409	-0.03	0.649	0.915
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	Index 2	132072	1720	22.69	24.40	1.483	-0.05	0.611	0.906
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	Index 2	132572	1770	22.80	24.40	1.445	-0.09	0.683	0.987
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	Index 2	132322	1745	22.81	24.20	1.377	-0.07	0.573	0.789
	LTE Band 66_Ant 5	20M	QPSK	100	0	Left Cheek	0mm	Index 2	132322	1745	22.72	24.20	1.406	0.02	0.547	0.769
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	Index 2	132322	1745	22.91	24.40	1.409	0.02	0.057	0.080
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	Index 2	132322	1745	22.81	24.20	1.377	0.01	0.048	0.066
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	Index 3	132322	1745	19.86	20.30	1.107	-0.15	0.126	0.139
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	Index 3	132322	1745	19.81	20.30	1.119	-0.07	0.120	0.134
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	Index 3	132322	1745	19.86	20.30	1.107	-0.01	0.018	0.020
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	Index 3	132322	1745	19.81	20.30	1.119	-0.05	0.014	0.016
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	Index 3	132322	1745	19.86	20.30	1.107	-0.06	0.325	0.360
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	Index 3	132322	1745	19.81	20.30	1.119	-0.14	0.287	0.321
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	Index 3	132322	1745	19.86	20.30	1.107	-0.04	0.029	0.032
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	Index 3	132322	1745	19.81	20.30	1.119	-0.01	0.024	0.027

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	Index 2/3	133297	680.5	24.38	25.70	1.355	0.06	0.174	0.236
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	Index 2/3	133297	680.5	23.36	24.70	1.361	0.05	0.138	0.188
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	Index 2/3	133297	680.5	24.38	25.70	1.355	0.12	0.088	0.119
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	Index 2/3	133297	680.5	23.36	24.70	1.361	0.06	0.074	0.101
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	Index 2/3	133297	680.5	24.38	25.70	1.355	0.09	0.215	0.291
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	Index 2/3	133297	680.5	23.36	24.70	1.361	0.1	0.173	0.236
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	Index 2/3	133297	680.5	24.38	25.70	1.355	0.01	0.107	0.145
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	Index 2/3	133297	680.5	23.36	24.70	1.361	-0.08	0.091	0.124
17	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	Index 2	133297	680.5	21.93	23.00	1.279	-0.06	0.767	0.981
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	Index 2	133297	680.5	21.98	23.00	1.265	0.11	0.761	0.962
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	Index 2	133297	680.5	21.92	23.00	1.282	-0.05	0.759	0.973
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 2	133297	680.5	21.93	23.00	1.279	0	0.689	0.881
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	Index 2	133297	680.5	21.98	23.00	1.265	0.06	0.675	0.854
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	Index 2	133297	680.5	21.92	23.00	1.282	0.06	0.643	0.825
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	Index 2	133297	680.5	21.93	23.00	1.279	-0.16	0.383	0.490
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	Index 2	133297	680.5	21.98	23.00	1.265	-0.08	0.375	0.474
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	Index 2	133297	680.5	21.93	23.00	1.279	-0.08	0.366	0.468
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	Index 2	133297	680.5	21.98	23.00	1.265	0.15	0.350	0.443
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	Index 3	133297	680.5	20.35	21.00	1.161	-0.08	0.543	0.631
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	Index 3	133297	680.5	20.42	21.00	1.143	-0.07	0.539	0.616
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	Index 3	133297	680.5	20.35	21.00	1.161	-0.09	0.488	0.567
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	Index 3	133297	680.5	20.42	21.00	1.143	0.02	0.478	0.546
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	Index 3	133297	680.5	20.35	21.00	1.161	-0.02	0.271	0.315
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	Index 3	133297	680.5	20.42	21.00	1.143	-0.05	0.265	0.303
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	Index 3	133297	680.5	20.35	21.00	1.161	0.09	0.259	0.301
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	Index 3	133297	680.5	20.42	21.00	1.143	0.05	0.248	0.283

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n2_Ant 2	20M	BPSK	1	1	Right Cheek	0mm	Index 2	376000	1880	25.10	25.70	1.148	0.02	0.709	0.814
18	FR1 n2_Ant 2	20M	BPSK	1	1	Right Cheek	0mm	Index 2	372000	1860	25.09	25.70	1.151	-0.06	0.714	0.822
	FR1 n2_Ant 2	20M	BPSK	1	1	Right Cheek	0mm	Index 2	380000	1900	24.90	25.70	1.202	0.01	0.645	0.775
	FR1 n2_Ant 2	20M	BPSK	50	28	Right Cheek	0mm	Index 2	376000	1880	25.05	25.70	1.161	0.03	0.669	0.777
	FR1 n2_Ant 2	20M	BPSK	100	0	Right Cheek	0mm	Index 2	376000	1880	24.46	25.20	1.186	-0.05	0.601	0.713
	FR1 n2_Ant 2	20M	BPSK	1	1	Right Tilted	0mm	Index 2	376000	1880	25.10	25.70	1.148	-0.04	0.249	0.286
	FR1 n2_Ant 2	20M	BPSK	50	28	Right Tilted	0mm	Index 2	376000	1880	25.05	25.70	1.161	0.01	0.230	0.267
	FR1 n2_Ant 2	20M	BPSK	1	1	Left Cheek	0mm	Index 2	376000	1880	25.10	25.70	1.148	0.16	0.448	0.514
	FR1 n2_Ant 2	20M	BPSK	50	28	Left Cheek	0mm	Index 2	376000	1880	25.05	25.70	1.161	0.06	0.433	0.503
	FR1 n2_Ant 2	20M	BPSK	1	1	Left Tilted	0mm	Index 2	376000	1880	25.10	25.70	1.148	-0.14	0.301	0.346
	FR1 n2_Ant 2	20M	BPSK	50	28	Left Tilted	0mm	Index 2	376000	1880	25.05	25.70	1.161	-0.03	0.293	0.340
	FR1 n2_Ant 2	20M	BPSK	1	1	Right Cheek	0mm	Index 3	376000	1880	25.10	25.10	1.000	0.02	0.709	0.709
	FR1 n2_Ant 2	20M	BPSK	50	28	Right Cheek	0mm	Index 3	376000	1880	25.05	25.10	1.012	0.03	0.669	0.677
	FR1 n2_Ant 2	20M	BPSK	1	1	Right Tilted	0mm	Index 3	376000	1880	25.10	25.10	1.000	-0.04	0.249	0.249
	FR1 n2_Ant 2	20M	BPSK	50	28	Right Tilted	0mm	Index 3	376000	1880	25.05	25.10	1.012	0.01	0.230	0.233
	FR1 n2_Ant 2	20M	BPSK	1	1	Left Cheek	0mm	Index 3	376000	1880	25.10	25.10	1.000	0.16	0.448	0.448
	FR1 n2_Ant 2	20M	BPSK	50	28	Left Cheek	0mm	Index 3	376000	1880	25.05	25.10	1.012	0.06	0.433	0.438
	FR1 n2_Ant 2	20M	BPSK	1	1	Left Tilted	0mm	Index 3	376000	1880	25.10	25.10	1.000	-0.14	0.301	0.301
	FR1 n2_Ant 2	20M	BPSK	50	28	Left Tilted	0mm	Index 3	376000	1880	25.05	25.10	1.012	-0.03	0.293	0.296
	FR1 n2_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	Index 2	376000	1880	24.22	25.20	1.253	0.03	0.285	0.357
	FR1 n2_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	Index 2	376000	1880	24.04	25.20	1.306	0.15	0.297	0.388
	FR1 n2_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	Index 2	376000	1880	24.22	25.20	1.253	-0.05	0.290	0.363
	FR1 n2_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	Index 2	376000	1880	24.04	25.20	1.306	0	0.300	0.392
	FR1 n2_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	Index 2	376000	1880	24.22	25.20	1.253	0.01	0.526	0.659
	FR1 n2_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	Index 2	376000	1880	24.04	25.20	1.306	0.14	0.608	0.794
	FR1 n2_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	Index 2	376000	1880	24.22	25.20	1.253	-0.17	0.254	0.318
	FR1 n2_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	Index 2	376000	1880	24.04	25.20	1.306	-0.03	0.271	0.354
	FR1 n2_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	Index 3	376000	1880	24.22	24.50	1.067	0.03	0.285	0.304
	FR1 n2_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	Index 3	376000	1880	24.04	24.50	1.112	0.15	0.297	0.330
	FR1 n2_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	Index 3	376000	1880	24.22	24.50	1.067	-0.05	0.290	0.309
	FR1 n2_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	Index 3	376000	1880	24.04	24.50	1.112	0	0.300	0.334
	FR1 n2_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	Index 3	376000	1880	24.22	24.50	1.067	0.01	0.526	0.561
	FR1 n2_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	Index 3	376000	1880	24.04	24.50	1.112	0.14	0.608	0.676
	FR1 n2_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	Index 3	376000	1880	24.22	24.50	1.067	-0.17	0.254	0.271
	FR1 n2_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	Index 3	376000	1880	24.04	24.50	1.112	-0.03	0.271	0.301

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n5_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	Index 2/3	167300	836.5	24.26	25.70	1.393	0.03	0.254	0.354
	FR1 n5_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	Index 2/3	167300	836.5	24.20	25.70	1.413	-0.09	0.270	0.381
	FR1 n5_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	Index 2/3	167300	836.5	24.26	25.70	1.393	0.08	0.141	0.196
	FR1 n5_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	Index 2/3	167300	836.5	24.20	25.70	1.413	-0.04	0.147	0.208
	FR1 n5_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	Index 2/3	167300	836.5	24.26	25.70	1.393	0.05	0.302	0.421
	FR1 n5_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	Index 2/3	167300	836.5	24.20	25.70	1.413	0.14	0.325	0.459
	FR1 n5_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	Index 2/3	167300	836.5	24.26	25.70	1.393	-0.17	0.153	0.213
	FR1 n5_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	Index 2/3	167300	836.5	24.20	25.70	1.413	0	0.155	0.219
19	FR1 n5_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	Index 2	167300	836.5	20.56	22.20	1.459	0.04	0.662	0.966
	FR1 n5_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	Index 2	167300	836.5	20.58	22.20	1.452	0.01	0.642	0.932
	FR1 n5_Ant 1	20M	BPSK	100	0	Right Cheek	0mm	Index 2	167300	836.5	20.59	22.20	1.449	0.02	0.651	0.943
	FR1 n5_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	Index 2	167300	836.5	20.56	22.20	1.459	-0.1	0.571	0.833
	FR1 n5_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	Index 2	167300	836.5	20.58	22.20	1.452	-0.05	0.564	0.819
	FR1 n5_Ant 1	20M	BPSK	100	0	Right Tilted	0mm	Index 2	167300	836.5	20.59	22.20	1.449	-0.04	0.568	0.823
	FR1 n5_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	Index 2	167300	836.5	20.56	22.20	1.459	0	0.435	0.635
	FR1 n5_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	Index 2	167300	836.5	20.58	22.20	1.452	0.03	0.418	0.607
	FR1 n5_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	Index 2	167300	836.5	20.56	22.20	1.459	0.05	0.391	0.570
	FR1 n5_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	Index 2	167300	836.5	20.58	22.20	1.452	0.02	0.384	0.558
	FR1 n5_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	Index 3	167300	836.5	19.86	20.20	1.081	-0.04	0.563	0.609
	FR1 n5_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	Index 3	167300	836.5	19.84	20.20	1.086	-0.02	0.546	0.593
	FR1 n5_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	Index 3	167300	836.5	19.86	20.20	1.081	-0.09	0.486	0.526
	FR1 n5_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	Index 3	167300	836.5	19.84	20.20	1.086	-0.09	0.480	0.521
	FR1 n5_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	Index 3	167300	836.5	19.86	20.20	1.081	-0.02	0.370	0.400
	FR1 n5_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	Index 3	167300	836.5	19.84	20.20	1.086	-0.02	0.356	0.387
	FR1 n5_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	Index 3	167300	836.5	19.86	20.20	1.081	-0.05	0.333	0.360
	FR1 n5_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	Index 3	167300	836.5	19.84	20.20	1.086	0.06	0.327	0.355

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
20	FR1 n7_Ant 2	50M	BPSK	1	1	Right Cheek	0mm	Index 2	507000	2535	24.15	25.70	1.429	-0.03	0.695	0.993
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Cheek	0mm	Index 2	507000	2535	24.02	25.70	1.472	0.02	0.670	0.986
	FR1 n7_Ant 2	50M	BPSK	270	0	Right Cheek	0mm	Index 2	507000	2535	23.91	25.20	1.346	0.05	0.551	0.742
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Tilted	0mm	Index 2	507000	2535	24.15	25.70	1.429	0.01	0.228	0.326
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Tilted	0mm	Index 2	507000	2535	24.02	25.70	1.472	0.15	0.210	0.309
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Cheek	0mm	Index 2	507000	2535	24.15	25.70	1.429	-0.13	0.272	0.389
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Cheek	0mm	Index 2	507000	2535	24.02	25.70	1.472	-0.15	0.345	0.508
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Tilted	0mm	Index 2	507000	2535	24.15	25.70	1.429	0	0.308	0.440
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Tilted	0mm	Index 2	507000	2535	24.02	25.70	1.472	0.16	0.271	0.399
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Cheek	0mm	Index 3	507000	2535	23.65	24.00	1.084	-0.03	0.619	0.671
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Cheek	0mm	Index 3	507000	2535	23.51	24.00	1.119	0.02	0.597	0.668
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Tilted	0mm	Index 3	507000	2535	23.65	24.00	1.084	0.01	0.203	0.220
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Tilted	0mm	Index 3	507000	2535	23.51	24.00	1.119	0.15	0.192	0.215
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Cheek	0mm	Index 3	507000	2535	23.65	24.00	1.084	-0.13	0.242	0.262
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Cheek	0mm	Index 3	507000	2535	23.51	24.00	1.119	-0.15	0.230	0.257
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Tilted	0mm	Index 3	507000	2535	23.65	24.00	1.084	0	0.275	0.298
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Tilted	0mm	Index 3	507000	2535	23.51	24.00	1.119	0.16	0.242	0.271
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Cheek	0mm	Index 2	507000	2535	23.52	25.20	1.472	0.19	0.243	0.358
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Cheek	0mm	Index 2	507000	2535	23.35	25.20	1.531	0.07	0.206	0.315
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Tilted	0mm	Index 2	507000	2535	23.52	25.20	1.472	0.06	0.110	0.162
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Tilted	0mm	Index 2	507000	2535	23.35	25.20	1.531	0.08	0.087	0.133
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Cheek	0mm	Index 2	507000	2535	23.52	25.20	1.472	0.07	0.596	0.877
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Cheek	0mm	Index 2	507000	2535	23.35	25.20	1.531	0.05	0.535	0.819
	FR1 n7_Ant 0	50M	BPSK	270	0	Left Cheek	0mm	Index 2	507000	2535	23.22	24.70	1.406	0.19	0.466	0.655
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Tilted	0mm	Index 2	507000	2535	23.52	25.20	1.472	-0.1	0.102	0.150
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Tilted	0mm	Index 2	507000	2535	23.35	25.20	1.531	0.15	0.080	0.122
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Cheek	0mm	Index 3	507000	2535	23.52	23.70	1.042	0.19	0.243	0.253
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Cheek	0mm	Index 3	507000	2535	23.35	23.70	1.084	0.07	0.206	0.223
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Tilted	0mm	Index 3	507000	2535	23.52	23.70	1.042	0.06	0.110	0.115
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Tilted	0mm	Index 3	507000	2535	23.35	23.70	1.084	0.08	0.087	0.094
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Cheek	0mm	Index 3	507000	2535	23.52	23.70	1.042	0.07	0.596	0.621
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Cheek	0mm	Index 3	507000	2535	23.35	23.70	1.084	0.05	0.535	0.580
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Tilted	0mm	Index 3	507000	2535	23.52	23.70	1.042	-0.1	0.102	0.106
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Tilted	0mm	Index 3	507000	2535	23.35	23.70	1.084	0.15	0.080	0.087

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Cheek	0mm	Index 2	641666	3624.99	20.49	20.50	1.002	0.06	0.260	0.261
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Cheek	0mm	Index 2	641666	3624.99	24.42	25.20	1.197	-0.09	0.466	0.558
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Tilted	0mm	Index 2	641666	3624.99	20.49	20.50	1.002	-0.03	0.530	0.531
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Tilted	0mm	Index 2	641666	3624.99	24.42	25.20	1.197	-0.05	0.453	0.542
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Cheek	0mm	Index 2	641666	3624.99	20.49	20.50	1.002	0.04	0.245	0.246
21	FR1 n48_Ant 6	40M	BPSK	50	25	Left Cheek	0mm	Index 2	641666	3624.985	24.42	25.20	1.197	-0.16	0.760	0.910
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Cheek	0mm	Index 2	638000	3570	13.72	14.00	1.067	0.03	0.067	0.071
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Cheek	0mm	Index 2	645332	3679.98	14.12	14.50	1.091	0.09	0.077	0.084
	FR1 n48_Ant 6	40M	BPSK	100	0	Left Cheek	0mm	Index 2	641666	3624.99	19.91	20.00	1.021	0.13	0.271	0.277
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Tilted	0mm	Index 2	641666	3624.99	24.42	25.20	1.197	0.15	0.110	0.132
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Tilted	0mm	Index 2	641666	3624.99	24.42	25.20	1.197	-0.18	0.264	0.316
	FR1 n48_Ant 6	20M	BPSK	1	1	Right Cheek	0mm	Index 2	641666	3624.99	24.47	25.20	1.183	-0.11	0.450	0.532
	FR1 n48_Ant 6	20M	BPSK	1	1	Right Tilted	0mm	Index 2	641666	3624.99	24.47	25.20	1.183	0.03	0.448	0.530
	FR1 n48_Ant 6	20M	BPSK	1	1	Left Cheek	0mm	Index 2	641666	3624.99	24.47	25.20	1.183	0.15	0.740	0.875
	FR1 n48_Ant 6	20M	BPSK	1	49	Left Cheek	0mm	Index 2	637334	3560.01	24.11	25.20	1.285	0.09	0.671	0.862
	FR1 n48_Ant 6	20M	BPSK	1	1	Left Cheek	0mm	Index 2	646000	3690	24.50	25.20	1.175	-0.15	0.690	0.811
	FR1 n48_Ant 6	20M	BPSK	25	12	Left Cheek	0mm	Index 2	637334	3560.01	24.15	25.20	1.274	-0.13	0.650	0.828
	FR1 n48_Ant 6	20M	BPSK	25	12	Left Cheek	0mm	Index 2	646000	3690	24.34	25.20	1.219	-0.16	0.682	0.831
	FR1 n48_Ant 6	20M	BPSK	50	0	Left Cheek	0mm	Index 2	641666	3624.99	23.93	24.70	1.194	0.19	0.650	0.776
	FR1 n48_Ant 6	20M	BPSK	1	1	Left Tilted	0mm	Index 2	641666	3624.99	24.47	25.20	1.183	0.09	0.255	0.302
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Cheek	0mm	Index 3	641666	3624.99	20.49	20.50	1.002	0.06	0.260	0.261
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Cheek	0mm	Index 3	641666	3624.99	24.42	24.60	1.042	-0.09	0.466	0.486
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Tilted	0mm	Index 3	641666	3624.99	20.49	20.50	1.002	-0.03	0.530	0.531
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Tilted	0mm	Index 3	641666	3624.99	24.42	24.60	1.042	-0.05	0.453	0.472
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Cheek	0mm	Index 3	641666	3624.99	20.49	20.50	1.002	0.04	0.245	0.246
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Cheek	0mm	Index 3	641666	3624.985	24.42	24.60	1.042	-0.16	0.760	0.792
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Cheek	0mm	Index 3	638000	3570	13.72	14.00	1.067	0.03	0.067	0.071
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Cheek	0mm	Index 3	645332	3679.98	14.12	14.50	1.091	0.09	0.077	0.084
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Tilted	0mm	Index 3	641666	3624.99	24.42	24.60	1.042	0.15	0.110	0.115
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Tilted	0mm	Index 3	641666	3624.99	24.42	24.60	1.042	-0.18	0.264	0.275
	FR1 n48_Ant 6	20M	BPSK	1	1	Right Cheek	0mm	Index 3	641666	3624.99	24.47	24.60	1.030	-0.11	0.450	0.464
	FR1 n48_Ant 6	20M	BPSK	1	1	Right Tilted	0mm	Index 3	641666	3624.99	24.47	24.60	1.030	0.03	0.448	0.462
	FR1 n48_Ant 6	20M	BPSK	1	1	Left Cheek	0mm	Index 3	641666	3624.99	24.47	24.60	1.030	0.15	0.740	0.762
	FR1 n48_Ant 6	20M	BPSK	25	12	Left Cheek	0mm	Index 3	637334	3560.01	24.15	24.60	1.109	-0.13	0.650	0.721
	FR1 n48_Ant 6	20M	BPSK	25	12	Left Cheek	0mm	Index 3	646000	3690	24.34	24.60	1.062	-0.16	0.682	0.724
	FR1 n48_Ant 6	20M	BPSK	1	1	Left Tilted	0mm	Index 3	641666	3624.99	24.47	24.60	1.030	0.09	0.255	0.263

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48_Ant 2	40M	BPSK	1	0	Right Cheek	0mm	Index 2	641666	3624.99	20.41	20.50	1.021	0.03	0.177	0.181
	FR1 n48_Ant 2	40M	BPSK	50	25	Right Cheek	0mm	Index 2	641666	3624.99	24.23	25.70	1.403	0.11	0.427	0.599
	FR1 n48_Ant 2	40M	BPSK	1	0	Right Tilted	0mm	Index 2	641666	3624.99	20.41	20.50	1.021	-0.02	0.049	0.050
	FR1 n48_Ant 2	40M	BPSK	50	25	Right Tilted	0mm	Index 2	641666	3624.99	24.23	25.70	1.403	0.16	0.129	0.181
	FR1 n48_Ant 2	40M	BPSK	1	0	Left Cheek	0mm	Index 2	641666	3624.99	20.41	20.50	1.021	-0.11	0.095	0.097
	FR1 n48_Ant 2	40M	BPSK	50	25	Left Cheek	0mm	Index 2	641666	3624.99	24.23	25.70	1.403	-0.16	0.213	0.299
	FR1 n48_Ant 2	40M	BPSK	1	0	Left Tilted	0mm	Index 2	641666	3624.99	20.41	20.50	1.021	-0.03	0.085	0.087
	FR1 n48_Ant 2	40M	BPSK	50	25	Left Tilted	0mm	Index 2	641666	3624.99	24.23	25.70	1.403	0.03	0.197	0.276
	FR1 n48_Ant 2	20M	BPSK	1	1	Right Cheek	0mm	Index 2	641666	3624.99	24.30	25.70	1.380	0.06	0.419	0.578
	FR1 n48_Ant 2	20M	BPSK	1	1	Right Tilted	0mm	Index 2	641666	3624.99	24.30	25.70	1.380	0.09	0.125	0.173
	FR1 n48_Ant 2	20M	BPSK	1	1	Left Cheek	0mm	Index 2	641666	3624.99	24.30	25.70	1.380	-0.01	0.201	0.277
	FR1 n48_Ant 2	20M	BPSK	1	1	Left Tilted	0mm	Index 2	641666	3624.99	24.30	25.70	1.380	-0.09	0.188	0.260
	FR1 n48_Ant 2	40M	BPSK	1	0	Right Cheek	0mm	Index 3	641666	3624.99	20.41	20.50	1.021	0.03	0.177	0.181
	FR1 n48_Ant 2	40M	BPSK	50	25	Right Cheek	0mm	Index 3	641666	3624.99	24.23	25.00	1.194	0.11	0.427	0.510
	FR1 n48_Ant 2	40M	BPSK	1	0	Right Tilted	0mm	Index 3	641666	3624.99	20.41	20.50	1.021	-0.02	0.049	0.050
	FR1 n48_Ant 2	40M	BPSK	50	25	Right Tilted	0mm	Index 3	641666	3624.99	24.23	25.00	1.194	0.16	0.129	0.154
	FR1 n48_Ant 2	40M	BPSK	1	0	Left Cheek	0mm	Index 3	641666	3624.99	20.41	20.50	1.021	-0.11	0.095	0.097
	FR1 n48_Ant 2	40M	BPSK	50	25	Left Cheek	0mm	Index 3	641666	3624.99	24.23	25.00	1.194	-0.16	0.213	0.254
	FR1 n48_Ant 2	40M	BPSK	1	0	Left Tilted	0mm	Index 3	641666	3624.99	20.41	20.50	1.021	-0.03	0.085	0.087
	FR1 n48_Ant 2	40M	BPSK	50	25	Left Tilted	0mm	Index 3	641666	3624.99	24.23	25.00	1.194	0.03	0.197	0.235
	FR1 n48_Ant 2	20M	BPSK	1	1	Right Cheek	0mm	Index 3	641666	3624.99	24.30	25.00	1.175	0.06	0.419	0.492
	FR1 n48_Ant 2	20M	BPSK	1	1	Right Tilted	0mm	Index 3	641666	3624.99	24.30	25.00	1.175	0.09	0.125	0.147
	FR1 n48_Ant 2	20M	BPSK	1	1	Left Cheek	0mm	Index 3	641666	3624.99	24.30	25.00	1.175	-0.01	0.201	0.236
	FR1 n48_Ant 2	20M	BPSK	1	1	Left Tilted	0mm	Index 3	641666	3624.99	24.30	25.00	1.175	-0.09	0.188	0.221

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n66_Ant 2	40M	BPSK	1	108	Right Cheek	0mm	Index 2	349000	1745	25.16	25.70	1.132	0.03	0.485	0.549
22	FR1 n66_Ant 2	40M	BPSK	108	54	Right Cheek	0mm	Index 2	349000	1745	25.07	25.70	1.156	0.07	0.589	0.681
	FR1 n66_Ant 2	40M	BPSK	1	108	Right Tilted	0mm	Index 2	349000	1745	25.16	25.70	1.132	0.01	0.244	0.276
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Tilted	0mm	Index 2	349000	1745	25.07	25.70	1.156	0.04	0.249	0.288
	FR1 n66_Ant 2	40M	BPSK	1	108	Left Cheek	0mm	Index 2	349000	1745	25.16	25.70	1.132	0.01	0.354	0.401
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Cheek	0mm	Index 2	349000	1745	25.07	25.70	1.156	0.01	0.350	0.405
	FR1 n66_Ant 2	40M	BPSK	1	108	Left Tilted	0mm	Index 2	349000	1745	25.16	25.70	1.132	0.01	0.225	0.255
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Tilted	0mm	Index 2	349000	1745	25.07	25.70	1.156	0.02	0.229	0.265
	FR1 n66_Ant 2	40M	BPSK	1	108	Right Cheek	0mm	Index 3	349000	1745	25.16	25.40	1.057	0.03	0.485	0.513
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Cheek	0mm	Index 3	349000	1745	25.07	25.40	1.079	0.07	0.589	0.635
	FR1 n66_Ant 2	40M	BPSK	1	108	Right Tilted	0mm	Index 3	349000	1745	25.16	25.40	1.057	0.01	0.244	0.258
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Tilted	0mm	Index 3	349000	1745	25.07	25.40	1.079	0.04	0.249	0.269
	FR1 n66_Ant 2	40M	BPSK	1	108	Left Cheek	0mm	Index 3	349000	1745	25.16	25.40	1.057	0.01	0.354	0.374
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Cheek	0mm	Index 3	349000	1745	25.07	25.40	1.079	0.01	0.350	0.378
	FR1 n66_Ant 2	40M	BPSK	1	108	Left Tilted	0mm	Index 3	349000	1745	25.16	25.40	1.057	0.01	0.225	0.238
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Tilted	0mm	Index 3	349000	1745	25.07	25.40	1.079	0.02	0.229	0.247
	FR1 n66_Ant 0	40M	BPSK	1	108	Right Cheek	0mm	Index 2/3	349000	1745	24.42	25.20	1.197	0.11	0.181	0.217
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Cheek	0mm	Index 2/3	349000	1745	24.29	25.20	1.233	0.04	0.172	0.212
	FR1 n66_Ant 0	40M	BPSK	1	108	Right Tilted	0mm	Index 2/3	349000	1745	24.42	25.20	1.197	0.07	0.194	0.232
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Tilted	0mm	Index 2/3	349000	1745	24.29	25.20	1.233	-0.05	0.182	0.224
	FR1 n66_Ant 0	40M	BPSK	1	108	Left Cheek	0mm	Index 2/3	349000	1745	24.42	25.20	1.197	0.1	0.442	0.529
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Cheek	0mm	Index 2/3	349000	1745	24.29	25.20	1.233	0.03	0.427	0.527
	FR1 n66_Ant 0	40M	BPSK	1	108	Left Tilted	0mm	Index 2/3	349000	1745	24.42	25.20	1.197	-0.03	0.195	0.233
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Tilted	0mm	Index 2/3	349000	1745	24.29	25.20	1.233	0.05	0.176	0.217
	FR1 n71_Ant 0	20M	BPSK	1	53	Right Cheek	0mm	Index 2/3	136100	680.5	24.45	25.70	1.334	0.04	0.193	0.257
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	Index 2/3	136100	680.5	24.35	25.70	1.365	0.12	0.187	0.255
	FR1 n71_Ant 0	20M	BPSK	1	53	Right Tilted	0mm	Index 2/3	136100	680.5	24.45	25.70	1.334	-0.01	0.104	0.139
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	Index 2/3	136100	680.5	24.35	25.70	1.365	-0.08	0.095	0.130
	FR1 n71_Ant 0	20M	BPSK	1	53	Left Cheek	0mm	Index 2/3	136100	680.5	24.45	25.70	1.334	-0.09	0.209	0.279
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	Index 2/3	136100	680.5	24.35	25.70	1.365	0.11	0.198	0.270
	FR1 n71_Ant 0	20M	BPSK	1	53	Left Tilted	0mm	Index 2/3	136100	680.5	24.45	25.70	1.334	-0.02	0.114	0.152
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	Index 2/3	136100	680.5	24.35	25.70	1.365	-0.09	0.108	0.147
23	FR1 n71_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	Index 2	136100	680.5	22.15	23.20	1.274	0.02	0.758	0.965
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	Index 2	136100	680.5	22.14	23.20	1.276	0.05	0.746	0.952
	FR1 n71_Ant 1	20M	BPSK	100	0	Right Cheek	0mm	Index 2	136100	680.5	22.13	23.20	1.279	0.01	0.751	0.961
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	Index 2	136100	680.5	22.15	23.20	1.274	-0.01	0.584	0.744
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	Index 2	136100	680.5	22.14	23.20	1.276	-0.03	0.579	0.739
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	Index 2	136100	680.5	22.15	23.20	1.274	-0.16	0.304	0.387
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	Index 2	136100	680.5	22.14	23.20	1.276	-0.1	0.299	0.382
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	Index 2	136100	680.5	22.15	23.20	1.274	-0.09	0.333	0.424
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	Index 2	136100	680.5	22.14	23.20	1.276	0.03	0.308	0.393
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	Index 3	136100	680.5	20.35	21.10	1.189	0	0.501	0.595
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	Index 3	136100	680.5	20.34	21.10	1.191	-0.08	0.493	0.587
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	Index 3	136100	680.5	20.35	21.10	1.189	0.1	0.386	0.459
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	Index 3	136100	680.5	20.34	21.10	1.191	-0.09	0.383	0.456
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	Index 3	136100	680.5	20.35	21.10	1.189	0.09	0.201	0.239
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	Index 3	136100	680.5	20.34	21.10	1.191	-0.09	0.198	0.236
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	Index 3	136100	680.5	20.35	21.10	1.189	0.08	0.220	0.261
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	Index 3	136100	680.5	20.34	21.10	1.191	-0.05	0.203	0.242

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	Index 2	656000	3840	22.37	23.70	1.358	0.08	0.277	0.376
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	Index 2	656000	3840	22.00	23.70	1.479	0.06	0.235	0.348
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	Index 2	656000	3840	22.37	23.70	1.358	-0.08	0.217	0.295
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	Index 2	656000	3840	22.00	23.70	1.479	-0.03	0.174	0.257
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	Index 2	656000	3840	22.37	23.70	1.358	-0.13	0.491	0.667
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	Index 2	656000	3840	22.00	23.70	1.479	-0.08	0.414	0.612
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	Index 2	656000	3840	22.37	23.70	1.358	-0.11	0.167	0.227
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	Index 2	656000	3840	22.00	23.70	1.479	-0.06	0.141	0.209
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	Index 2	656000	3840	25.40	26.70	1.349	0.13	0.491	0.662
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	Index 3	656000	3840	22.37	22.90	1.130	0.08	0.277	0.313
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	Index 3	656000	3840	22.00	22.90	1.230	0.06	0.235	0.289
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	Index 3	656000	3840	22.37	22.90	1.130	-0.08	0.217	0.245
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	Index 3	656000	3840	22.00	22.90	1.230	-0.03	0.174	0.214
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	Index 3	656000	3840	22.37	22.90	1.130	-0.13	0.491	0.555
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	Index 3	656000	3840	22.00	22.90	1.230	-0.08	0.414	0.509
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	Index 3	656000	3840	22.37	22.90	1.130	-0.11	0.167	0.189
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	Index 3	656000	3840	22.00	22.90	1.230	-0.06	0.141	0.173
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	Index 3	656000	3840	25.40	25.90	1.122	0.13	0.491	0.551
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	Index 2	633332	3499.98	22.19	23.70	1.416	-0.12	0.245	0.347
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	Index 2	633332	3499.98	21.90	23.70	1.514	-0.09	0.213	0.322
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	Index 2	633332	3499.98	22.19	23.70	1.416	0.08	0.196	0.277
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	Index 2	633332	3499.98	21.90	23.70	1.514	0.04	0.157	0.238
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	Index 2	633332	3499.98	22.19	23.70	1.416	-0.06	0.445	0.630
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	Index 2	633332	3499.98	21.90	23.70	1.514	-0.03	0.413	0.625
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	Index 2	633332	3499.98	22.19	23.70	1.416	0.17	0.138	0.195
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	Index 2	633332	3499.98	21.90	23.70	1.514	0.12	0.115	0.174
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	Index 2	633332	3499.98	25.11	26.70	1.442	-0.13	0.424	0.611
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	Index 3	633332	3499.98	22.19	22.90	1.178	-0.12	0.245	0.289
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	Index 3	633332	3499.98	21.90	22.90	1.259	-0.09	0.213	0.268
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	Index 3	633332	3499.98	22.19	22.90	1.178	0.08	0.196	0.231
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	Index 3	633332	3499.98	21.90	22.90	1.259	0.04	0.157	0.198
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	Index 3	633332	3499.98	22.19	22.90	1.178	-0.06	0.445	0.524
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	Index 3	633332	3499.98	21.90	22.90	1.259	-0.03	0.413	0.520
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	Index 3	633332	3499.98	22.19	22.90	1.178	0.17	0.138	0.163
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	Index 3	633332	3499.98	21.90	22.90	1.259	0.12	0.115	0.145
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	Index 3	633332	3499.98	25.11	25.90	1.199	-0.13	0.424	0.509

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	Index 2	656000	3840	23.70	24.70	1.259	0.04	0.391	0.492
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Cheek	0mm	Index 2	656000	3840	23.23	24.70	1.403	-0.04	0.330	0.463
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Tilted	0mm	Index 2	656000	3840	23.70	24.70	1.259	0.14	0.128	0.161
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Tilted	0mm	Index 2	656000	3840	23.23	24.70	1.403	0.1	0.112	0.157
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Cheek	0mm	Index 2	656000	3840	23.70	24.70	1.259	0.17	0.181	0.228
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Cheek	0mm	Index 2	656000	3840	23.23	24.70	1.403	0.14	0.152	0.213
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Tilted	0mm	Index 2	656000	3840	23.70	24.70	1.259	-0.09	0.196	0.247
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Tilted	0mm	Index 2	656000	3840	23.23	24.70	1.403	-0.05	0.162	0.227
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	Index 2	656000	3840	25.81	26.70	1.227	-0.16	0.308	0.378
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	Index 3	656000	3840	22.69	23.00	1.074	-0.02	0.311	0.334
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Cheek	0mm	Index 3	656000	3840	22.67	23.00	1.079	-0.07	0.262	0.283
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Tilted	0mm	Index 3	656000	3840	22.69	23.00	1.074	-0.03	0.102	0.110
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Tilted	0mm	Index 3	656000	3840	22.67	23.00	1.079	-0.09	0.089	0.096
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Cheek	0mm	Index 3	656000	3840	22.69	23.00	1.074	-0.04	0.144	0.155
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Cheek	0mm	Index 3	656000	3840	22.67	23.00	1.079	-0.05	0.121	0.131
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Tilted	0mm	Index 3	656000	3840	22.69	23.00	1.074	0.06	0.156	0.168
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Tilted	0mm	Index 3	656000	3840	22.67	23.00	1.079	-0.05	0.129	0.139
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	Index 3	656000	3840	25.81	26.00	1.045	-0.16	0.308	0.322
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	Index 2	633332	3499.98	23.55	24.70	1.303	-0.14	0.724	0.943
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Cheek	0mm	Index 2	633332	3499.98	23.09	24.70	1.449	-0.12	0.622	0.901
	FR1 n77_Ant 2	100M	BPSK	270	0	Right Cheek	0mm	Index 2	633332	3499.98	22.59	24.20	1.449	0.04	0.563	0.816
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Tilted	0mm	Index 2	633332	3499.98	23.55	24.70	1.303	-0.06	0.207	0.270
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Tilted	0mm	Index 2	633332	3499.98	23.09	24.70	1.449	-0.03	0.163	0.236
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Cheek	0mm	Index 2	633332	3499.98	23.55	24.70	1.303	-0.07	0.369	0.481
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Cheek	0mm	Index 2	633332	3499.98	23.09	24.70	1.449	0.03	0.314	0.455
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Tilted	0mm	Index 2	633332	3499.98	23.55	24.70	1.303	0.03	0.298	0.388
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Tilted	0mm	Index 2	633332	3499.98	23.09	24.70	1.449	0.04	0.253	0.367
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	Index 2	633332	3499.98	25.65	26.70	1.274	0.04	0.613	0.781
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	Index 3	633332	3499.98	22.53	23.00	1.114	0	0.599	0.667
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Cheek	0mm	Index 3	633332	3499.98	22.23	23.00	1.194	-0.02	0.494	0.590
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Tilted	0mm	Index 3	633332	3499.98	22.53	23.00	1.114	-0.09	0.164	0.183
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Tilted	0mm	Index 3	633332	3499.98	22.23	23.00	1.194	0.04	0.129	0.154
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Cheek	0mm	Index 3	633332	3499.98	22.53	23.00	1.114	0.03	0.293	0.326
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Cheek	0mm	Index 3	633332	3499.98	22.23	23.00	1.194	-0.07	0.249	0.297
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Tilted	0mm	Index 3	633332	3499.98	22.53	23.00	1.114	-0.05	0.237	0.264
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Tilted	0mm	Index 3	633332	3499.98	22.23	23.00	1.194	-0.02	0.201	0.240
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	Index 3	633332	3499.98	25.65	26.00	1.084	0.04	0.613	0.664

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	Index 2	656000	3840	16.04	17.20	1.306	0.02	0.316	0.413
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	Index 2	656000	3840	15.71	17.20	1.409	0.15	0.204	0.287
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	Index 2	656000	3840	16.04	17.20	1.306	0.05	0.356	0.465
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	Index 2	656000	3840	15.71	17.20	1.409	-0.08	0.211	0.297
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	Index 2	656000	3840	16.04	17.20	1.306	-0.02	0.098	0.128
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	Index 2	656000	3840	15.71	17.20	1.409	0.15	0.071	0.100
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	Index 2	656000	3840	16.04	17.20	1.306	-0.15	0.139	0.182
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	Index 2	656000	3840	15.71	17.20	1.409	0.14	0.087	0.123
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	Index 3	656000	3840	16.04	16.40	1.086	0.02	0.316	0.343
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	Index 3	656000	3840	15.71	16.40	1.172	0.15	0.204	0.239
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	Index 3	656000	3840	16.04	16.40	1.086	0.05	0.356	0.387
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	Index 3	656000	3840	15.71	16.40	1.172	-0.08	0.211	0.247
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	Index 3	656000	3840	16.04	16.40	1.086	-0.02	0.098	0.106
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	Index 3	656000	3840	15.71	16.40	1.172	0.15	0.071	0.083
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	Index 3	656000	3840	16.04	16.40	1.086	-0.15	0.139	0.151
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	Index 3	656000	3840	15.71	16.40	1.172	0.14	0.087	0.102
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	Index 2	633332	3499.98	16.29	17.20	1.233	0.11	0.261	0.322
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	Index 2	633332	3499.98	16.04	17.20	1.306	0.14	0.255	0.333
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	Index 2	633332	3499.98	16.29	17.20	1.233	-0.08	0.512	0.631
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	Index 2	633332	3499.98	16.04	17.20	1.306	0.12	0.529	0.691
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	Index 2	633332	3499.98	16.29	17.20	1.233	-0.14	0.117	0.144
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	Index 2	633332	3499.98	16.04	17.20	1.306	0.17	0.121	0.158
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	Index 2	633332	3499.98	16.29	17.20	1.233	0.06	0.172	0.212
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	Index 2	633332	3499.98	16.04	17.20	1.306	-0.18	0.175	0.229
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	Index 3	633332	3499.98	16.29	16.40	1.026	0.11	0.261	0.268
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	Index 3	633332	3499.98	16.04	16.40	1.086	0.14	0.255	0.277
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	Index 3	633332	3499.98	16.29	16.40	1.026	-0.08	0.512	0.525
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	Index 3	633332	3499.98	16.04	16.40	1.086	0.12	0.529	0.575
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	Index 3	633332	3499.98	16.29	16.40	1.026	-0.14	0.117	0.120
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	Index 3	633332	3499.98	16.04	16.40	1.086	0.17	0.121	0.131
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	Index 3	633332	3499.98	16.29	16.40	1.026	0.06	0.172	0.176
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	Index 3	633332	3499.98	16.04	16.40	1.086	-0.18	0.175	0.190

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	Index 2	656000	3840	15.11	16.30	1.315	-0.14	0.159	0.209
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	Index 2	656000	3840	14.91	16.30	1.377	0.04	0.138	0.190
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	Index 2	656000	3840	15.11	16.30	1.315	0.1	0.077	0.101
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	Index 2	656000	3840	14.91	16.30	1.377	0.11	0.073	0.101
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	Index 2	656000	3840	15.11	16.30	1.315	0.08	0.666	0.876
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	Index 2	656000	3840	14.91	16.30	1.377	-0.08	0.561	0.773
	FR1 n77_Ant 5	100M	BPSK	270	0	Left Cheek	0mm	Index 2	656000	3840	14.66	16.30	1.459	0.08	0.570	0.832
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	Index 2	656000	3840	15.11	16.30	1.315	-0.14	0.204	0.268
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	Index 2	656000	3840	14.91	16.30	1.377	-0.06	0.172	0.237
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	Index 3	656000	3840	11.05	12.10	1.274	-0.15	0.063	0.080
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	Index 3	656000	3840	10.90	12.10	1.318	0.02	0.055	0.073
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	Index 3	656000	3840	11.05	12.10	1.274	0.1	0.031	0.039
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	Index 3	656000	3840	10.90	12.10	1.318	0.01	0.029	0.038
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	Index 3	656000	3840	11.05	12.10	1.274	0.05	0.265	0.337
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	Index 3	656000	3840	10.90	12.10	1.318	-0.13	0.223	0.294
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	Index 3	656000	3840	11.05	12.10	1.274	-0.19	0.081	0.103
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	Index 3	656000	3840	10.90	12.10	1.318	-0.06	0.068	0.090
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	Index 2	633332	3499.98	15.28	16.30	1.265	-0.14	0.254	0.321
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	Index 2	633332	3499.98	14.90	16.30	1.380	0.15	0.210	0.290
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	Index 2	633332	3499.98	15.28	16.30	1.265	-0.03	0.047	0.059
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	Index 2	633332	3499.98	14.90	16.30	1.380	0.01	0.037	0.051
24	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	Index 2	633332	3499.98	15.28	16.30	1.265	-0.12	0.785	0.993
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	Index 2	633332	3499.98	14.90	16.30	1.380	0.06	0.539	0.744
	FR1 n77_Ant 5	100M	BPSK	270	0	Left Cheek	0mm	Index 2	633332	3499.98	14.88	16.30	1.387	0.01	0.538	0.746
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	Index 2	633332	3499.98	15.28	16.30	1.265	-0.04	0.117	0.148
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	Index 2	633332	3499.98	14.90	16.30	1.380	0.09	0.092	0.127
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	Index 3	633332	3499.98	11.26	12.10	1.213	-0.18	0.101	0.123
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	Index 3	633332	3499.98	10.89	12.10	1.321	0.12	0.084	0.111
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	Index 3	633332	3499.98	11.26	12.10	1.213	-0.1	0.019	0.023
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	Index 3	633332	3499.98	10.89	12.10	1.321	-0.02	0.015	0.020
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	Index 3	633332	3499.98	11.26	12.10	1.213	-0.18	0.313	0.380
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	Index 3	633332	3499.98	10.89	12.10	1.321	0.02	0.215	0.284
	FR1 n77_Ant 5	100M	BPSK	270	0	Left Cheek	0mm	Index 3	633332	3499.98	10.86	12.10	1.330	-0.09	0.214	0.285
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	Index 3	633332	3499.98	11.26	12.10	1.213	-0.1	0.047	0.057
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	Index 3	633332	3499.98	10.89	12.10	1.321	0.05	0.037	0.049

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	Index 1	12	2467	12.95	14.00	1.274	98.62	1.014	0.05	0.264	0.341
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	Index 1	12	2467	12.95	14.00	1.274	98.62	1.014	-0.11	0.268	0.346
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	Index 1	12	2467	12.95	14.00	1.274	98.62	1.014	-0.09	0.663	0.856
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	Index 1	1	2412	12.85	14.00	1.303	98.62	1.014	0.02	0.496	0.655
25	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	Index 1	12	2467	12.95	14.00	1.274	98.62	1.014	-0.07	0.707	0.913
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	Index 1	1	2412	12.85	14.00	1.303	98.62	1.014	0.02	0.529	0.699
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	Index 1	12	2467	12.85	14.00	1.303	98.97	1.010	-0.09	0.352	0.463
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	Index 1	12	2467	12.85	14.00	1.303	98.97	1.010	-0.14	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	Index 1	12	2467	12.85	14.00	1.303	98.97	1.010	-0.08	0.288	0.379
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	Index 1	12	2467	12.85	14.00	1.303	98.97	1.010	0.06	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(4)	Index 1	6	2437	12.65	14.00	1.365	93.46	1.070	0.09	0.204	0.298
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(3)	Index 1	6	2437	12.85	14.00	1.303	93.46	1.070	0.09	0.194	0.271
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(4)	Index 1	6	2437	12.65	14.00	1.365	93.46	1.070	-0.01	0.220	0.321
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(3)	Index 1	6	2437	12.85	14.00	1.303	93.46	1.070	-0.01	0.075	0.105
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	Index 1	6	2437	12.65	14.00	1.365	93.46	1.070	0.09	0.473	0.691
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	Index 1	6	2437	12.85	14.00	1.303	93.46	1.070	0.09	0.113	0.158
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(4)	Index 1	6	2437	12.65	14.00	1.365	93.46	1.070	-0.04	0.572	0.835
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(3)	Index 1	6	2437	12.85	14.00	1.303	93.46	1.070	-0.04	0.017	0.024
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(4)	Index 1	1	2412	12.55	14.00	1.396	93.46	1.070	0.06	0.486	0.726
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(3)	Index 1	1	2412	12.85	14.00	1.303	93.46	1.070	0.06	0.014	0.020
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	Index 2	12	2467	14.85	16.00	1.303	98.97	1.010	0.02	0.494	0.650
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	Index 2	12	2467	14.85	16.00	1.303	98.97	1.010	0.04	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	Index 2	12	2467	14.85	16.00	1.303	98.97	1.010	0.02	0.404	0.532
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	Index 2	12	2467	14.85	16.00	1.303	98.97	1.010	0.08	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	Index 3	11	2462	10.35	10.50	1.035	98.62	1.014	0.02	0.195	0.205
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	Index 3	11	2462	10.35	10.50	1.035	98.62	1.014	-0.04	0.227	0.238
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	Index 3	11	2462	10.35	10.50	1.035	98.62	1.014	0.04	0.474	0.498
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	Index 3	11	2462	10.35	10.50	1.035	98.62	1.014	-0.03	0.478	0.502
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	Index3/4	6	2437	10.45	10.50	1.012	98.97	1.010	-0.01	0.196	0.200
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	Index3/4	6	2437	10.45	10.50	1.012	98.97	1.010	0.04	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	Index3/4	6	2437	10.45	10.50	1.012	98.97	1.010	-0.13	0.168	0.172
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	Index3/4	6	2437	10.45	10.50	1.012	98.97	1.010	0.1	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(4)	Index 3	1	2412	10.15	10.50	1.084	93.46	1.070	-0.07	0.070	0.081
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 4+3(3)	Index 3	1	2412	10.35	10.50	1.035	93.46	1.070	-0.07	0.096	0.106
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(4)	Index 3	1	2412	10.15	10.50	1.084	93.46	1.070	0.18	0.082	0.095
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 4+3(3)	Index 3	1	2412	10.35	10.50	1.035	93.46	1.070	0.18	0.020	0.022
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(4)	Index 3	1	2412	10.15	10.50	1.084	93.46	1.070	0.01	0.242	0.281
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 4+3(3)	Index 3	1	2412	10.35	10.50	1.035	93.46	1.070	0.01	0.062	0.069
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(4)	Index 3	1	2412	10.15	10.50	1.084	93.46	1.070	-0.14	0.228	0.264
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 4+3(3)	Index 3	1	2412	10.35	10.50	1.035	93.46	1.070	-0.14	0.012	0.013

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4	Index 1	52	5260	18.60	19.00	1.096	93.6	1.068	-0.13	0.310	0.363
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4	Index 1	52	5260	18.60	19.00	1.096	93.6	1.068	-0.14	0.340	0.398
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 4	Index 1	52	5260	18.60	19.00	1.096	93.6	1.068	-0.05	0.882	1.033
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 4	Index 1	56	5280	17.00	18.00	1.259	93.6	1.068	-0.1	0.582	0.783
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 4	Index 1	52	5260	18.60	19.00	1.096	93.6	1.068	-0.04	0.682	0.799
26	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	Index 1	52	5260	18.90	19.00	1.023	93.46	1.070	-0.16	0.317	0.347
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	Index 1	52	5260	18.50	19.00	1.122	93.46	1.070	-0.16	0.909	1.091
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	Index 1	56	5280	17.30	18.00	1.175	93.46	1.070	-0.1	0.240	0.302
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	Index 1	56	5280	17.90	18.00	1.023	93.46	1.070	-0.1	0.748	0.819
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(4)	Index 1	52	5260	18.90	19.00	1.023	93.46	1.070	0.01	0.339	0.371
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4+3(3)	Index 1	52	5260	18.50	19.00	1.122	93.46	1.070	0.01	0.008	0.010
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 4+3(4)	Index 1	52	5260	18.90	19.00	1.023	93.46	1.070	-0.15	0.704	0.771
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 4+3(3)	Index 1	52	5260	18.50	19.00	1.122	93.46	1.070	-0.15	0.433	0.520
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 4+3(4)	Index 1	52	5260	18.90	19.00	1.023	93.46	1.070	-0.05	0.636	0.696
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 4+3(3)	Index 1	52	5260	18.50	19.00	1.122	93.46	1.070	-0.05	0.141	0.169
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4	Index 2	56	5280	17.00	17.00	1.000	93.6	1.068	0.09	0.220	0.235
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 4	Index 2	56	5280	17.00	17.00	1.000	93.6	1.068	0.03	0.218	0.233
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 4	Index 2	56	5280	17.00	17.00	1.000	93.6	1.068	0.11	0.722	0.771
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 4	Index 2	56	5280	17.00	17.00	1.000	93.6	1.068	0.12	0.503	0.537
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4	Index 2	46	5230	16.70	17.00	1.072	87.1	1.148	-0.1	0.175	0.215
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4	Index 2	46	5230	16.70	17.00	1.072	87.1	1.148	-0.02	0.172	0.212
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4	Index 2	46	5230	16.70	17.00	1.072	87.1	1.148	-0.07	0.624	0.768
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4	Index 2	46	5230	16.70	17.00	1.072	87.1	1.148	-0.13	0.398	0.490
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 3	58	5290	12.00	12.00	1.000	87.1	1.148	0.11	0.090	0.103
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 3	58	5290	12.00	12.00	1.000	87.1	1.148	-0.15	0.083	0.095
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 3	58	5290	12.00	12.00	1.000	87.1	1.148	0.05	0.247	0.284
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 3	58	5290	12.00	12.00	1.000	87.1	1.148	0.08	0.179	0.205
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 3	58	5290	11.90	12.00	1.023	92.7	1.079	-0.01	0.036	0.040
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 3	58	5290	11.30	12.00	1.175	92.7	1.079	-0.01	0.162	0.205
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	Index 3	58	5290	11.90	12.00	1.023	92.7	1.079	-0.08	0.034	0.038
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	Index 3	58	5290	11.30	12.00	1.175	92.7	1.079	0.02	0.012	0.015
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 3	58	5290	11.90	12.00	1.023	92.7	1.079	0.1	0.139	0.153
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 3	58	5290	11.30	12.00	1.175	92.7	1.079	0.1	0.083	0.105
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	Index 3	58	5290	11.90	12.00	1.023	92.7	1.079	0.17	0.122	0.135
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	Index 3	58	5290	11.30	12.00	1.175	92.7	1.079	0.17	0.015	0.019
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4	Index 4	54	5270	12.70	13.00	1.072	87.1	1.148	0.11	0.111	0.137
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4	Index 4	54	5270	12.70	13.00	1.072	87.1	1.148	-0.15	0.103	0.127
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4	Index 4	54	5270	12.70	13.00	1.072	87.1	1.148	0.17	0.303	0.373
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4	Index 4	54	5270	12.70	13.00	1.072	87.1	1.148	0.08	0.220	0.271

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 1	122	5610	15.90	16.00	1.023	90	1.111	0.13	0.116	0.132
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 1	122	5610	15.90	16.00	1.023	90	1.111	-0.18	0.115	0.131
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 1	122	5610	15.90	16.00	1.023	90	1.111	0.03	0.577	0.656
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 1	122	5610	15.90	16.00	1.023	90	1.111	0	0.419	0.476
27	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	122	5610	15.80	16.00	1.047	89.9	1.112	-0.1	0.118	0.137
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	122	5610	15.90	16.00	1.023	89.9	1.112	-0.1	0.901	1.025
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	138	5690	15.90	16.00	1.023	89.9	1.112	0.08	0.118	0.134
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	138	5690	15.80	16.00	1.047	89.9	1.112	0.08	0.878	1.022
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	Index 1	122	5610	15.80	16.00	1.047	89.9	1.112	0.01	0.112	0.130
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	Index 1	122	5610	15.90	16.00	1.023	89.9	1.112	0.01	0.113	0.129
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 1	122	5610	15.80	16.00	1.047	89.9	1.112	0.02	0.564	0.657
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 1	122	5610	15.90	16.00	1.023	89.9	1.112	0.02	0.515	0.586
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	Index 1	122	5610	15.80	16.00	1.047	89.9	1.112	0.17	0.384	0.447
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	Index 1	122	5610	15.90	16.00	1.023	89.9	1.112	0.17	0.090	0.102
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 2	138	5690	17.50	17.50	1.000	90	1.111	-0.02	0.165	0.183
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 2	138	5690	17.50	17.50	1.000	90	1.111	0.14	0.166	0.184
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 2	138	5690	17.50	17.50	1.000	90	1.111	0.02	0.628	0.698
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 2	138	5690	17.50	17.50	1.000	90	1.111	0.19	0.431	0.479
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 3	106	5530	11.90	12.00	1.023	90	1.111	0.09	0.061	0.069
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 3	106	5530	11.90	12.00	1.023	90	1.111	0.16	0.070	0.080
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 3	106	5530	11.90	12.00	1.023	90	1.111	0.07	0.237	0.269
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 3	106	5530	11.90	12.00	1.023	90	1.111	-0.14	0.154	0.175
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 3	106	5530	11.90	12.00	1.023	89.9	1.112	0.03	0.025	0.028
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 3	106	5530	11.70	12.00	1.072	89.9	1.112	0.03	0.248	0.295
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	Index 3	106	5530	11.90	12.00	1.023	89.9	1.112	0.06	0.055	0.063
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	Index 3	106	5530	11.70	12.00	1.072	89.9	1.112	0.06	0.023	0.027
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 3	106	5530	11.90	12.00	1.023	89.9	1.112	0.01	0.179	0.204
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 3	106	5530	11.70	12.00	1.072	89.9	1.112	0.01	0.094	0.112
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	Index 3	106	5530	11.90	12.00	1.023	89.9	1.112	0.18	0.197	0.224
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	Index 3	106	5530	11.70	12.00	1.072	89.9	1.112	0.18	0.037	0.044
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 4	106	5530	12.80	13.00	1.047	90	1.111	-0.13	0.072	0.084
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 4	106	5530	12.80	13.00	1.047	90	1.111	0.05	0.062	0.072
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 4	106	5530	12.80	13.00	1.047	90	1.111	0.1	0.328	0.382
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 4	106	5530	12.80	13.00	1.047	90	1.111	-0.17	0.202	0.235

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 1	155	5775	16.90	17.00	1.023	90	1.111	0.03	0.156	0.177
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 1	155	5775	16.90	17.00	1.023	90	1.111	0.05	0.146	0.166
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 1	155	5775	16.90	17.00	1.023	90	1.111	-0.06	0.522	0.593
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 1	155	5775	16.90	17.00	1.023	90	1.111	0.08	0.366	0.416
28	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	155	5775	17.00	17.00	1.000	89.9	1.112	-0.08	0.159	0.177
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	155	5775	16.40	17.00	1.148	89.9	1.112	-0.08	0.867	1.107
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	151	5755	16.90	17.00	1.023	92.7	1.079	0.08	0.164	0.181
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	151	5755	16.50	17.00	1.122	92.7	1.079	0.08	0.763	0.924
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	Index 1	155	5775	17.00	17.00	1.000	89.9	1.112	0.13	0.133	0.148
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	Index 1	155	5775	16.40	17.00	1.148	89.9	1.112	0.13	0.107	0.137
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 1	155	5775	17.00	17.00	1.000	89.9	1.112	-0.03	0.541	0.602
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 1	155	5775	16.40	17.00	1.148	89.9	1.112	-0.03	0.846	1.080
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 1	151	5755	16.90	17.00	1.023	92.7	1.079	0.03	0.486	0.537
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 1	151	5755	16.50	17.00	1.122	92.7	1.079	0.03	0.765	0.926
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	Index 1	155	5775	17.00	17.00	1.000	89.9	1.112	-0.11	0.352	0.391
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	Index 1	155	5775	16.40	17.00	1.148	89.9	1.112	-0.11	0.092	0.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 2	155	5775	17.90	18.00	1.023	90	1.111	0.03	0.206	0.234
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 2	155	5775	17.90	18.00	1.023	90	1.111	0.08	0.192	0.218
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 2	155	5775	17.90	18.00	1.023	90	1.111	0.15	0.688	0.782
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 2	155	5775	17.90	18.00	1.023	90	1.111	-0.04	0.482	0.548
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 3	155	5775	12.00	12.00	1.000	90	1.111	-0.06	0.060	0.067
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 3	155	5775	12.00	12.00	1.000	90	1.111	-0.14	0.047	0.052
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 3	155	5775	12.00	12.00	1.000	90	1.111	0.03	0.085	0.094
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 3	155	5775	12.00	12.00	1.000	90	1.111	-0.04	0.073	0.081
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 3	155	5775	12.00	12.00	1.000	89.9	1.112	-0.14	0.016	0.018
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 3	155	5775	11.20	12.00	1.202	89.9	1.112	-0.14	0.189	0.253
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	Index 3	155	5775	12.00	12.00	1.000	89.9	1.112	0.02	0.022	0.024
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	Index 3	155	5775	11.20	12.00	1.202	89.9	1.112	0.02	0.015	0.020
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 3	155	5775	12.00	12.00	1.000	89.9	1.112	-0.17	0.062	0.069
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 3	155	5775	11.20	12.00	1.202	89.9	1.112	-0.17	0.105	0.140
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	Index 3	155	5775	12.00	12.00	1.000	89.9	1.112	0.13	0.073	0.081
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	Index 3	155	5775	11.20	12.00	1.202	89.9	1.112	0.13	0.024	0.032
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 4	155	5775	13.40	13.50	1.023	90	1.111	0.01	0.081	0.092
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 4	155	5775	13.40	13.50	1.023	90	1.111	-0.15	0.058	0.066
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 4	155	5775	13.40	13.50	1.023	90	1.111	-0.12	0.200	0.227
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 4	155	5775	13.40	13.50	1.023	90	1.111	-0.02	0.133	0.151

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4	Index 1	167	5835	17.40	17.50	1.023	87.1	1.148	0.06	0.228	0.268
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4	Index 1	167	5835	17.40	17.50	1.023	87.1	1.148	0.08	0.243	0.285
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4	Index 1	167	5835	17.40	17.50	1.023	87.1	1.148	0.02	0.781	0.917
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4	Index 1	175	5875	17.40	17.50	1.023	87.1	1.148	0.09	0.837	0.983
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4	Index 1	167	5835	17.40	17.50	1.023	87.1	1.148	0.04	0.542	0.637
29	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.03	0.224	0.253
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.03	0.878	0.992
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	175	5875	17.40	17.50	1.023	92.7	1.079	-0.03	0.278	0.307
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	175	5875	17.20	17.50	1.072	92.7	1.079	-0.03	0.777	0.898
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4+3(4)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.09	0.262	0.296
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4+3(3)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.09	0.073	0.082
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.12	0.647	0.731
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.12	0.579	0.654
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+3(4)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.03	0.503	0.568
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+3(3)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.03	0.082	0.093
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 2	171	5855	15.90	16.00	1.023	90	1.111	-0.13	0.126	0.143
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 2	171	5855	15.90	16.00	1.023	90	1.111	0.06	0.134	0.152
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 2	171	5855	15.90	16.00	1.023	90	1.111	0.12	0.424	0.482
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 2	171	5855	15.90	16.00	1.023	90	1.111	-0.14	0.245	0.279
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 3	171	5855	11.50	11.50	1.000	90	1.111	0.14	0.059	0.066
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 3	171	5855	11.50	11.50	1.000	90	1.111	0.15	0.063	0.070
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 3	171	5855	11.50	11.50	1.000	90	1.111	0.04	0.105	0.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 3	171	5855	11.50	11.50	1.000	90	1.111	0.07	0.066	0.073
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 3	171	5855	11.20	11.50	1.072	89.9	1.112	-0.09	0.022	0.026
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 3	171	5855	10.40	11.50	1.288	89.9	1.112	-0.09	0.117	0.168
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(4)	Index 3	171	5855	11.20	11.50	1.072	89.9	1.112	0.1	0.025	0.030
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+3(3)	Index 3	171	5855	10.40	11.50	1.288	89.9	1.112	0.1	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 3	171	5855	11.20	11.50	1.072	89.9	1.112	0.15	0.085	0.101
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 3	171	5855	10.40	11.50	1.288	89.9	1.112	0.15	0.069	0.099
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(4)	Index 3	171	5855	11.20	11.50	1.072	89.9	1.112	-0.04	0.070	0.083
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+3(3)	Index 3	171	5855	10.40	11.50	1.288	89.9	1.112	-0.04	0.021	0.030
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	Index 4	171	5855	12.70	13.00	1.072	90	1.111	0.11	0.062	0.074
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	Index 4	171	5855	12.70	13.00	1.072	90	1.111	0.15	0.083	0.099
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	Index 4	171	5855	12.70	13.00	1.072	90	1.111	0.1	0.206	0.245
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	Index 4	171	5855	12.70	13.00	1.072	90	1.111	0.09	0.132	0.157

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4	Index 1/2	167	6785	14.40	15.00	1.148	88.2	1.134	-0.12	0.113	0.147	0.706	0.919
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4	Index 1/2	167	6785	14.40	15.00	1.148	88.2	1.134	0.08	0.102	0.133	0.609	0.793
30	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 1/2	167	6785	14.40	15.00	1.148	88.2	1.134	0.14	0.419	0.546	2.36	3.073
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 1/2	7	5985	13.30	14.00	1.175	88.2	1.134	-0.16	0.351	0.468	2.26	3.011
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 1/2	71	6305	13.50	14.00	1.122	88.2	1.134	-0.13	0.241	0.307	1.42	1.807
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 1/2	119	6545	13.80	14.00	1.047	88.2	1.134	0.09	0.307	0.365	1.81	2.149
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 1/2	215	7025	14.10	14.50	1.096	88.2	1.134	-0.15	0.363	0.451	1.88	2.338
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4	Index 1/2	167	6785	14.40	15.00	1.148	88.2	1.134	0.07	0.285	0.371	1.76	2.292
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	167	6785	14.50	15.00	1.122	91.15	1.097	-0.08	0.142	0.175	0.848	1.044
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	167	6785	14.10	15.00	1.230	91.15	1.097	-0.08	0.401	0.541	1.82	2.456
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	7	5985	13.50	14.00	1.122	91.15	1.097	-0.06	0.081	0.100	0.548	0.675
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	7	5985	12.70	14.00	1.349	91.15	1.097	-0.06	0.320	0.474	1.72	2.545
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	71	6305	13.50	14.00	1.122	91.15	1.097	-0.02	0.077	0.095	0.498	0.613
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	71	6305	13.20	14.00	1.202	91.15	1.097	-0.02	0.370	0.488	2.03	2.677
31	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	119	6545	13.70	14.00	1.072	91.15	1.097	-0.06	0.081	0.095	0.511	0.601
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	119	6545	13.60	14.00	1.096	91.15	1.097	-0.06	0.471	0.567	2.25	2.706
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	215	7025	14.00	14.50	1.122	91.15	1.097	0.18	0.133	0.164	0.8	0.985
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	215	7025	14.10	14.50	1.096	91.15	1.097	0.18	0.426	0.512	2.07	2.490
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(4)	Index 1	167	6785	14.50	15.00	1.122	91.15	1.097	0.04	0.093	0.114	0.597	0.735
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(3)	Index 1	167	6785	14.10	15.00	1.230	91.15	1.097	0.04	0.011	0.015	0.021	0.028
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 1	167	6785	14.50	15.00	1.122	91.15	1.097	0.06	0.418	0.514	2.32	2.856
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 1	167	6785	14.10	15.00	1.230	91.15	1.097	0.06	0.203	0.274	1.16	1.566
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(4)	Index 1	167	6785	14.50	15.00	1.122	91.15	1.097	-0.17	0.225	0.277	1.35	1.662
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(3)	Index 1	167	6785	14.10	15.00	1.230	91.15	1.097	-0.17	0.017	0.023	0.083	0.112
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4	Index 3	7	5985	11.80	12.00	1.047	88.2	1.134	-0.15	0.072	0.085	0.539	0.640
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4	Index 3	7	5985	11.80	12.00	1.047	88.2	1.134	0.09	0.076	0.090	0.562	0.667
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 3	7	5985	11.80	12.00	1.047	88.2	1.134	0.06	0.243	0.289	1.5	1.781
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 3	71	6305	11.80	12.00	1.047	88.2	1.134	-0.13	0.167	0.198	1.05	1.247
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 3	119	6545	9.80	10.00	1.047	88.2	1.134	0.08	0.128	0.152	0.755	0.897
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 3	167	6785	11.00	11.00	1.000	88.2	1.134	-0.15	0.217	0.246	1.29	1.463
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 3	215	7025	11.00	11.00	1.000	88.2	1.134	0.11	0.169	0.192	0.949	1.076
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4	Index 3	7	5985	11.80	12.00	1.047	88.2	1.134	0.01	0.147	0.175	0.914	1.085
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 3	7	5985	12.00	12.00	1.000	91.15	1.097	-0.1	0.051	0.056	0.31	0.340
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 3	7	5985	11.50	12.00	1.122	91.15	1.097	-0.1	0.164	0.202	0.83	1.022
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(4)	Index 3	7	5985	12.00	12.00	1.000	91.15	1.097	0.04	0.060	0.066	0.371	0.407
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4+3(3)	Index 3	7	5985	11.50	12.00	1.122	91.15	1.097	0.04	0.004	0.005	0	0.000
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 3	7	5985	12.00	12.00	1.000	91.15	1.097	0.01	0.218	0.239	1.45	1.591
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 3	7	5985	11.50	12.00	1.122	91.15	1.097	0.01	0.100	0.123	0.634	0.780
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 3	71	6305	12.00	12.00	1.000	91.15	1.097	0.02	0.201	0.220	1.230	1.349
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 3	71	6305	10.80	12.00	1.318	91.15	1.097	0.02	0.111	0.161	0.709	1.025
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 3	119	6545	10.00	10.00	1.000	91.15	1.097	-0.02	0.176	0.193	1.01	1.108
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 3	119	6545	10.00	10.00	1.000	91.15	1.097	-0.02	0.058	0.064	0.347	0.381
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 3	167	6785	11.00	11.00	1.000	91.15	1.097	-0.12	0.177	0.194	1.02	1.119
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 3	167	6785	10.00	11.00	1.259	91.15	1.097	-0.12	0.084	0.116	0.478	0.660
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(4)	Index 3	215	7025	11.00	11.00	1.000	91.15	1.097	0.02	0.132	0.145	0.734	0.805
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4+3(3)	Index 3	215	7025	11.00	11.00	1.000	91.15	1.097	0.02	0.063	0.069	0.35	0.384
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(4)	Index 3	7	5985	12.00	12.00	1.000	91.15	1.097	0.08	0.149	0.163	0.954	1.047
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4+3(3)	Index 3	7	5985	11.50	12.00	1.122	91.15	1.097	0.08	0.001	0.001	0	0.000
	WLAN6GHz	802.11ax-HE80 MCS0	Right Cheek	0mm	Ant 4	Index 4	167	6785	13.00	13.00	1.000	88.2	1.134	0.05	0.100	0.113	0.624	0.708
	WLAN6GHz	802.11ax-HE80 MCS0	Right Tilted	0mm	Ant 4	Index 4	167	6785	13.00	13.00	1.000	88.2	1.134	0.01	0.105	0.119	0.647	0.734
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 4	167	6785	13.00	13.00	1.000	88.2	1.134	-0.15	0.239	0.271	1.41	1.599
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 4	7	5985	11.80	12.00	1.047	88.2	1.134	0.06	0.243	0.289	1.5	1.781
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 4	71	6305	11.80	12.00	1.047	88.2	1.134	-0.13	0.167	0.198	1.05	1.247
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 4	119	6545	11.90	12.00	1.023	88.2	1.134	0.17	0.225	0.261	1.39	1.613
	WLAN6GHz	802.11ax-HE80 MCS0	Left Cheek	0mm	Ant 4	Index 4	215	7025	13.00	13.00	1.000	88.2	1.134	0.05	0.220	0.249	1.19	1.349
	WLAN6GHz	802.11ax-HE80 MCS0	Left Tilted	0mm	Ant 4	Index 4	167	6785	13.00	13.00	1.000	88.2	1.134	0.03	0.137	0.155	1.21	1.372

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 4	BT Index 1	39	2441	8.95	9.00	1.012	77.07	1.081	-0.09	0.081	0.089
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 4	BT Index 1	39	2441	8.95	9.00	1.012	77.07	1.081	0.02	0.086	0.094
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 4	BT Index 1	39	2441	8.95	9.00	1.012	77.07	1.081	-0.19	0.214	0.234
32	Bluetooth	1Mbps	Left Tilted	0mm	Ant 4	BT Index 1	39	2441	8.95	9.00	1.012	77.07	1.081	0.02	0.225	0.246
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 3	BT Index 1	0	2402	8.75	9.00	1.059	77.07	1.081	-0.03	0.088	0.101
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3	BT Index 1	0	2402	8.75	9.00	1.059	77.07	1.081	0.09	0.011	0.013
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	BT Index 1	0	2402	8.75	9.00	1.059	77.07	1.081	0.17	0.081	0.093
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3	BT Index 1	0	2402	8.75	9.00	1.059	77.07	1.081	0.11	0.001	0.001

15.2 Hotspot SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_Ant 0	GPRS (3 Tx slots)	Front	10mm	Index 4	251	848.8	30.00	30.60	1.148	0.02	0.477	0.548
	GSM850_Ant 0	GPRS (3 Tx slots)	Back	10mm	Index 4	251	848.8	30.00	30.60	1.148	0	0.424	0.487
33	GSM850_Ant 0	GPRS (3 Tx slots)	Left Side	10mm	Index 4	251	848.8	30.00	30.60	1.148	0	0.651	0.747
	GSM850_Ant 0	GPRS (3 Tx slots)	Right Side	10mm	Index 4	251	848.8	30.00	30.60	1.148	-0.01	0.327	0.375
	GSM850_Ant 0	GPRS (3 Tx slots)	Bottom Side	10mm	Index 4	251	848.8	30.00	30.60	1.148	0	0.353	0.405
	GSM850_Ant 1	GPRS (2 Tx slots)	Front	10mm	Index 4	128	824.2	31.92	32.50	1.143	0	0.291	0.333
	GSM850_Ant 1	GPRS (2 Tx slots)	Back	10mm	Index 4	128	824.2	31.92	32.50	1.143	-0.1	0.377	0.431
	GSM850_Ant 1	GPRS (2 Tx slots)	Left Side	10mm	Index 4	128	824.2	31.92	32.50	1.143	-0.09	0.114	0.130
	GSM850_Ant 1	GPRS (2 Tx slots)	Right Side	10mm	Index 4	128	824.2	31.92	32.50	1.143	-0.01	0.151	0.173
	GSM850_Ant 1	GPRS (2 Tx slots)	Top Side	10mm	Index 4	128	824.2	31.92	32.50	1.143	-0.01	0.185	0.211
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	Index 4	661	1880	24.60	24.60	1.000	-0.07	0.661	0.661
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	Index 4	661	1880	24.60	24.60	1.000	-0.09	0.596	0.596
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Side	10mm	Index 4	661	1880	24.60	24.60	1.000	-0.05	0.070	0.070
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Side	10mm	Index 4	661	1880	24.60	24.60	1.000	-0.02	0.588	0.588
	GSM1900_Ant 2	GPRS (4 Tx slots)	Bottom Side	10mm	Index 4	661	1880	24.60	24.60	1.000	-0.01	0.395	0.395
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	Index 4	661	1880	27.18	27.50	1.076	-0.04	0.489	0.526
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	Index 4	661	1880	27.18	27.50	1.076	0	0.530	0.571
34	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Side	10mm	Index 4	661	1880	27.18	27.50	1.076	-0.02	0.771	0.830
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Side	10mm	Index 4	512	1850.2	26.66	27.50	1.213	-0.06	0.460	0.558
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Side	10mm	Index 4	810	1909.8	26.92	27.50	1.143	0.18	0.666	0.761
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Side	10mm	Index 4	661	1880	27.18	27.50	1.076	0	0.046	0.050
	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	10mm	Index 4	661	1880	27.18	27.50	1.076	0.02	0.138	0.149

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_Ant 2	RMC 12.2Kbps	Front	10mm	Index 4	9538	1907.6	20.70	20.70	1.000	-0.11	0.678	0.678
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	Index 4	9538	1907.6	20.70	20.70	1.000	0	0.562	0.562
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Side	10mm	Index 4	9538	1907.6	20.70	20.70	1.000	0.07	0.058	0.058
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Side	10mm	Index 4	9538	1907.6	20.70	20.70	1.000	-0.03	0.575	0.575
	WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Side	10mm	Index 4	9538	1907.6	20.70	20.70	1.000	-0.01	0.424	0.424
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	Index 4	9538	1907.6	23.32	23.90	1.143	-0.03	0.393	0.449
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	Index 4	9538	1907.6	23.32	23.90	1.143	-0.04	0.420	0.480
35	WCDMA II_Ant 0	RMC 12.2Kbps	Left Side	10mm	Index 4	9538	1907.6	23.32	23.90	1.143	-0.03	0.630	0.720
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Side	10mm	Index 4	9538	1907.6	23.32	23.90	1.143	0.04	0.045	0.051
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	Index 4	9538	1907.6	23.32	23.90	1.143	-0.09	0.187	0.214
36	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	Index 4	1513	1752.6	22.70	22.70	1.000	-0.11	0.675	0.675
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	Index 4	1513	1752.6	22.70	22.70	1.000	-0.07	0.534	0.534
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Side	10mm	Index 4	1513	1752.6	22.70	22.70	1.000	-0.07	0.109	0.109
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Side	10mm	Index 4	1513	1752.6	22.70	22.70	1.000	-0.09	0.613	0.613
	WCDMA IV_Ant 2	RMC 12.2Kbps	Bottom Side	10mm	Index 4	1513	1752.6	22.70	22.70	1.000	-0.04	0.331	0.331
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	Index 4	1513	1752.6	23.80	23.80	1.000	0.01	0.441	0.441
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	Index 4	1513	1752.6	23.80	23.80	1.000	0.05	0.433	0.433
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Side	10mm	Index 4	1513	1752.6	23.80	23.80	1.000	-0.1	0.345	0.345
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Side	10mm	Index 4	1513	1752.6	23.80	23.80	1.000	-0.13	0.110	0.110
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	Index 4	1513	1752.6	23.80	23.80	1.000	-0.01	0.291	0.291
	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	Index 4	4132	826.4	24.21	25.70	1.409	-0.08	0.293	0.413
	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	Index 4	4132	826.4	24.21	25.70	1.409	-0.02	0.324	0.457
37	WCDMA V_Ant 0	RMC 12.2Kbps	Left Side	10mm	Index 4	4132	826.4	24.21	25.70	1.409	-0.02	0.382	0.538
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Side	10mm	Index 4	4132	826.4	24.21	25.70	1.409	0	0.228	0.321
	WCDMA V_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	Index 4	4132	826.4	24.21	25.70	1.409	0.03	0.171	0.241
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	Index 4	4132	826.4	23.46	25.20	1.493	0	0.163	0.243
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	Index 4	4132	826.4	23.46	25.20	1.493	0.03	0.250	0.373
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	Index 4	4132	826.4	23.46	25.20	1.493	-0.01	0.078	0.116
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Side	10mm	Index 4	4132	826.4	23.46	25.20	1.493	-0.02	0.098	0.146
	WCDMA V_Ant 1	RMC 12.2Kbps	Top Side	10mm	Index 4	4132	826.4	23.46	25.20	1.493	0.07	0.081	0.121

<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 2_Ant 1	20M	QPSK	1	0	Front	10mm	Index 4	18900	1880	24.44	25.70	1.337	-0.18	0.237	0.317
	LTE Band 2_Ant 1	20M	QPSK	50	0	Front	10mm	Index 4	18900	1880	23.48	24.70	1.324	0.15	0.208	0.275
	LTE Band 2_Ant 1	20M	QPSK	1	0	Back	10mm	Index 4	18900	1880	24.44	25.70	1.337	-0.11	0.317	0.424
	LTE Band 2_Ant 1	20M	QPSK	50	0	Back	10mm	Index 4	18900	1880	23.48	24.70	1.324	-0.08	0.258	0.342
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Side	10mm	Index 4	18900	1880	24.44	25.70	1.337	-0.13	0.104	0.139
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Side	10mm	Index 4	18900	1880	23.48	24.70	1.324	0.04	0.087	0.115
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Side	10mm	Index 4	18900	1880	24.44	25.70	1.337	-0.09	0.030	0.040
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Side	10mm	Index 4	18900	1880	23.48	24.70	1.324	0.03	0.022	0.029
38	LTE Band 2_Ant 1	20M	QPSK	1	0	Top Side	10mm	Index 4	18900	1880	24.44	25.70	1.337	-0.05	0.422	0.564
	LTE Band 2_Ant 1	20M	QPSK	50	0	Top Side	10mm	Index 4	18900	1880	23.48	24.70	1.324	0.05	0.405	0.536
	LTE Band 2_Ant 5	20M	QPSK	1	0	Front	10mm	Index 4	18900	1880	20.97	21.50	1.130	0.01	0.239	0.270
	LTE Band 2_Ant 5	20M	QPSK	50	0	Front	10mm	Index 4	18900	1880	20.93	21.50	1.140	0.02	0.225	0.257
	LTE Band 2_Ant 5	20M	QPSK	1	0	Back	10mm	Index 4	18900	1880	20.97	21.50	1.130	-0.01	0.215	0.243
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	Index 4	18900	1880	20.93	21.50	1.140	-0.02	0.209	0.238
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Side	10mm	Index 4	18900	1880	20.97	21.50	1.130	-0.11	0.015	0.017
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Side	10mm	Index 4	18900	1880	20.93	21.50	1.140	-0.08	0.011	0.013
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Side	10mm	Index 4	18900	1880	20.97	21.50	1.130	-0.14	0.442	0.499
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Side	10mm	Index 4	18900	1880	20.93	21.50	1.140	-0.11	0.420	0.479
	LTE Band 2_Ant 5	20M	QPSK	1	0	Top Side	10mm	Index 4	18900	1880	20.97	21.50	1.130	0.11	0.028	0.032
	LTE Band 2_Ant 5	20M	QPSK	50	0	Top Side	10mm	Index 4	18900	1880	20.93	21.50	1.140	0.08	0.023	0.026
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	Index 4	21100	2535	18.53	19.20	1.167	-0.07	0.277	0.323
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	Index 4	21100	2535	18.55	19.20	1.161	0.06	0.260	0.302
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	Index 4	21100	2535	18.53	19.20	1.167	0.04	0.285	0.333
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	Index 4	21100	2535	18.55	19.20	1.161	0.1	0.262	0.304
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Side	10mm	Index 4	21100	2535	18.53	19.20	1.167	-0.06	0.013	0.015
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Side	10mm	Index 4	21100	2535	18.55	19.20	1.161	-0.07	0.011	0.013
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Side	10mm	Index 4	21100	2535	18.53	19.20	1.167	0.01	0.462	0.539
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Side	10mm	Index 4	21100	2535	18.55	19.20	1.161	-0.07	0.454	0.527
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Side	10mm	Index 4	21100	2535	18.53	19.20	1.167	0.05	0.212	0.247
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Side	10mm	Index 4	21100	2535	18.55	19.20	1.161	-0.02	0.203	0.236
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	Index 4	20850	2510	20.82	21.90	1.282	-0.03	0.411	0.527
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	Index 4	20850	2510	20.95	21.90	1.245	0.06	0.326	0.406
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	Index 4	20850	2510	20.82	21.90	1.282	-0.01	0.290	0.372
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	Index 4	20850	2510	20.95	21.90	1.245	0.08	0.230	0.286
39	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	20850	2510	20.82	21.90	1.282	0	0.619	0.794
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Side	10mm	Index 4	20850	2510	20.95	21.90	1.245	0.05	0.604	0.752
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Side	10mm	Index 4	20850	2510	20.82	21.90	1.282	-0.08	0.021	0.027
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Side	10mm	Index 4	20850	2510	20.95	21.90	1.245	0.01	0.018	0.022
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	Index 4	20850	2510	20.82	21.90	1.282	-0.09	0.069	0.088
	LTE Band 7_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	Index 4	20850	2510	20.95	21.90	1.245	0.02	0.065	0.081

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	10mm	Index 4	23095	707.5	24.20	25.70	1.413	0	0.295	0.417
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	Index 4	23095	707.5	23.18	24.70	1.419	0.03	0.239	0.339
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	Index 4	23095	707.5	24.20	25.70	1.413	-0.01	0.321	0.453
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	Index 4	23095	707.5	23.18	24.70	1.419	-0.06	0.243	0.345
40	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Side	10mm	Index 4	23095	707.5	24.20	25.70	1.413	0	0.422	0.596
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Side	10mm	Index 4	23095	707.5	23.18	24.70	1.419	0.01	0.342	0.485
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Side	10mm	Index 4	23095	707.5	24.20	25.70	1.413	0.03	0.232	0.328
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Side	10mm	Index 4	23095	707.5	23.18	24.70	1.419	-0.08	0.190	0.270
	LTE Band 12_Ant 0	10M	QPSK	1	0	Bottom Side	10mm	Index 4	23095	707.5	24.20	25.70	1.413	0.02	0.100	0.141
	LTE Band 12_Ant 0	10M	QPSK	25	0	Bottom Side	10mm	Index 4	23095	707.5	23.18	24.70	1.419	0.07	0.073	0.104
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	Index 4	23095	707.5	23.77	25.30	1.422	-0.03	0.176	0.250
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	Index 4	23095	707.5	22.82	24.30	1.406	0.01	0.135	0.190
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	Index 4	23095	707.5	23.77	25.30	1.422	0.05	0.226	0.321
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	Index 4	23095	707.5	22.82	24.30	1.406	0.11	0.167	0.235
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Side	10mm	Index 4	23095	707.5	23.77	25.30	1.422	-0.02	0.203	0.289
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Side	10mm	Index 4	23095	707.5	22.82	24.30	1.406	-0.13	0.163	0.229
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Side	10mm	Index 4	23095	707.5	23.77	25.30	1.422	0.03	0.114	0.162
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Side	10mm	Index 4	23095	707.5	22.82	24.30	1.406	-0.12	0.090	0.127
	LTE Band 12_Ant 1	10M	QPSK	1	0	Top Side	10mm	Index 4	23095	707.5	23.77	25.30	1.422	0.06	0.099	0.141
	LTE Band 12_Ant 1	10M	QPSK	25	0	Top Side	10mm	Index 4	23095	707.5	22.82	24.30	1.406	0.05	0.079	0.111
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	10mm	Index 4	23230	782	24.15	24.60	1.109	-0.04	0.434	0.481
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	Index 4	23230	782	23.27	24.60	1.358	0.02	0.349	0.474
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	Index 4	23230	782	24.15	24.60	1.109	-0.02	0.409	0.454
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	Index 4	23230	782	23.27	24.60	1.358	0.07	0.332	0.451
41	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Side	10mm	Index 4	23230	782	24.15	24.60	1.109	-0.14	0.662	0.734
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Side	10mm	Index 4	23230	782	23.27	24.60	1.358	0.06	0.539	0.732
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Side	10mm	Index 4	23230	782	24.15	24.60	1.109	0.01	0.385	0.427
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Side	10mm	Index 4	23230	782	23.27	24.60	1.358	0.03	0.313	0.425
	LTE Band 13_Ant 0	10M	QPSK	1	0	Bottom Side	10mm	Index 4	23230	782	24.15	24.60	1.109	-0.01	0.180	0.200
	LTE Band 13_Ant 0	10M	QPSK	25	0	Bottom Side	10mm	Index 4	23230	782	23.27	24.60	1.358	0.05	0.144	0.196
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	Index 4	23230	782	23.85	24.50	1.161	-0.04	0.226	0.262
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	Index 4	23230	782	22.97	24.20	1.327	-0.05	0.183	0.243
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	Index 4	23230	782	23.85	24.50	1.161	-0.01	0.280	0.325
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	Index 4	23230	782	22.97	24.20	1.327	0.09	0.227	0.301
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Side	10mm	Index 4	23230	782	23.85	24.50	1.161	0	0.275	0.319
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Side	10mm	Index 4	23230	782	22.97	24.20	1.327	0.11	0.231	0.307
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Side	10mm	Index 4	23230	782	23.85	24.50	1.161	0.02	0.221	0.257
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Side	10mm	Index 4	23230	782	22.97	24.20	1.327	-0.02	0.187	0.248
	LTE Band 13_Ant 1	10M	QPSK	1	0	Top Side	10mm	Index 4	23230	782	23.85	24.50	1.161	0.03	0.125	0.145
	LTE Band 13_Ant 1	10M	QPSK	25	0	Top Side	10mm	Index 4	23230	782	22.97	24.20	1.327	-0.13	0.105	0.139

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	Index 4	23330	793	24.14	24.30	1.038	0	0.442	0.459
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	Index 4	23330	793	23.11	24.30	1.315	0.05	0.344	0.452
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	Index 4	23330	793	24.14	24.30	1.038	-0.01	0.439	0.455
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	Index 4	23330	793	23.11	24.30	1.315	0.01	0.339	0.446
42	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Side	10mm	Index 4	23330	793	24.14	24.30	1.038	0.02	0.624	0.647
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Side	10mm	Index 4	23330	793	23.11	24.30	1.315	0.05	0.490	0.644
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Side	10mm	Index 4	23330	793	24.14	24.30	1.038	0	0.422	0.438
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Side	10mm	Index 4	23330	793	23.11	24.30	1.315	0.02	0.329	0.433
	LTE Band 14_Ant 0	10M	QPSK	1	0	Bottom Side	10mm	Index 4	23330	793	24.14	24.30	1.038	-0.02	0.196	0.203
	LTE Band 14_Ant 0	10M	QPSK	25	0	Bottom Side	10mm	Index 4	23330	793	23.11	24.30	1.315	0	0.151	0.199
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	Index 4	23330	793	24.03	25.10	1.279	0	0.220	0.281
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	Index 4	23330	793	23.20	24.20	1.259	0.11	0.184	0.232
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	Index 4	23330	793	24.03	25.10	1.279	-0.04	0.276	0.353
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	Index 4	23330	793	23.20	24.20	1.259	0.07	0.228	0.287
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Side	10mm	Index 4	23330	793	24.03	25.10	1.279	-0.06	0.274	0.351
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Side	10mm	Index 4	23330	793	23.20	24.20	1.259	-0.16	0.225	0.283
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Side	10mm	Index 4	23330	793	24.03	25.10	1.279	-0.02	0.236	0.302
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Side	10mm	Index 4	23330	793	23.20	24.20	1.259	-0.05	0.197	0.248
	LTE Band 14_Ant 1	10M	QPSK	1	0	Top Side	10mm	Index 4	23330	793	24.03	25.10	1.279	-0.02	0.137	0.175
	LTE Band 14_Ant 1	10M	QPSK	25	0	Top Side	10mm	Index 4	23330	793	23.20	24.20	1.259	-0.12	0.114	0.144
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	Index 4	26340	1880	20.01	20.90	1.227	0.07	0.441	0.541
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	Index 4	26340	1880	19.70	20.90	1.318	0.06	0.404	0.533
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	Index 4	26340	1880	20.01	20.90	1.227	0.02	0.391	0.480
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	Index 4	26340	1880	19.70	20.90	1.318	-0.07	0.352	0.464
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Side	10mm	Index 4	26340	1880	20.01	20.90	1.227	0.05	0.029	0.036
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Side	10mm	Index 4	26340	1880	19.70	20.90	1.318	0.08	0.024	0.032
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Side	10mm	Index 4	26340	1880	20.01	20.90	1.227	0.05	0.363	0.446
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Side	10mm	Index 4	26340	1880	19.70	20.90	1.318	-0.04	0.330	0.435
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom Side	10mm	Index 4	26340	1880	20.01	20.90	1.227	0.07	0.263	0.323
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom Side	10mm	Index 4	26340	1880	19.70	20.90	1.318	0.05	0.237	0.312
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	Index 4	26340	1880	23.58	24.20	1.153	-0.03	0.454	0.524
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	Index 4	26340	1880	22.92	24.20	1.343	-0.08	0.358	0.481
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	Index 4	26340	1880	23.58	24.20	1.153	-0.03	0.428	0.494
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	Index 4	26340	1880	22.92	24.20	1.343	0.05	0.340	0.457
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	26340	1880	23.58	24.20	1.153	-0.04	0.702	0.810
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	26140	1860	23.30	24.20	1.230	0.11	0.580	0.714
43	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	26590	1905	23.30	24.20	1.230	-0.01	0.664	0.817
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Side	10mm	Index 4	26340	1880	22.92	24.20	1.343	0.06	0.492	0.661
	LTE Band 25_Ant 0	20M	QPSK	100	0	Left Side	10mm	Index 4	26340	1880	22.72	24.20	1.406	0.14	0.475	0.668
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Side	10mm	Index 4	26340	1880	23.58	24.20	1.153	-0.17	0.033	0.038
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Side	10mm	Index 4	26340	1880	22.92	24.20	1.343	0.06	0.026	0.035
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	Index 4	26340	1880	23.58	24.20	1.153	0.01	0.142	0.164
	LTE Band 25_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	Index 4	26340	1880	22.92	24.20	1.343	0.05	0.111	0.149

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	10mm	Index 4	26865	831.5	24.36	25.70	1.361	-0.01	0.373	0.508
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	Index 4	26865	831.5	23.37	24.70	1.358	0.03	0.305	0.414
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	Index 4	26865	831.5	24.36	25.70	1.361	-0.02	0.352	0.479
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	Index 4	26865	831.5	23.37	24.70	1.358	0	0.281	0.382
44	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Side	10mm	Index 4	26865	831.5	24.36	25.70	1.361	-0.01	0.540	0.735
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Side	10mm	Index 4	26865	831.5	23.37	24.70	1.358	0.05	0.420	0.570
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Side	10mm	Index 4	26865	831.5	24.36	25.70	1.361	-0.02	0.345	0.470
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Side	10mm	Index 4	26865	831.5	23.37	24.70	1.358	0.01	0.256	0.348
	LTE Band 26_Ant 0	15M	QPSK	1	0	Bottom Side	10mm	Index 4	26865	831.5	24.36	25.70	1.361	-0.02	0.243	0.331
	LTE Band 26_Ant 0	15M	QPSK	36	0	Bottom Side	10mm	Index 4	26865	831.5	23.37	24.70	1.358	-0.03	0.186	0.253
	LTE Band 5B_Ant 0	10M+10M	QPSK	1	0	Left Side	10mm	Index 4	20574+20475	841.4	22.61	23.70	1.285	0.12	0.329	0.423
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	Index 4	26865	831.5	24.33	25.20	1.222	0.01	0.222	0.271
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	Index 4	26865	831.5	23.25	24.20	1.245	0.12	0.181	0.225
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	Index 4	26865	831.5	24.33	25.20	1.222	0.03	0.267	0.326
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	Index 4	26865	831.5	23.25	24.20	1.245	-0.08	0.198	0.246
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Side	10mm	Index 4	26865	831.5	24.33	25.20	1.222	0.04	0.147	0.180
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Side	10mm	Index 4	26865	831.5	23.25	24.20	1.245	0.06	0.110	0.137
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Side	10mm	Index 4	26865	831.5	24.33	25.20	1.222	0.01	0.187	0.228
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Side	10mm	Index 4	26865	831.5	23.25	24.20	1.245	0.04	0.142	0.177
	LTE Band 26_Ant 1	15M	QPSK	1	0	Top Side	10mm	Index 4	26865	831.5	24.33	25.20	1.222	-0.01	0.172	0.210
	LTE Band 26_Ant 1	15M	QPSK	36	0	Top Side	10mm	Index 4	26865	831.5	23.25	24.20	1.245	-0.11	0.135	0.168
	LTE Band 5B_Ant 1	10M+10M	QPSK	1	0	Back	10mm	Index 4	20574+20475	841.4	22.91	23.20	1.069	0.11	0.213	0.228
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	Index 4	27710	2310	20.29	20.30	1.002	0.04	0.640	0.641
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	Index 4	27710	2310	20.25	20.30	1.012	0.12	0.576	0.583
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	Index 4	27710	2310	20.29	20.30	1.002	0.01	0.542	0.543
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	Index 4	27710	2310	20.25	20.30	1.012	-0.08	0.495	0.501
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Side	10mm	Index 4	27710	2310	20.29	20.30	1.002	-0.1	0.021	0.021
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Side	10mm	Index 4	27710	2310	20.25	20.30	1.012	0.04	0.012	0.012
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Side	10mm	Index 4	27710	2310	20.29	20.30	1.002	-0.03	0.643	0.644
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Side	10mm	Index 4	27710	2310	20.25	20.30	1.012	0.03	0.590	0.597
	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom Side	10mm	Index 4	27710	2310	20.29	20.30	1.002	0	0.591	0.592
	LTE Band 30_Ant 2	10M	QPSK	25	0	Bottom Side	10mm	Index 4	27710	2310	20.25	20.30	1.012	0.15	0.554	0.560
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	Index 4	27710	2310	23.57	23.70	1.030	-0.01	0.536	0.552
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	Index 4	27710	2310	21.82	22.70	1.225	0.12	0.359	0.440
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	Index 4	27710	2310	23.57	23.70	1.030	-0.02	0.350	0.361
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	Index 4	27710	2310	21.82	22.70	1.225	-0.08	0.204	0.250
45	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Side	10mm	Index 4	27710	2310	23.57	23.70	1.030	0.04	0.691	0.712
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Side	10mm	Index 4	27710	2310	21.82	22.70	1.225	0.05	0.315	0.386
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Side	10mm	Index 4	27710	2310	23.57	23.70	1.030	0.1	0.026	0.027
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Side	10mm	Index 4	27710	2310	21.82	22.70	1.225	0.15	0.019	0.023
	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Side	10mm	Index 4	27710	2310	23.57	23.70	1.030	-0.01	0.171	0.176
	LTE Band 30_Ant 0	10M	QPSK	25	0	Bottom Side	10mm	Index 4	27710	2310	21.82	22.70	1.225	-0.08	0.101	0.124

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	Index 4	40185	2549.5	20.50	20.90	1.096	62.9	1.006	0.15	0.201	0.222
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	Index 4	40185	2549.5	20.49	20.90	1.099	62.9	1.006	0.15	0.195	0.216
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 4	40185	2549.5	20.50	20.90	1.096	62.9	1.006	0.14	0.237	0.261
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	Index 4	40185	2549.5	20.49	20.90	1.099	62.9	1.006	-0.04	0.211	0.233
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Side	10mm	Index 4	40185	2549.5	20.50	20.90	1.096	62.9	1.006	-0.19	0.007	0.008
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Side	10mm	Index 4	40185	2549.5	20.49	20.90	1.099	62.9	1.006	0.15	0.005	0.006
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Side	10mm	Index 4	40185	2549.5	20.50	20.90	1.096	62.9	1.006	-0.02	0.499	0.550
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Side	10mm	Index 4	40185	2549.5	20.49	20.90	1.099	62.9	1.006	-0.07	0.420	0.464
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom Side	10mm	Index 4	40185	2549.5	20.50	20.90	1.096	62.9	1.006	-0.05	0.178	0.196
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom Side	10mm	Index 4	40185	2549.5	20.49	20.90	1.099	62.9	1.006	0.07	0.111	0.123
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Side	10mm	Index 4	40185	2549.5	22.23	22.50	1.064	42.9	1.009	-0.01	0.473	0.508
	LTE Band 41C_Ant 2	20M+20M	QPSK	1	0	Right Side	10mm	Index 4	40620+40422	2593	18.13	18.90	1.194	62.9	1.006	0.11	0.361	0.434
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	Index 4	40185	2549.5	21.89	23.30	1.384	62.9	1.006	0.03	0.306	0.426
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	Index 4	40185	2549.5	21.86	23.20	1.361	62.9	1.006	-0.05	0.300	0.411
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	Index 4	40185	2549.5	21.89	23.30	1.384	62.9	1.006	0.05	0.238	0.331
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	Index 4	40185	2549.5	21.86	23.20	1.361	62.9	1.006	0.15	0.222	0.304
46	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	40185	2549.5	21.89	23.30	1.384	62.9	1.006	0.07	0.495	0.689
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	39750	2506	21.88	23.30	1.387	62.9	1.006	-0.08	0.482	0.672
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	40620	2593	21.83	23.30	1.403	62.9	1.006	-0.11	0.406	0.573
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	41055	2636.5	21.81	23.30	1.409	62.9	1.006	-0.09	0.321	0.455
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	41490	2680	21.83	23.30	1.403	62.9	1.006	-0.08	0.306	0.432
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Side	10mm	Index 4	40185	2549.5	21.86	23.20	1.361	62.9	1.006	0.11	0.483	0.662
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Side	10mm	Index 4	39750	2506	21.82	23.20	1.374	62.9	1.006	0.08	0.472	0.652
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Side	10mm	Index 4	40620	2593	21.62	23.20	1.439	62.9	1.006	0	0.392	0.567
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Side	10mm	Index 4	41055	2636.5	21.62	23.20	1.439	62.9	1.006	-0.03	0.315	0.456
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Side	10mm	Index 4	41490	2680	21.64	23.20	1.432	62.9	1.006	-0.06	0.303	0.437
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Side	10mm	Index 4	40185	2549.5	21.89	23.30	1.384	62.9	1.006	-0.09	0.008	0.011
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Side	10mm	Index 4	40185	2549.5	21.86	23.20	1.361	62.9	1.006	0.14	0.005	0.007
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	Index 4	40185	2549.5	21.89	23.30	1.384	62.9	1.006	0.04	0.058	0.081
	LTE Band 41_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	Index 4	40185	2549.5	21.86	23.20	1.361	62.9	1.006	-0.08	0.051	0.070
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	40185	2549.5	23.59	24.90	1.352	42.9	1.009	0	0.495	0.675
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	39750	2506	23.54	24.90	1.368	42.9	1.009	0.12	0.430	0.593
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	40620	2593	23.48	24.90	1.387	42.9	1.009	-0.04	0.368	0.515
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	41055	2636.5	23.45	24.90	1.396	42.9	1.009	0.09	0.305	0.430
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	41490	2680	23.48	24.90	1.387	42.9	1.009	0.05	0.290	0.406
	LTE Band 41C_Ant 0	20M+20M	QPSK	1	0	Left Side	10mm	Index 4	40185+39987	2549.5	19.88	21.30	1.387	62.9	1.006	0.11	0.412	0.575

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Index 4	56640	3690	20.36	21.60	1.330	62.9	1.006	-0.02	0.277	0.371
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	Index 4	56640	3690	20.20	21.60	1.380	62.9	1.006	0.04	0.278	0.386
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	Index 4	56640	3690	20.36	21.60	1.330	62.9	1.006	-0.02	0.294	0.394
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	Index 4	56640	3690	20.20	21.60	1.380	62.9	1.006	0.05	0.276	0.383
47	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Side	10mm	Index 4	56640	3690	20.36	21.60	1.330	62.9	1.006	0.01	0.537	0.719
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Side	10mm	Index 4	55340	3560	20.09	21.60	1.416	62.9	1.006	0.04	0.480	0.684
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Side	10mm	Index 4	55830	3609	19.98	21.60	1.452	62.9	1.006	-0.11	0.452	0.660
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Side	10mm	Index 4	56150	3641	20.10	21.60	1.413	62.9	1.006	-0.03	0.483	0.686
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Side	10mm	Index 4	56640	3690	20.20	21.60	1.380	62.9	1.006	0.15	0.515	0.715
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Side	10mm	Index 4	55340	3560	19.96	21.60	1.459	62.9	1.006	0.07	0.460	0.675
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Side	10mm	Index 4	55830	3609	19.83	21.60	1.503	62.9	1.006	0.02	0.433	0.655
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Side	10mm	Index 4	56150	3641	19.91	21.60	1.476	62.9	1.006	-0.06	0.466	0.692
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Side	10mm	Index 4	56640	3690	20.36	21.60	1.330	62.9	1.006	0	0.001	0.001
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Side	10mm	Index 4	56640	3690	20.20	21.60	1.380	62.9	1.006	-0.08	0.001	0.001
	LTE Band 48_Ant 6	20M	QPSK	1	0	Bottom Side	10mm	Index 4	56640	3690	20.36	21.60	1.330	62.9	1.006	-0.01	0.063	0.084
	LTE Band 48_Ant 6	20M	QPSK	50	0	Bottom Side	10mm	Index 4	56640	3690	20.20	21.60	1.380	62.9	1.006	0.04	0.060	0.083
	LTE Band 48_Ant 2	20M	QPSK	1	0	Front	10mm	Index 4	56640	3690	22.61	22.90	1.069	62.9	1.006	0.05	0.255	0.274
	LTE Band 48_Ant 2	20M	QPSK	50	0	Front	10mm	Index 4	56640	3690	22.08	22.90	1.208	62.9	1.006	0.06	0.220	0.267
	LTE Band 48_Ant 2	20M	QPSK	1	0	Back	10mm	Index 4	56640	3690	22.61	22.90	1.069	62.9	1.006	0.04	0.263	0.283
	LTE Band 48_Ant 2	20M	QPSK	50	0	Back	10mm	Index 4	56640	3690	22.08	22.90	1.208	62.9	1.006	0.15	0.230	0.279
	LTE Band 48_Ant 2	20M	QPSK	1	0	Left Side	10mm	Index 4	56640	3690	22.61	22.90	1.069	62.9	1.006	-0.17	0.029	0.031
	LTE Band 48_Ant 2	20M	QPSK	50	0	Left Side	10mm	Index 4	56640	3690	22.08	22.90	1.208	62.9	1.006	-0.08	0.025	0.030
	LTE Band 48_Ant 2	20M	QPSK	1	0	Right Side	10mm	Index 4	56640	3690	22.61	22.90	1.069	62.9	1.006	-0.02	0.525	0.565
	LTE Band 48_Ant 2	20M	QPSK	50	0	Right Side	10mm	Index 4	56640	3690	22.08	22.90	1.208	62.9	1.006	0.09	0.460	0.559
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom Side	10mm	Index 4	56640	3690	22.61	22.90	1.069	62.9	1.006	0.05	0.107	0.115
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom Side	10mm	Index 4	56640	3690	22.08	22.90	1.208	62.9	1.006	0.15	0.090	0.109

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
48	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	Index 4	132572	1770	23.37	23.40	1.007	0.01	0.652	0.657
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	Index 4	132572	1770	23.35	23.40	1.012	-0.02	0.513	0.519
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	Index 4	132572	1770	23.37	23.40	1.007	0.03	0.615	0.619
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	Index 4	132572	1770	23.35	23.40	1.012	-0.05	0.505	0.511
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Side	10mm	Index 4	132572	1770	23.37	23.40	1.007	0.01	0.153	0.154
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Side	10mm	Index 4	132572	1770	23.35	23.40	1.012	0.03	0.133	0.135
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Side	10mm	Index 4	132572	1770	23.37	23.40	1.007	0	0.567	0.571
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Side	10mm	Index 4	132572	1770	23.35	23.40	1.012	0.02	0.526	0.532
	LTE Band 66_Ant 2	20M	QPSK	1	0	Bottom Side	10mm	Index 4	132572	1770	23.37	23.40	1.007	-0.02	0.362	0.365
	LTE Band 66_Ant 2	20M	QPSK	50	0	Bottom Side	10mm	Index 4	132572	1770	23.35	23.40	1.012	0.01	0.353	0.357
	LTE Band 66B_Ant 2	15M+5M	QPSK	1	0	Front	10mm	Index 4	132572+132504	1770	21.34	21.40	1.014	0.01	0.543	0.551
	LTE Band 66C_Ant 2	20M+20M	QPSK	1	0	Front	10mm	Index 4	132322+132124	1745	21.32	21.40	1.019	0.11	0.555	0.565
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	Index 4	132322	1745	22.83	23.30	1.114	-0.17	0.450	0.501
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	Index 4	132322	1745	22.77	23.30	1.130	0.03	0.366	0.414
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	Index 4	132322	1745	22.83	23.30	1.114	-0.01	0.373	0.416
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	Index 4	132322	1745	22.77	23.30	1.130	0.09	0.299	0.338
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	132322	1745	22.83	23.30	1.114	-0.05	0.297	0.331
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Side	10mm	Index 4	132322	1745	22.77	23.30	1.130	0.16	0.245	0.277
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Side	10mm	Index 4	132322	1745	22.83	23.30	1.114	-0.05	0.070	0.078
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Side	10mm	Index 4	132322	1745	22.77	23.30	1.130	0.03	0.059	0.067
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	Index 4	132322	1745	22.83	23.30	1.114	-0.05	0.289	0.322
	LTE Band 66_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	Index 4	132322	1745	22.77	23.30	1.130	0.08	0.245	0.277
	LTE Band 66B_Ant 0	15M+5M	QPSK	1	0	Front	10mm	Index 4	132322+132124	1745	20.92	21.30	1.091	0.01	0.351	0.383
	LTE Band 66C_Ant 0	20M+20M	QPSK	1	0	Front	10mm	Index 4	132322+132124	1745	20.80	21.30	1.122	-0.13	0.349	0.392
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	Index 4	132322	1745	24.81	25.70	1.227	0.01	0.231	0.284
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	Index 4	132322	1745	23.71	24.70	1.256	0.11	0.189	0.237
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	Index 4	132322	1745	24.81	25.70	1.227	-0.02	0.334	0.410
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	Index 4	132322	1745	23.71	24.70	1.256	-0.08	0.265	0.333
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	Index 4	132322	1745	24.81	25.70	1.227	-0.13	0.104	0.128
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Side	10mm	Index 4	132322	1745	23.71	24.70	1.256	0.04	0.081	0.102
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Side	10mm	Index 4	132322	1745	24.81	25.70	1.227	0.02	0.024	0.029
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Side	10mm	Index 4	132322	1745	23.71	24.70	1.256	0.06	0.018	0.023
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Side	10mm	Index 4	132322	1745	24.81	25.70	1.227	0.01	0.420	0.516
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Side	10mm	Index 4	132322	1745	23.71	24.70	1.256	-0.05	0.388	0.487
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	Index 4	132322	1745	24.41	25.20	1.199	-0.14	0.104	0.125
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	Index 4	132322	1745	23.33	24.20	1.222	0.15	0.100	0.122
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	Index 4	132322	1745	24.41	25.20	1.199	-0.13	0.112	0.134
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	Index 4	132322	1745	23.33	24.20	1.222	-0.08	0.097	0.119
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Side	10mm	Index 4	132322	1745	24.41	25.20	1.199	-0.07	0.005	0.006
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Side	10mm	Index 4	132322	1745	23.33	24.20	1.222	0.06	0.003	0.004
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Side	10mm	Index 4	132322	1745	24.41	25.20	1.199	0.01	0.192	0.230
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Side	10mm	Index 4	132322	1745	23.33	24.20	1.222	-0.11	0.131	0.160
	LTE Band 66_Ant 5	20M	QPSK	1	0	Top Side	10mm	Index 4	132322	1745	24.41	25.20	1.199	-0.13	0.014	0.017
	LTE Band 66_Ant 5	20M	QPSK	50	0	Top Side	10mm	Index 4	132322	1745	23.33	24.20	1.222	0.14	0.010	0.012

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	10mm	Index 4	133297	680.5	24.38	25.70	1.355	0.02	0.295	0.400
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	Index 4	133297	680.5	23.36	24.70	1.361	0.15	0.229	0.312
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	Index 4	133297	680.5	24.38	25.70	1.355	-0.01	0.349	0.473
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	Index 4	133297	680.5	23.36	24.70	1.361	-0.08	0.262	0.357
49	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Side	10mm	Index 4	133297	680.5	24.38	25.70	1.355	0.01	0.350	0.474
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Side	10mm	Index 4	133297	680.5	23.36	24.70	1.361	0.04	0.284	0.387
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Side	10mm	Index 4	133297	680.5	24.38	25.70	1.355	-0.02	0.155	0.210
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Side	10mm	Index 4	133297	680.5	23.36	24.70	1.361	0.02	0.130	0.177
	LTE Band 71_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	Index 4	133297	680.5	24.38	25.70	1.355	0	0.090	0.122
	LTE Band 71_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	Index 4	133297	680.5	23.36	24.70	1.361	0.09	0.073	0.099
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	Index 4	133297	680.5	23.94	25.30	1.368	-0.06	0.189	0.259
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	Index 4	133297	680.5	23.06	24.30	1.330	0.02	0.173	0.230
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	Index 4	133297	680.5	23.94	25.30	1.368	-0.02	0.210	0.287
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	Index 4	133297	680.5	23.06	24.30	1.330	0.08	0.188	0.250
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Side	10mm	Index 4	133297	680.5	23.94	25.30	1.368	-0.05	0.197	0.269
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Side	10mm	Index 4	133297	680.5	23.06	24.30	1.330	0.09	0.183	0.243
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Side	10mm	Index 4	133297	680.5	23.94	25.30	1.368	0.01	0.130	0.178
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Side	10mm	Index 4	133297	680.5	23.06	24.30	1.330	-0.02	0.100	0.133
	LTE Band 71_Ant 1	20M	QPSK	1	0	Top Side	10mm	Index 4	133297	680.5	23.94	25.30	1.368	0.01	0.094	0.129
	LTE Band 71_Ant 1	20M	QPSK	50	0	Top Side	10mm	Index 4	133297	680.5	23.06	24.30	1.330	0.03	0.088	0.117

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n2_Ant 2	20M	BPSK	1	1	Front	10mm	Index 4	376000	1880	20.20	20.20	1.000	0.11	0.458	0.458
	FR1 n2_Ant 2	20M	BPSK	50	28	Front	10mm	Index 4	376000	1880	20.13	20.20	1.016	-0.03	0.591	0.601
	FR1 n2_Ant 2	20M	BPSK	1	1	Back	10mm	Index 4	376000	1880	20.20	20.20	1.000	-0.08	0.446	0.446
	FR1 n2_Ant 2	20M	BPSK	50	28	Back	10mm	Index 4	376000	1880	20.13	20.20	1.016	-0.07	0.521	0.529
	FR1 n2_Ant 2	20M	BPSK	1	1	Left Side	10mm	Index 4	376000	1880	20.20	20.20	1.000	0.04	0.027	0.027
	FR1 n2_Ant 2	20M	BPSK	50	28	Left Side	10mm	Index 4	376000	1880	20.13	20.20	1.016	-0.12	0.037	0.038
	FR1 n2_Ant 2	20M	BPSK	1	1	Right Side	10mm	Index 4	376000	1880	20.20	20.20	1.000	-0.11	0.450	0.450
	FR1 n2_Ant 2	20M	BPSK	50	28	Right Side	10mm	Index 4	376000	1880	20.13	20.20	1.016	-0.01	0.481	0.489
	FR1 n2_Ant 2	20M	BPSK	1	1	Bottom Side	10mm	Index 4	376000	1880	20.20	20.20	1.000	0.15	0.390	0.390
	FR1 n2_Ant 2	20M	BPSK	50	28	Bottom Side	10mm	Index 4	376000	1880	20.13	20.20	1.016	-0.02	0.431	0.438
	FR1 n2_Ant 0	20M	BPSK	1	1	Front	10mm	Index 4	376000	1880	23.53	24.00	1.114	0.15	0.409	0.456
	FR1 n2_Ant 0	20M	BPSK	50	28	Front	10mm	Index 4	376000	1880	23.55	24.00	1.109	0.01	0.433	0.480
	FR1 n2_Ant 0	20M	BPSK	1	1	Back	10mm	Index 4	376000	1880	23.53	24.00	1.114	-0.15	0.425	0.474
	FR1 n2_Ant 0	20M	BPSK	50	28	Back	10mm	Index 4	376000	1880	23.55	24.00	1.109	0.01	0.443	0.491
	FR1 n2_Ant 0	20M	BPSK	1	1	Left Side	10mm	Index 4	376000	1880	23.53	24.00	1.114	0.19	0.715	0.797
	FR1 n2_Ant 0	20M	BPSK	50	28	Left Side	10mm	Index 4	376000	1880	23.55	24.00	1.109	-0.08	0.735	0.815
	FR1 n2_Ant 0	20M	BPSK	50	28	Left Side	10mm	Index 4	372000	1860	23.54	24.00	1.112	0.14	0.346	0.385
50	FR1 n2_Ant 0	20M	BPSK	50	28	Left Side	10mm	Index 4	380000	1900	23.41	24.00	1.146	-0.01	0.713	0.817
	FR1 n2_Ant 0	20M	BPSK	100	0	Left Side	10mm	Index 4	376000	1880	23.53	24.00	1.114	-0.08	0.698	0.778
	FR1 n2_Ant 0	20M	BPSK	1	1	Right Side	10mm	Index 4	376000	1880	23.53	24.00	1.114	0.06	0.080	0.089
	FR1 n2_Ant 0	20M	BPSK	50	28	Right Side	10mm	Index 4	376000	1880	23.55	24.00	1.109	-0.08	0.092	0.102
	FR1 n2_Ant 0	20M	BPSK	1	1	Bottom Side	10mm	Index 4	376000	1880	23.53	24.00	1.114	0.17	0.091	0.101
	FR1 n2_Ant 0	20M	BPSK	50	28	Bottom Side	10mm	Index 4	376000	1880	23.55	24.00	1.109	0.03	0.104	0.115
	FR1 n5_Ant 0	20M	BPSK	1	1	Front	10mm	Index 4	167300	836.5	24.26	25.50	1.330	0.07	0.354	0.471
	FR1 n5_Ant 0	20M	BPSK	50	28	Front	10mm	Index 4	167300	836.5	24.20	25.50	1.349	-0.06	0.369	0.498
	FR1 n5_Ant 0	20M	BPSK	1	1	Back	10mm	Index 4	167300	836.5	24.26	25.50	1.330	0.06	0.317	0.422
	FR1 n5_Ant 0	20M	BPSK	50	28	Back	10mm	Index 4	167300	836.5	24.20	25.50	1.349	0.01	0.352	0.475
	FR1 n5_Ant 0	20M	BPSK	1	1	Left Side	10mm	Index 4	167300	836.5	24.26	25.50	1.330	-0.03	0.494	0.657
51	FR1 n5_Ant 0	20M	BPSK	50	28	Left Side	10mm	Index 4	167300	836.5	24.20	25.50	1.349	0.01	0.496	0.669
	FR1 n5_Ant 0	20M	BPSK	1	1	Right Side	10mm	Index 4	167300	836.5	24.26	25.50	1.330	0.13	0.165	0.220
	FR1 n5_Ant 0	20M	BPSK	50	28	Right Side	10mm	Index 4	167300	836.5	24.20	25.50	1.349	-0.1	0.248	0.335
	FR1 n5_Ant 0	20M	BPSK	1	1	Bottom Side	10mm	Index 4	167300	836.5	24.26	25.50	1.330	0.07	0.290	0.386
	FR1 n5_Ant 0	20M	BPSK	50	28	Bottom Side	10mm	Index 4	167300	836.5	24.20	25.50	1.349	0	0.309	0.417
	FR1 n5_Ant 1	20M	BPSK	1	53	Front	10mm	Index 4	167300	836.5	23.87	25.20	1.358	-0.01	0.172	0.234
	FR1 n5_Ant 1	20M	BPSK	50	28	Front	10mm	Index 4	167300	836.5	23.84	25.20	1.368	0.02	0.168	0.230
	FR1 n5_Ant 1	20M	BPSK	1	53	Back	10mm	Index 4	167300	836.5	23.87	25.20	1.358	0.03	0.252	0.342
	FR1 n5_Ant 1	20M	BPSK	50	28	Back	10mm	Index 4	167300	836.5	23.84	25.20	1.368	0.09	0.235	0.321
	FR1 n5_Ant 1	20M	BPSK	1	53	Left Side	10mm	Index 4	167300	836.5	23.87	25.20	1.358	-0.01	0.097	0.132
	FR1 n5_Ant 1	20M	BPSK	50	28	Left Side	10mm	Index 4	167300	836.5	23.84	25.20	1.368	0.05	0.095	0.130
	FR1 n5_Ant 1	20M	BPSK	1	53	Right Side	10mm	Index 4	167300	836.5	23.87	25.20	1.358	0.01	0.145	0.197
	FR1 n5_Ant 1	20M	BPSK	50	28	Right Side	10mm	Index 4	167300	836.5	23.84	25.20	1.368	0.03	0.140	0.191
	FR1 n5_Ant 1	20M	BPSK	1	53	Top Side	10mm	Index 4	167300	836.5	23.87	25.20	1.358	-0.02	0.147	0.200
	FR1 n5_Ant 1	20M	BPSK	50	28	Top Side	10mm	Index 4	167300	836.5	23.84	25.20	1.368	0.03	0.142	0.194

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	Index 4	507000	2535	20.00	20.00	1.000	-0.12	0.384	0.384
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	Index 4	507000	2535	19.84	20.00	1.038	-0.11	0.344	0.357
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	Index 4	507000	2535	20.00	20.00	1.000	0	0.345	0.345
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	Index 4	507000	2535	19.84	20.00	1.038	-0.04	0.312	0.324
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Side	10mm	Index 4	507000	2535	20.00	20.00	1.000	0.03	0.017	0.017
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Side	10mm	Index 4	507000	2535	19.84	20.00	1.038	0.06	0.012	0.012
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Side	10mm	Index 4	507000	2535	20.00	20.00	1.000	-0.01	0.594	0.594
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Side	10mm	Index 4	507000	2535	19.84	20.00	1.038	0.11	0.495	0.514
	FR1 n7_Ant 2	50M	BPSK	1	1	Bottom Side	10mm	Index 4	507000	2535	20.00	20.00	1.000	-0.02	0.282	0.282
	FR1 n7_Ant 2	50M	BPSK	135	68	Bottom Side	10mm	Index 4	507000	2535	19.84	20.00	1.038	-0.04	0.260	0.270
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	Index 4	507000	2535	21.11	21.30	1.045	-0.04	0.476	0.497
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	Index 4	507000	2535	21.01	21.30	1.069	0.02	0.438	0.468
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	Index 4	507000	2535	21.11	21.30	1.045	-0.07	0.399	0.417
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	Index 4	507000	2535	21.01	21.30	1.069	0.05	0.371	0.397
52	FR1 n7_Ant 0	50M	BPSK	1	1	Left Side	10mm	Index 4	507000	2535	21.11	21.30	1.045	-0.01	0.773	0.808
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Side	10mm	Index 4	507000	2535	21.01	21.30	1.069	0.03	0.693	0.741
	FR1 n7_Ant 0	50M	BPSK	270	0	Left Side	10mm	Index 4	507000	2535	20.89	21.30	1.099	0.01	0.680	0.747
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Side	10mm	Index 4	507000	2535	21.11	21.30	1.045	0	0.027	0.028
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Side	10mm	Index 4	507000	2535	21.01	21.30	1.069	-0.02	0.020	0.021
	FR1 n7_Ant 0	50M	BPSK	1	1	Bottom Side	10mm	Index 4	507000	2535	21.11	21.30	1.045	0.06	0.098	0.102
	FR1 n7_Ant 0	50M	BPSK	135	68	Bottom Side	10mm	Index 4	507000	2535	21.01	21.30	1.069	0.04	0.094	0.100
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	10mm	Index 4	641666	3624.99	18.73	19.60	1.222	-0.09	0.323	0.395
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	Index 4	641666	3624.99	18.62	19.60	1.253	-0.04	0.310	0.388
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	Index 4	641666	3624.99	18.73	19.60	1.222	-0.05	0.302	0.369
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	Index 4	641666	3624.99	18.62	19.60	1.253	-0.02	0.290	0.363
53	FR1 n48_Ant 6	40M	BPSK	1	1	Left Side	10mm	Index 4	641666	3624.99	18.73	19.60	1.222	-0.09	0.633	0.773
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Side	10mm	Index 4	638000	3570	13.84	14.00	1.038	-0.01	0.211	0.219
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Side	10mm	Index 4	645332	3679.98	14.09	14.50	1.099	-0.06	0.235	0.258
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Side	10mm	Index 4	641666	3624.99	18.62	19.60	1.253	-0.05	0.612	0.767
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Side	10mm	Index 4	638000	3570	13.72	14.00	1.067	-0.08	0.208	0.222
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Side	10mm	Index 4	645332	3679.98	14.12	14.50	1.091	-0.07	0.235	0.256
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Side	10mm	Index 4	641666	3624.99	18.73	19.60	1.222	0.01	0.007	0.009
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Side	10mm	Index 4	641666	3624.99	18.62	19.60	1.253	0.05	0.006	0.008
	FR1 n48_Ant 6	40M	BPSK	1	1	Bottom Side	10mm	Index 4	641666	3624.99	18.73	19.60	1.222	-0.01	0.070	0.086
	FR1 n48_Ant 6	40M	BPSK	50	25	Bottom Side	10mm	Index 4	641666	3624.99	18.62	19.60	1.253	-0.03	0.068	0.085
	FR1 n48_Ant 6	20M	BPSK	1	1	Left Side	10mm	Index 4	637334	3560.01	18.70	19.60	1.230	-0.1	0.625	0.769
	FR1 n48_Ant 6	20M	BPSK	1	1	Left Side	10mm	Index 4	646000	3690	18.70	19.60	1.230	-0.02	0.622	0.765
	FR1 n48_Ant 6	20M	BPSK	25	12	Left Side	10mm	Index 4	637334	3560.01	18.59	19.60	1.262	-0.04	0.608	0.767
	FR1 n48_Ant 6	20M	BPSK	25	12	Left Side	10mm	Index 4	646000	3690	18.60	19.60	1.259	-0.01	0.610	0.768
	FR1 n48_Ant 2	40M	BPSK	1	1	Front	10mm	Index 4	641666	3624.99	20.37	20.50	1.030	-0.15	0.235	0.242
	FR1 n48_Ant 2	40M	BPSK	50	25	Front	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	-0.19	0.257	0.258
	FR1 n48_Ant 2	40M	BPSK	1	1	Back	10mm	Index 4	641666	3624.99	20.37	20.50	1.030	0.12	0.232	0.239
	FR1 n48_Ant 2	40M	BPSK	50	25	Back	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	0.13	0.257	0.258
	FR1 n48_Ant 2	40M	BPSK	1	1	Left Side	10mm	Index 4	641666	3624.99	20.37	20.50	1.030	-0.02	0.038	0.039
	FR1 n48_Ant 2	40M	BPSK	50	25	Left Side	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	-0.04	0.042	0.042
	FR1 n48_Ant 2	40M	BPSK	1	1	Right Side	10mm	Index 4	641666	3624.99	20.37	20.50	1.030	-0.05	0.475	0.489
	FR1 n48_Ant 2	40M	BPSK	50	25	Right Side	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	-0.08	0.520	0.521
	FR1 n48_Ant 2	40M	BPSK	50	25	Right Side	10mm	Index 4	638000	3570	13.52	14.00	1.117	-0.02	0.103	0.115
	FR1 n48_Ant 2	40M	BPSK	50	25	Right Side	10mm	Index 4	645332	3679.98	13.60	14.00	1.096	-0.06	0.101	0.111
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom Side	10mm	Index 4	641666	3624.99	20.37	20.50	1.030	-0.11	0.101	0.104
	FR1 n48_Ant 2	40M	BPSK	50	25	Bottom Side	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	-0.17	0.111	0.111
	FR1 n48_Ant 2	20M	BPSK	1	1	Front	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	-0.13	0.251	0.252
	FR1 n48_Ant 2	20M	BPSK	1	1	Back	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	0.08	0.250	0.251
	FR1 n48_Ant 2	20M	BPSK	1	1	Left Side	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	-0.02	0.040	0.040
	FR1 n48_Ant 2	20M	BPSK	1	1	Right Side	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	-0.06	0.500	0.501
	FR1 n48_Ant 2	20M	BPSK	1	1	Bottom Side	10mm	Index 4	641666	3624.99	20.89	20.90	1.002	-0.15	0.110	0.110

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n66_Ant 2	40M	BPSK	1	1	Front	10mm	Index 4	349000	1745	23.00	23.00	1.000	0.15	0.535	0.535
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	Index 4	349000	1745	22.90	23.00	1.023	-0.08	0.580	0.594
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	Index 4	349000	1745	23.00	23.00	1.000	-0.08	0.511	0.511
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	Index 4	349000	1745	22.90	23.00	1.023	-0.02	0.615	0.629
	FR1 n66_Ant 2	40M	BPSK	1	1	Left Side	10mm	Index 4	349000	1745	23.00	23.00	1.000	0.06	0.109	0.109
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Side	10mm	Index 4	349000	1745	22.90	23.00	1.023	0.02	0.144	0.147
	FR1 n66_Ant 2	40M	BPSK	1	1	Right Side	10mm	Index 4	349000	1745	23.00	23.00	1.000	0.14	0.499	0.499
54	FR1 n66_Ant 2	40M	BPSK	108	54	Right Side	10mm	Index 4	349000	1745	22.90	23.00	1.023	-0.02	0.666	0.682
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom Side	10mm	Index 4	349000	1745	23.00	23.00	1.000	0.09	0.299	0.299
	FR1 n66_Ant 2	40M	BPSK	108	54	Bottom Side	10mm	Index 4	349000	1745	22.90	23.00	1.023	0.01	0.313	0.320
	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	Index 4	349000	1745	22.42	23.60	1.312	0.1	0.471	0.618
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	Index 4	349000	1745	22.69	23.60	1.233	-0.02	0.441	0.544
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	Index 4	349000	1745	22.42	23.60	1.312	-0.01	0.450	0.590
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	Index 4	349000	1745	22.69	23.60	1.233	0.09	0.432	0.533
	FR1 n66_Ant 0	40M	BPSK	1	108	Left Side	10mm	Index 4	349000	1745	22.42	23.60	1.312	-0.08	0.304	0.399
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Side	10mm	Index 4	349000	1745	22.69	23.60	1.233	0.08	0.292	0.360
	FR1 n66_Ant 0	40M	BPSK	1	108	Right Side	10mm	Index 4	349000	1745	22.42	23.60	1.312	0.06	0.085	0.112
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Side	10mm	Index 4	349000	1745	22.69	23.60	1.233	0.04	0.077	0.095
	FR1 n66_Ant 0	40M	BPSK	1	108	Bottom Side	10mm	Index 4	349000	1745	22.42	23.60	1.312	0.04	0.302	0.396
	FR1 n66_Ant 0	40M	BPSK	108	54	Bottom Side	10mm	Index 4	349000	1745	22.69	23.60	1.233	0	0.297	0.366
	FR1 n71_Ant 0	20M	BPSK	1	53	Front	10mm	Index 4	136100	680.5	24.45	25.70	1.334	-0.07	0.295	0.393
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	Index 4	136100	680.5	24.35	25.70	1.365	0.01	0.285	0.389
55	FR1 n71_Ant 0	20M	BPSK	1	53	Back	10mm	Index 4	136100	680.5	24.45	25.70	1.334	-0.01	0.352	0.469
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	Index 4	136100	680.5	24.35	25.70	1.365	-0.15	0.322	0.439
	FR1 n71_Ant 0	20M	BPSK	1	53	Left Side	10mm	Index 4	136100	680.5	24.45	25.70	1.334	0	0.348	0.464
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Side	10mm	Index 4	136100	680.5	24.35	25.70	1.365	0.03	0.313	0.427
	FR1 n71_Ant 0	20M	BPSK	1	53	Right Side	10mm	Index 4	136100	680.5	24.45	25.70	1.334	-0.01	0.193	0.257
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Side	10mm	Index 4	136100	680.5	24.35	25.70	1.365	0.03	0.187	0.255
	FR1 n71_Ant 0	20M	BPSK	1	53	Bottom Side	10mm	Index 4	136100	680.5	24.45	25.70	1.334	-0.16	0.095	0.127
	FR1 n71_Ant 0	20M	BPSK	50	28	Bottom Side	10mm	Index 4	136100	680.5	24.35	25.70	1.365	0.15	0.092	0.126
	FR1 n71_Ant 1	20M	BPSK	1	53	Front	10mm	Index 4	136100	680.5	24.03	25.30	1.340	-0.01	0.182	0.244
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	Index 4	136100	680.5	23.99	25.30	1.352	0.03	0.171	0.231
	FR1 n71_Ant 1	20M	BPSK	1	53	Back	10mm	Index 4	136100	680.5	24.03	25.30	1.340	-0.05	0.206	0.276
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	Index 4	136100	680.5	23.99	25.30	1.352	0.07	0.192	0.260
	FR1 n71_Ant 1	20M	BPSK	1	53	Left Side	10mm	Index 4	136100	680.5	24.03	25.30	1.340	0.03	0.197	0.264
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Side	10mm	Index 4	136100	680.5	23.99	25.30	1.352	-0.05	0.192	0.260
	FR1 n71_Ant 1	20M	BPSK	1	53	Right Side	10mm	Index 4	136100	680.5	24.03	25.30	1.340	-0.05	0.105	0.141
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Side	10mm	Index 4	136100	680.5	23.99	25.30	1.352	0.11	0.100	0.135
	FR1 n71_Ant 1	20M	BPSK	1	53	Top Side	10mm	Index 4	136100	680.5	24.03	25.30	1.340	-0.02	0.090	0.121
	FR1 n71_Ant 1	20M	BPSK	50	28	Top Side	10mm	Index 4	136100	680.5	23.99	25.30	1.352	0.05	0.085	0.115

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	Index 4	656000	3840	17.73	18.80	1.279	0	0.278	0.356
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	Index 4	656000	3840	17.35	18.80	1.396	0.01	0.236	0.330
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	Index 4	656000	3840	17.73	18.80	1.279	-0.16	0.293	0.375
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	Index 4	656000	3840	17.35	18.80	1.396	-0.11	0.247	0.345
56	FR1 n77_Ant 6	100M	BPSK	1	1	Left Side	10mm	Index 4	656000	3840	17.73	18.80	1.279	-0.02	0.458	0.586
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Side	10mm	Index 4	656000	3840	17.35	18.80	1.396	-0.05	0.371	0.518
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Side	10mm	Index 4	656000	3840	17.73	18.80	1.279	-0.01	0.004	0.005
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Side	10mm	Index 4	656000	3840	17.35	18.80	1.396	-0.05	0.003	0.004
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Side	10mm	Index 4	656000	3840	17.73	18.80	1.279	0.13	0.063	0.081
	FR1 n77_Ant 6	100M	BPSK	135	69	Bottom Side	10mm	Index 4	656000	3840	17.35	18.80	1.396	0.11	0.057	0.080
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Side	10mm	Index 4	656000	3840	20.35	21.80	1.396	0.15	0.381	0.532
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	Index 4	633332	3499.98	17.72	18.80	1.282	-0.1	0.204	0.262
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	Index 4	633332	3499.98	17.34	18.80	1.400	0.01	0.184	0.258
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	Index 4	633332	3499.98	17.72	18.80	1.282	0.1	0.198	0.254
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	Index 4	633332	3499.98	17.34	18.80	1.400	0.07	0.178	0.249
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Side	10mm	Index 4	633332	3499.98	17.72	18.80	1.282	-0.01	0.440	0.564
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Side	10mm	Index 4	633332	3499.98	17.34	18.80	1.400	0.01	0.315	0.441
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Side	10mm	Index 4	633332	3499.98	17.72	18.80	1.282	0.19	0.004	0.005
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Side	10mm	Index 4	633332	3499.98	17.34	18.80	1.400	0.15	0.003	0.004
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Side	10mm	Index 4	633332	3499.98	17.72	18.80	1.282	-0.09	0.057	0.073
	FR1 n77_Ant 6	100M	BPSK	135	69	Bottom Side	10mm	Index 4	633332	3499.98	17.34	18.80	1.400	-0.05	0.048	0.067
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Side	10mm	Index 4	633332	3499.98	20.24	21.80	1.432	0	0.301	0.431
	FR1 n77_Ant 2	100M	BPSK	1	1	Front	10mm	Index 4	656000	3840	19.33	19.50	1.040	-0.02	0.219	0.228
	FR1 n77_Ant 2	100M	BPSK	135	69	Front	10mm	Index 4	656000	3840	18.91	19.50	1.146	-0.05	0.180	0.206
	FR1 n77_Ant 2	100M	BPSK	1	1	Back	10mm	Index 4	656000	3840	19.33	19.50	1.040	-0.05	0.197	0.205
	FR1 n77_Ant 2	100M	BPSK	135	69	Back	10mm	Index 4	656000	3840	18.91	19.50	1.146	0.01	0.155	0.178
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Side	10mm	Index 4	656000	3840	19.33	19.50	1.040	-0.07	0.019	0.020
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Side	10mm	Index 4	656000	3840	18.91	19.50	1.146	-0.03	0.012	0.014
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Side	10mm	Index 4	656000	3840	19.33	19.50	1.040	-0.05	0.442	0.460
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Side	10mm	Index 4	656000	3840	18.91	19.50	1.146	0.06	0.368	0.422
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Side	10mm	Index 4	656000	3840	19.33	19.50	1.040	-0.07	0.062	0.064
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Side	10mm	Index 4	656000	3840	18.91	19.50	1.146	0.1	0.052	0.060
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Right Side	10mm	Index 4	656000	3840	22.31	22.50	1.045	0.05	0.401	0.419
	FR1 n77_Ant 2	100M	BPSK	1	1	Front	10mm	Index 4	633332	3499.98	19.08	19.50	1.102	-0.04	0.314	0.346
	FR1 n77_Ant 2	100M	BPSK	135	69	Front	10mm	Index 4	633332	3499.98	18.72	19.50	1.197	-0.05	0.245	0.293
	FR1 n77_Ant 2	100M	BPSK	1	1	Back	10mm	Index 4	633332	3499.98	19.08	19.50	1.102	-0.1	0.371	0.409
	FR1 n77_Ant 2	100M	BPSK	135	69	Back	10mm	Index 4	633332	3499.98	18.72	19.50	1.197	0.03	0.286	0.342
	FR1 n77_Ant 2	100M	BPSK	1	1	Left Side	10mm	Index 4	633332	3499.98	19.08	19.50	1.102	0.08	0.025	0.028
	FR1 n77_Ant 2	100M	BPSK	135	69	Left Side	10mm	Index 4	633332	3499.98	18.72	19.50	1.197	-0.02	0.019	0.023
	FR1 n77_Ant 2	100M	BPSK	1	1	Right Side	10mm	Index 4	633332	3499.98	19.08	19.50	1.102	-0.02	0.530	0.584
	FR1 n77_Ant 2	100M	BPSK	135	69	Right Side	10mm	Index 4	633332	3499.98	18.72	19.50	1.197	0.1	0.477	0.571
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Side	10mm	Index 4	633332	3499.98	19.08	19.50	1.102	0.04	0.106	0.117
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Side	10mm	Index 4	633332	3499.98	18.72	19.50	1.197	-0.08	0.083	0.099
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Right Side	10mm	Index 4	633332	3499.98	22.08	22.50	1.102	0.06	0.526	0.579

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	Index 4	656000	3840	21.85	23.10	1.334	-0.12	0.234	0.312
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	Index 4	656000	3840	21.34	23.10	1.500	0.15	0.149	0.223
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	Index 4	656000	3840	21.85	23.10	1.334	-0.05	0.266	0.355
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	Index 4	656000	3840	21.34	23.10	1.500	-0.08	0.181	0.271
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Side	10mm	Index 4	656000	3840	21.85	23.10	1.334	0	0.244	0.325
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Side	10mm	Index 4	656000	3840	21.34	23.10	1.500	0.06	0.145	0.217
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Side	10mm	Index 4	656000	3840	21.85	23.10	1.334	0.06	0.002	0.003
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Side	10mm	Index 4	656000	3840	21.34	23.10	1.500	0.15	0.001	0.001
	FR1 n77_Ant 1	100M	BPSK	1	1	Top Side	10mm	Index 4	656000	3840	21.85	23.10	1.334	-0.15	0.376	0.501
	FR1 n77_Ant 1	100M	BPSK	135	69	Top Side	10mm	Index 4	656000	3840	21.34	23.10	1.500	-0.14	0.268	0.402
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	Index 4	633332	3499.98	22.15	23.10	1.245	-0.07	0.263	0.327
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	Index 4	633332	3499.98	21.92	23.10	1.312	0.15	0.243	0.319
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	Index 4	633332	3499.98	22.15	23.10	1.245	0.02	0.252	0.314
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	Index 4	633332	3499.98	21.92	23.10	1.312	-0.08	0.237	0.311
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Side	10mm	Index 4	633332	3499.98	22.15	23.10	1.245	0.04	0.146	0.182
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Side	10mm	Index 4	633332	3499.98	21.92	23.10	1.312	0.12	0.138	0.181
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Side	10mm	Index 4	633332	3499.98	22.15	23.10	1.245	-0.09	0.001	0.001
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Side	10mm	Index 4	633332	3499.98	21.92	23.10	1.312	0.16	0.001	0.001
	FR1 n77_Ant 1	100M	BPSK	1	1	Top Side	10mm	Index 4	633332	3499.98	22.15	23.10	1.245	0	0.387	0.482
	FR1 n77_Ant 1	100M	BPSK	135	69	Top Side	10mm	Index 4	633332	3499.98	21.92	23.10	1.312	-0.05	0.326	0.428
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	Index 4	656000	3840	19.24	19.70	1.112	-0.01	0.166	0.185
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	Index 4	656000	3840	19.01	19.70	1.172	0.06	0.139	0.163
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	Index 4	656000	3840	19.24	19.70	1.112	-0.1	0.194	0.216
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	Index 4	656000	3840	19.01	19.70	1.172	0.09	0.188	0.220
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Side	10mm	Index 4	656000	3840	19.24	19.70	1.112	0.02	0.002	0.002
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Side	10mm	Index 4	656000	3840	19.01	19.70	1.172	0.08	0.001	0.001
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Side	10mm	Index 4	656000	3840	19.24	19.70	1.112	0.04	0.434	0.482
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Side	10mm	Index 4	656000	3840	19.01	19.70	1.172	0.14	0.284	0.333
	FR1 n77_Ant 5	100M	BPSK	1	1	Top Side	10mm	Index 4	656000	3840	19.24	19.70	1.112	0.01	0.044	0.049
	FR1 n77_Ant 5	100M	BPSK	135	69	Top Side	10mm	Index 4	656000	3840	19.01	19.70	1.172	0.11	0.042	0.049
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	Index 4	633332	3499.98	19.38	19.70	1.076	0.14	0.235	0.253
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	Index 4	633332	3499.98	18.97	19.70	1.183	-0.08	0.164	0.194
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	Index 4	633332	3499.98	19.38	19.70	1.076	-0.11	0.280	0.301
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	Index 4	633332	3499.98	18.97	19.70	1.183	0.06	0.199	0.235
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Side	10mm	Index 4	633332	3499.98	19.38	19.70	1.076	0.05	0.001	0.001
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Side	10mm	Index 4	633332	3499.98	18.97	19.70	1.183	0.14	0.001	0.001
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Side	10mm	Index 4	633332	3499.98	19.38	19.70	1.076	-0.03	0.506	0.545
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Side	10mm	Index 4	633332	3499.98	18.97	19.70	1.183	0.14	0.434	0.513
	FR1 n77_Ant 5	100M	BPSK	1	1	Top Side	10mm	Index 4	633332	3499.98	19.38	19.70	1.076	-0.19	0.054	0.058
	FR1 n77_Ant 5	100M	BPSK	135	69	Top Side	10mm	Index 4	633332	3499.98	18.97	19.70	1.183	0.19	0.041	0.049

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	Index 7	13	2472	16.95	17.00	1.012	98.62	1.014	0.06	0.261	0.268
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	Index 7	13	2472	16.95	17.00	1.012	98.62	1.014	-0.12	0.234	0.240
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 4	Index 7	13	2472	16.95	17.00	1.012	98.62	1.014	0.08	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 4	Index 7	13	2472	16.95	17.00	1.012	98.62	1.014	-0.15	0.105	0.108
57	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	Index 7	13	2472	16.95	17.00	1.012	98.62	1.014	-0.01	0.406	0.416
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	Index 7/8	12	2467	16.95	17.00	1.012	98.97	1.010	0.08	0.191	0.195
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	Index 7/8	12	2467	16.95	17.00	1.012	98.97	1.010	-0.15	0.162	0.166
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	Index 7/8	12	2467	16.95	17.00	1.012	98.97	1.010	-0.05	0.322	0.329
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 3	Index 7/8	12	2467	16.95	17.00	1.012	98.97	1.010	0.09	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 3	Index 7/8	12	2467	16.95	17.00	1.012	98.97	1.010	-0.16	0.040	0.041
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	Index 7	1	2412	16.85	17.00	1.035	93.46	1.070	-0.07	0.138	0.153
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	Index 7	1	2412	16.75	17.00	1.059	93.46	1.070	-0.07	0.094	0.107
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	Index 7	1	2412	16.85	17.00	1.035	93.46	1.070	-0.15	0.113	0.125
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	Index 7	1	2412	16.75	17.00	1.059	93.46	1.070	-0.15	0.079	0.090
	WLAN2.4GHz	802.11g 6Mbps	Left Side	10mm	Ant 4+3(4)	Index 7	1	2412	16.85	17.00	1.035	93.46	1.070	-0.11	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Side	10mm	Ant 4+3(3)	Index 7	1	2412	16.75	17.00	1.059	93.46	1.070	-0.11	0.117	0.133
	WLAN2.4GHz	802.11g 6Mbps	Right Side	10mm	Ant 4+3(4)	Index 7	1	2412	16.85	17.00	1.035	93.46	1.070	-0.03	0.053	0.059
	WLAN2.4GHz	802.11g 6Mbps	Right Side	10mm	Ant 4+3(3)	Index 7	1	2412	16.75	17.00	1.059	93.46	1.070	-0.03	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 4+3(4)	Index 7	1	2412	16.85	17.00	1.035	93.46	1.070	-0.12	0.210	0.233
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 4+3(3)	Index 7	1	2412	16.75	17.00	1.059	93.46	1.070	-0.12	0.028	0.032

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 7/8	44	5220	18.50	19.00	1.122	93.6	1.068	0.06	0.145	0.174
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 7/8	44	5220	18.50	19.00	1.122	93.6	1.068	0.14	0.224	0.268
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4	Index 7/8	44	5220	18.50	19.00	1.122	93.6	1.068	-0.08	0.001	0.001
58	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4	Index 7/8	44	5220	18.50	19.00	1.122	93.6	1.068	-0.15	0.456	0.546
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4	Index 7/8	44	5220	18.50	19.00	1.122	93.6	1.068	0.19	0.143	0.171
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 7	44	5220	18.70	19.00	1.072	93.46	1.070	-0.17	0.110	0.126
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 7	44	5220	19.00	19.00	1.000	93.46	1.070	-0.17	0.145	0.155
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 7	44	5220	18.70	19.00	1.072	93.46	1.070	-0.04	0.160	0.183
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 7	44	5220	19.00	19.00	1.000	93.46	1.070	-0.04	0.107	0.114
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4+3(4)	Index 7	44	5220	18.70	19.00	1.072	93.46	1.070	-0.17	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4+3(3)	Index 7	44	5220	19.00	19.00	1.000	93.46	1.070	-0.17	0.235	0.251
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4+3(4)	Index 7	44	5220	18.70	19.00	1.072	93.46	1.070	-0.11	0.229	0.263
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4+3(3)	Index 7	44	5220	19.00	19.00	1.000	93.46	1.070	-0.11	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4+3(4)	Index 7	44	5220	18.70	19.00	1.072	93.46	1.070	-0.19	0.159	0.182
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4+3(3)	Index 7	44	5220	19.00	19.00	1.000	93.46	1.070	-0.19	0.028	0.030
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 9	44	5220	18.50	18.50	1.000	93.6	1.068	0.06	0.145	0.155
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 9	44	5220	18.50	18.50	1.000	93.6	1.068	0.14	0.224	0.239
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4	Index 9	44	5220	18.50	18.50	1.000	93.6	1.068	-0.08	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4	Index 9	44	5220	18.50	18.50	1.000	93.6	1.068	-0.15	0.456	0.487
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4	Index 9	44	5220	18.50	18.50	1.000	93.6	1.068	0.19	0.143	0.153
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 9	44	5220	18.30	18.50	1.047	93.46	1.070	-0.14	0.102	0.114
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 9	44	5220	18.20	18.50	1.072	93.46	1.070	-0.14	0.131	0.150
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 9	44	5220	18.30	18.50	1.047	93.46	1.070	-0.1	0.151	0.169
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 9	44	5220	18.20	18.50	1.072	93.46	1.070	-0.1	0.102	0.117
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4+3(4)	Index 9	44	5220	18.30	18.50	1.047	93.46	1.070	0.07	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4+3(3)	Index 9	44	5220	18.20	18.50	1.072	93.46	1.070	0.07	0.193	0.221
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4+3(4)	Index 9	44	5220	18.30	18.50	1.047	93.46	1.070	0.13	0.316	0.354
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4+3(3)	Index 9	44	5220	18.20	18.50	1.072	93.46	1.070	0.03	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4+3(4)	Index 9	44	5220	18.30	18.50	1.047	93.46	1.070	-0.1	0.122	0.137
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4+3(3)	Index 9	44	5220	18.20	18.50	1.072	93.46	1.070	-0.1	0.016	0.018
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 7/8	157	5785	19.10	20.00	1.230	93.6	1.068	0.01	0.161	0.212
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 7/8	157	5785	19.10	20.00	1.230	93.6	1.068	-0.06	0.257	0.338
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4	Index 7/8	157	5785	19.10	20.00	1.230	93.6	1.068	0.1	0.001	0.001
59	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4	Index 7/8	157	5785	19.10	20.00	1.230	93.6	1.068	-0.14	0.298	0.392
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4	Index 7/8	157	5785	19.10	20.00	1.230	93.6	1.068	-0.12	0.125	0.164
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 9	157	5785	18.50	18.50	1.000	93.6	1.068	0.08	0.082	0.088
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 9	157	5785	18.50	18.50	1.000	93.6	1.068	0.01	0.122	0.130
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4	Index 9	157	5785	18.50	18.50	1.000	93.6	1.068	0.03	0.048	0.051
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4	Index 9	157	5785	18.50	18.50	1.000	93.6	1.068	-0.15	0.200	0.214
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4	Index 9	157	5785	18.50	18.50	1.000	93.6	1.068	-0.08	0.058	0.062

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 7	165	5825	19.50	20.00	1.122	93.46	1.070	-0.06	0.121	0.145
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 7	165	5825	19.00	20.00	1.259	93.46	1.070	-0.06	0.203	0.273
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 7	165	5825	19.50	20.00	1.122	93.46	1.070	-0.06	0.261	0.313
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 7	165	5825	19.00	20.00	1.259	93.46	1.070	-0.06	0.172	0.232
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4+3(4)	Index 7	165	5825	19.50	20.00	1.122	93.46	1.070	-0.19	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4+3(3)	Index 7	165	5825	19.00	20.00	1.259	93.46	1.070	-0.19	0.191	0.257
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4+3(4)	Index 7	165	5825	19.50	20.00	1.122	93.46	1.070	-0.01	0.273	0.328
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4+3(3)	Index 7	165	5825	19.00	20.00	1.259	93.46	1.070	-0.01	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4+3(4)	Index 7	165	5825	19.50	20.00	1.122	93.46	1.070	-0.02	0.193	0.232
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4+3(3)	Index 7	165	5825	19.00	20.00	1.259	93.46	1.070	-0.02	0.037	0.050
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 9	165	5825	18.50	18.50	1.000	93.46	1.070	0.09	0.085	0.091
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 9	165	5825	18.30	18.50	1.047	93.46	1.070	0.09	0.152	0.170
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 9	165	5825	18.50	18.50	1.000	93.46	1.070	-0.14	0.237	0.254
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 9	165	5825	18.30	18.50	1.047	93.46	1.070	-0.14	0.141	0.158
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4+3(4)	Index 9	165	5825	18.50	18.50	1.000	93.46	1.070	-0.12	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 4+3(3)	Index 9	165	5825	18.30	18.50	1.047	93.46	1.070	-0.12	0.147	0.165
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4+3(4)	Index 9	165	5825	18.50	18.50	1.000	93.46	1.070	-0.09	0.199	0.213
	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 4+3(3)	Index 9	165	5825	18.30	18.50	1.047	93.46	1.070	-0.09	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4+3(4)	Index 9	165	5825	18.50	18.50	1.000	93.46	1.070	0.15	0.164	0.175
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 4+3(3)	Index 9	165	5825	18.30	18.50	1.047	93.46	1.070	0.15	0.001	0.001

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	10mm	Ant 4	Index 3/4	78	2480	14.85	15.00	1.035	77.07	1.081	0.03	0.149	0.167
	Bluetooth	1Mbps	Back	10mm	Ant 4	Index 3/4	78	2480	14.85	15.00	1.035	77.07	1.081	-0.15	0.150	0.168
	Bluetooth	1Mbps	Left Side	10mm	Ant 4	Index 3/4	78	2480	14.85	15.00	1.035	77.07	1.081	0.05	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 4	Index 3/4	78	2480	14.85	15.00	1.035	77.07	1.081	-0.02	0.076	0.085
60	Bluetooth	1Mbps	Top Side	10mm	Ant 4	Index 3/4	78	2480	14.85	15.00	1.035	77.07	1.081	-0.04	0.254	0.284
	Bluetooth	1Mbps	Front	10mm	Ant 3	Index 3	39	2441	19.99	20.00	1.003	77.07	1.081	0.19	0.256	0.277
	Bluetooth	1Mbps	Back	10mm	Ant 3	Index 3	39	2441	19.99	20.00	1.003	77.07	1.081	-0.15	0.206	0.223
	Bluetooth	1Mbps	Left Side	10mm	Ant 3	Index 3	39	2441	19.99	20.00	1.003	77.07	1.081	-0.12	0.257	0.279
	Bluetooth	1Mbps	Right Side	10mm	Ant 3	Index 3	39	2441	19.99	20.00	1.003	77.07	1.081	-0.06	0.006	0.007
	Bluetooth	1Mbps	Top Side	10mm	Ant 3	Index 3	39	2441	19.99	20.00	1.003	77.07	1.081	-0.03	0.031	0.034
	Bluetooth	1Mbps	Front	10mm	Ant 3	Index 4	0	2402	14.95	15.00	1.012	77.07	1.081	-0.12	0.073	0.080
	Bluetooth	1Mbps	Back	10mm	Ant 3	Index 4	0	2402	14.95	15.00	1.012	77.07	1.081	0.12	0.065	0.071
	Bluetooth	1Mbps	Left Side	10mm	Ant 3	Index 4	0	2402	14.95	15.00	1.012	77.07	1.081	-0.09	0.111	0.121
	Bluetooth	1Mbps	Right Side	10mm	Ant 3	Index 4	0	2402	14.95	15.00	1.012	77.07	1.081	0.17	0.001	0.001
	Bluetooth	1Mbps	Top Side	10mm	Ant 3	Index 4	0	2402	14.95	15.00	1.012	77.07	1.081	-0.13	0.001	0.001

15.3 Body Worn Accessory SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
61	GSM850_Ant 0	GPRS (3 Tx slots)	Front	10mm	Index 5	251	848.8	30.00	31.50	1.413	0.02	0.477	0.674
	GSM850_Ant 0	GPRS (3 Tx slots)	Back	10mm	Index 5	251	848.8	30.00	31.50	1.413	0	0.424	0.599
	GSM850_Ant 0	GPRS (3 Tx slots)	Front	10mm	Index 6	251	848.8	30.00	30.60	1.148	0.02	0.477	0.548
	GSM850_Ant 0	GPRS (3 Tx slots)	Back	10mm	Index 6	251	848.8	30.00	30.60	1.148	0	0.424	0.487
	GSM850_Ant 1	GPRS (2 Tx slots)	Front	10mm	Index 5/6	128	824.2	31.92	32.50	1.143	0	0.291	0.333
	GSM850_Ant 1	GPRS (2 Tx slots)	Back	10mm	Index 5/6	128	824.2	31.92	32.50	1.143	-0.1	0.377	0.431
62	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	Index 5	661	1880	24.60	25.40	1.202	-0.07	0.661	0.795
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	Index 5	661	1880	24.60	25.40	1.202	-0.09	0.596	0.717
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	Index 6	661	1880	24.10	24.60	1.122	-0.12	0.511	0.573
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	Index 6	661	1880	24.10	24.60	1.122	-0.05	0.500	0.561
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	Index 5/6	661	1880	27.18	27.50	1.076	-0.04	0.489	0.526
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	Index 5/6	661	1880	27.18	27.50	1.076	0	0.572	0.616

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
63	WCDMA II_Ant 2	RMC 12.2Kbps	Front	10mm	Index 5	9538	1907.6	20.70	21.50	1.202	-0.11	0.658	0.791
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	Index 5	9538	1907.6	20.70	21.50	1.202	0	0.562	0.676
	WCDMA II_Ant 2	RMC 12.2Kbps	Front	10mm	Index 6	9538	1907.6	20.41	20.70	1.069	-0.06	0.535	0.572
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	Index 6	9538	1907.6	20.41	20.70	1.069	0.04	0.501	0.536
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	Index 5	9538	1907.6	23.32	25.20	1.542	-0.03	0.393	0.606
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	Index 5	9538	1907.6	23.32	25.20	1.542	-0.04	0.420	0.648
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	Index 6	9538	1907.6	23.32	24.70	1.374	-0.03	0.393	0.540
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	Index 6	9538	1907.6	23.32	24.70	1.374	-0.04	0.420	0.577
64	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	Index 5	1513	1752.6	22.91	23.50	1.146	-0.11	0.675	0.773
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	Index 5	1513	1752.6	22.91	23.50	1.146	-0.07	0.534	0.612
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	Index 6	1513	1752.6	22.41	22.70	1.069	0.01	0.535	0.572
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	Index 6	1513	1752.6	22.41	22.70	1.069	0.07	0.476	0.509
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	Index 5	1513	1752.6	23.80	25.20	1.380	0.01	0.441	0.609
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	Index 5	1513	1752.6	23.80	25.20	1.380	0.05	0.433	0.598
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	Index 6	1513	1752.6	23.80	23.80	1.000	0.01	0.441	0.441
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	Index 6	1513	1752.6	23.80	23.80	1.000	0.05	0.433	0.433
	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	Index 5/6	4132	826.4	24.21	25.70	1.409	-0.08	0.293	0.413
65	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	Index 5/6	4132	826.4	24.21	25.70	1.409	-0.02	0.324	0.457
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	Index 5/6	4132	826.4	23.46	25.20	1.493	0	0.163	0.243
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	Index 5/6	4132	826.4	23.46	25.20	1.493	0.03	0.250	0.373

<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 2_Ant 1	20M	QPSK	1	0	Front	10mm	Index 5/6	18900	1880	24.44	25.70	1.337	-0.18	0.237	0.317
	LTE Band 2_Ant 1	20M	QPSK	50	0	Front	10mm	Index 5/6	18900	1880	23.48	24.70	1.324	0.15	0.208	0.275
	LTE Band 2_Ant 1	20M	QPSK	1	0	Back	10mm	Index 5/6	18900	1880	24.44	25.70	1.337	-0.11	0.317	0.424
	LTE Band 2_Ant 1	20M	QPSK	50	0	Back	10mm	Index 5/6	18900	1880	23.48	24.70	1.324	-0.08	0.258	0.342
66	LTE Band 2_Ant 5	20M	QPSK	1	0	Front	10mm	Index 5	18900	1880	23.48	25.20	1.486	-0.09	0.512	0.761
	LTE Band 2_Ant 5	20M	QPSK	50	0	Front	10mm	Index 5	18900	1880	23.00	24.20	1.318	-0.03	0.477	0.629
	LTE Band 2_Ant 5	20M	QPSK	1	0	Back	10mm	Index 5	18900	1880	23.48	25.20	1.486	-0.15	0.410	0.609
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	Index 5	18900	1880	23.00	24.20	1.318	-0.12	0.383	0.505
	LTE Band 2_Ant 5	20M	QPSK	1	0	Front	10mm	Index 6	18900	1880	23.48	24.40	1.236	-0.09	0.512	0.633
	LTE Band 2_Ant 5	20M	QPSK	50	0	Front	10mm	Index 6	18900	1880	23.00	24.20	1.318	-0.03	0.477	0.629
	LTE Band 2_Ant 5	20M	QPSK	1	0	Back	10mm	Index 6	18900	1880	23.48	24.40	1.236	-0.15	0.410	0.507
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	Index 6	18900	1880	23.00	24.20	1.318	-0.12	0.383	0.505
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	Index 5	21100	2535	22.91	23.60	1.172	-0.02	0.541	0.634
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	Index 5	21100	2535	22.88	23.60	1.180	0.06	0.511	0.603
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	21100	2535	22.91	23.60	1.172	-0.03	0.655	0.768
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	Index 5	21100	2535	22.88	23.60	1.180	0.04	0.620	0.732
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	Index 6	21100	2535	21.89	22.30	1.099	0	0.430	0.473
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	Index 6	21100	2535	21.82	22.30	1.117	-0.07	0.406	0.453
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	21100	2535	21.89	22.30	1.099	-0.1	0.520	0.571
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	Index 6	21100	2535	21.82	22.30	1.117	-0.1	0.492	0.549
67	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	20850	2510	23.34	23.70	1.086	0	0.715	0.777
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	Index 5	20850	2510	23.25	23.70	1.109	0.06	0.641	0.711
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	Index 5	20850	2510	23.34	23.70	1.086	-0.08	0.570	0.619
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	Index 5	20850	2510	23.25	23.70	1.109	0.01	0.544	0.603
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	Index 6	20850	2510	21.24	22.00	1.191	0.08	0.441	0.525
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	Index 6	20850	2510	21.12	22.00	1.225	0.02	0.403	0.494
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	Index 6	20850	2510	21.24	22.00	1.191	-0.04	0.351	0.418
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	Index 6	20850	2510	21.12	22.00	1.225	0.02	0.335	0.410
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	10mm	Index 5/6	23095	707.5	24.20	25.70	1.413	0	0.295	0.417
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	Index 5/6	23095	707.5	23.18	24.70	1.419	0.03	0.239	0.339
68	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	Index 5/6	23095	707.5	24.20	25.70	1.413	-0.01	0.321	0.453
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	Index 5/6	23095	707.5	23.18	24.70	1.419	-0.06	0.243	0.345
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	Index 5/6	23095	707.5	23.77	25.30	1.422	-0.03	0.176	0.250
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	Index 5/6	23095	707.5	22.82	24.30	1.406	0.01	0.135	0.190
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	Index 5/6	23095	707.5	23.77	25.30	1.422	0.05	0.226	0.321
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	Index 5/6	23095	707.5	22.82	24.30	1.406	0.11	0.167	0.235
69	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	10mm	Index 5	23230	782	24.15	25.70	1.429	-0.04	0.434	0.620
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	Index 5	23230	782	23.27	24.70	1.390	0.02	0.359	0.499
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	Index 5	23230	782	24.15	25.70	1.429	-0.02	0.409	0.584
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	Index 5	23230	782	23.27	24.70	1.390	0.07	0.342	0.475
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	10mm	Index 6	23230	782	24.15	24.60	1.109	-0.04	0.434	0.481
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	Index 6	23230	782	23.27	24.60	1.358	0.02	0.359	0.488
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	Index 6	23230	782	24.15	24.60	1.109	-0.02	0.409	0.454
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	Index 6	23230	782	23.27	24.60	1.358	0.07	0.342	0.465
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	Index 5/6	23230	782	23.85	25.20	1.365	-0.04	0.226	0.308
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	Index 5/6	23230	782	22.97	24.20	1.327	-0.05	0.183	0.243
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	Index 5/6	23230	782	23.85	25.20	1.365	-0.01	0.280	0.382
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	Index 5/6	23230	782	22.97	24.20	1.327	0.09	0.227	0.301

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
70	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	Index 5	23330	793	24.14	25.70	1.432	0	0.442	0.633
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	Index 5	23330	793	23.11	24.70	1.442	0.05	0.344	0.496
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	Index 5	23330	793	24.14	25.70	1.432	-0.01	0.439	0.629
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	Index 5	23330	793	23.11	24.70	1.442	0.01	0.339	0.489
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	Index 6	23330	793	24.14	24.60	1.112	0	0.442	0.491
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	Index 6	23330	793	23.11	24.60	1.409	0.05	0.344	0.485
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	Index 6	23330	793	24.14	24.60	1.112	-0.01	0.439	0.488
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	Index 6	23330	793	23.11	24.60	1.409	0.01	0.339	0.478
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	Index 5/6	23330	793	24.03	25.20	1.309	0	0.220	0.288
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	Index 5/6	23330	793	23.20	24.20	1.259	0.11	0.184	0.232
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	Index 5/6	23330	793	24.03	25.20	1.309	-0.04	0.276	0.361
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	Index 5/6	23330	793	23.20	24.20	1.259	0.07	0.228	0.287
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	Index 5	26340	1880	20.82	21.70	1.225	0.03	0.537	0.658
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	Index 5	26340	1880	20.55	21.70	1.303	0.01	0.496	0.646
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	26340	1880	20.82	21.70	1.225	0.1	0.470	0.576
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	Index 5	26340	1880	20.55	21.70	1.303	0.05	0.439	0.572
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	Index 6	26340	1880	20.82	20.90	1.019	0.03	0.537	0.547
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	Index 6	26340	1880	20.55	20.90	1.084	0.01	0.496	0.538
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	26340	1880	20.82	20.90	1.019	0.1	0.470	0.479
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	Index 6	26340	1880	20.55	20.90	1.084	0.05	0.439	0.476
71	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	26340	1880	23.58	25.20	1.452	-0.03	0.454	0.659
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	Index 5	26340	1880	22.92	24.20	1.343	-0.08	0.358	0.481
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	Index 5	26340	1880	23.58	25.20	1.452	-0.03	0.428	0.622
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	Index 5	26340	1880	22.92	24.20	1.343	0.05	0.340	0.457
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	Index 6	26340	1880	23.58	24.20	1.153	-0.03	0.454	0.524
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	Index 6	26340	1880	22.92	24.20	1.343	-0.08	0.358	0.481
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	Index 6	26340	1880	23.58	24.20	1.153	-0.03	0.428	0.494
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	Index 6	26340	1880	22.92	24.20	1.343	0.05	0.340	0.457
72	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	10mm	Index 5/6	26865	831.5	24.36	25.70	1.361	-0.01	0.373	0.508
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	Index 5/6	26865	831.5	23.37	24.70	1.358	0.03	0.305	0.414
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	Index 5/6	26865	831.5	24.36	25.70	1.361	-0.02	0.352	0.479
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	Index 5/6	26865	831.5	23.37	24.70	1.358	0	0.281	0.382
	LTE Band 5B_Ant 0	10M+10M	QPSK	1	0	Front	10mm	Index 5/6	20574+20475	841.4	22.61	23.70	1.285	0.03	0.245	0.315
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	Index 5/6	26865	831.5	24.33	25.20	1.222	0.01	0.222	0.271
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	Index 5/6	26865	831.5	23.25	24.20	1.245	0.12	0.181	0.225
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	Index 5/6	26865	831.5	24.33	25.20	1.222	0.03	0.267	0.326
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	Index 5/6	26865	831.5	23.25	24.20	1.245	-0.08	0.198	0.246
	LTE Band 5B_Ant 1	10M+10M	QPSK	1	0	Back	10mm	Index 5/6	20574+20475	841.4	22.91	23.20	1.069	0.09	0.213	0.228
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	Index 5	27710	2310	20.29	21.10	1.205	0.04	0.640	0.771
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	Index 5	27710	2310	20.25	21.10	1.216	0.12	0.576	0.701
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	Index 5	27710	2310	20.29	21.10	1.205	0.01	0.542	0.653
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	Index 5	27710	2310	20.25	21.10	1.216	-0.08	0.495	0.602
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	Index 6	27710	2310	19.92	20.30	1.091	-0.06	0.522	0.570
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	Index 6	27710	2310	19.88	20.30	1.102	0.02	0.513	0.565
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	Index 6	27710	2310	19.92	20.30	1.091	-0.1	0.483	0.527
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	Index 6	27710	2310	19.88	20.30	1.102	0.09	0.441	0.486
73	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	Index 5	27710	2310	23.57	25.20	1.455	-0.01	0.536	0.780
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	Index 5	27710	2310	21.82	22.70	1.225	0.12	0.359	0.440
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	Index 5	27710	2310	23.57	25.20	1.455	-0.02	0.350	0.509
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	Index 5	27710	2310	21.82	22.70	1.225	-0.08	0.204	0.250
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	Index 6	27710	2310	23.57	24.20	1.156	-0.01	0.536	0.620
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	Index 6	27710	2310	21.82	22.70	1.225	0.12	0.359	0.440
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	Index 6	27710	2310	23.57	24.20	1.156	-0.02	0.350	0.405
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	Index 6	27710	2310	21.82	22.70	1.225	-0.08	0.204	0.250

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	Index 5	40185	2549.5	23.96	25.60	1.459	62.9	1.006	-0.02	0.404	0.593
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	Index 5	40185	2549.5	22.86	23.70	1.213	62.9	1.006	0.15	0.359	0.438
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	40185	2549.5	23.96	25.60	1.459	62.9	1.006	-0.08	0.558	0.819
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	39750	2506	23.95	25.60	1.462	62.9	1.006	0.05	0.530	0.780
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	40620	2593	23.70	25.60	1.549	62.9	1.006	0.06	0.557	0.868
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	41055	2636.5	23.67	25.60	1.560	62.9	1.006	0.09	0.568	0.891
74	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	41490	2680	23.70	25.60	1.549	62.9	1.006	-0.04	0.616	0.960
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	Index 5	40185	2549.5	22.86	23.70	1.213	62.9	1.006	-0.04	0.450	0.549
	LTE Band 41_Ant 2	20M	QPSK	100	0	Back	10mm	Index 5	40185	2549.5	22.88	23.70	1.208	62.9	1.006	0.15	0.480	0.583
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	40185	2549.5	25.63	27.20	1.435	42.9	1.009	-0.11	0.533	0.772
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	39750	2506	25.62	27.20	1.439	42.9	1.009	-0.16	0.529	0.768
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	40620	2593	25.41	27.20	1.510	42.9	1.009	-0.13	0.547	0.833
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	41055	2636.5	25.40	27.20	1.514	42.9	1.009	-0.06	0.558	0.852
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	41490	2680	25.47	27.20	1.489	42.9	1.009	-0.05	0.591	0.888
	LTE Band 41C_Ant 2	20M+20M	QPSK	1	0	Back	10mm	Index 5	40185+39987	2549.5	22.12	23.60	1.406	62.9	1.006	0.02	0.420	0.594
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	Index 6	40185	2549.5	23.96	24.50	1.132	62.9	1.006	-0.02	0.404	0.460
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	Index 6	40185	2549.5	22.86	23.70	1.213	62.9	1.006	0.15	0.359	0.438
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	40185	2549.5	23.96	24.50	1.132	62.9	1.006	-0.08	0.558	0.636
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	39750	2506	23.95	24.50	1.135	62.9	1.006	0.05	0.530	0.605
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	40620	2593	23.70	24.50	1.202	62.9	1.006	0.06	0.557	0.674
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	41055	2636.5	23.67	24.50	1.211	62.9	1.006	0.09	0.568	0.692
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	41490	2680	23.70	24.50	1.202	62.9	1.006	-0.04	0.616	0.745
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	Index 6	40185	2549.5	22.86	23.70	1.213	62.9	1.006	-0.04	0.450	0.549
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	40185	2549.5	25.63	26.10	1.114	42.9	1.009	-0.11	0.533	0.599
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	39750	2506	25.62	26.10	1.117	42.9	1.009	-0.16	0.529	0.596
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	40620	2593	25.41	26.10	1.172	42.9	1.009	-0.13	0.547	0.647
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	41055	2636.5	25.40	26.10	1.175	42.9	1.009	-0.06	0.558	0.661
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	41490	2680	25.47	26.10	1.156	42.9	1.009	-0.05	0.591	0.689
	LTE Band 41C_Ant 2	20M+20M	QPSK	1	0	Back	10mm	Index 6	40185+39987	2549.5	21.59	22.50	1.233	62.9	1.006	0.11	0.397	0.492
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	40185	2549.5	24.16	25.20	1.271	62.9	1.006	-0.05	0.557	0.712
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	39750	2506	24.15	25.20	1.274	62.9	1.006	0.09	0.541	0.693
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	40620	2593	23.90	25.20	1.349	62.9	1.006	0.14	0.442	0.600
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	41055	2636.5	23.88	25.20	1.355	62.9	1.006	0.09	0.376	0.513
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	41490	2680	23.92	25.20	1.343	62.9	1.006	0.14	0.436	0.589
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	Index 5	40185	2549.5	22.20	23.20	1.259	62.9	1.006	-0.08	0.309	0.391
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	Index 5	40185	2549.5	24.16	25.20	1.271	62.9	1.006	0.04	0.418	0.534
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	Index 5	40185	2549.5	22.20	23.20	1.259	62.9	1.006	0.15	0.271	0.343
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	40185	2549.5	25.80	27.00	1.318	42.9	1.009	-0.02	0.516	0.686
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	39750	2506	25.77	27.00	1.327	42.9	1.009	0.14	0.440	0.589
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	40620	2593	25.56	27.00	1.393	42.9	1.009	-0.08	0.415	0.583
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	41055	2636.5	25.54	27.00	1.400	42.9	1.009	0.05	0.353	0.499
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	41490	2680	25.61	27.00	1.377	42.9	1.009	-0.05	0.409	0.568
	LTE Band 41C_Ant 0	20M+20M	QPSK	1	0	Front	10mm	Index 5	40185+39987	2549.5	21.55	23.20	1.462	62.9	1.006	0.11	0.306	0.450
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	Index 6	40185	2549.5	24.16	24.20	1.009	62.9	1.006	-0.05	0.557	0.566
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	Index 6	40185	2549.5	22.20	23.20	1.259	62.9	1.006	-0.08	0.309	0.391
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	Index 6	40185	2549.5	24.16	24.20	1.009	62.9	1.006	0.04	0.418	0.424
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	Index 6	40185	2549.5	22.20	23.20	1.259	62.9	1.006	0.15	0.271	0.343
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Front	10mm	Index 6	40185	2549.5	25.80	25.80	1.000	42.9	1.009	-0.02	0.516	0.521
	LTE Band 41C_Ant 0	20M+20M	QPSK	1	0	Front	10mm	Index 6	40185+39987	2549.5	21.55	22.20	1.161	62.9	1.006	0.11	0.306	0.358

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Index 5	56640	3690	24.01	24.60	1.146	62.9	1.006	0.09	0.651	0.750
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Index 5	55340	3560	23.73	24.60	1.222	62.9	1.006	0.05	0.572	0.703
75	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Index 5	55830	3609	23.86	24.60	1.186	62.9	1.006	-0.12	0.652	0.778
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Index 5	56150	3641	23.83	24.60	1.194	62.9	1.006	0.09	0.619	0.744
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	Index 5	56640	3690	21.84	23.20	1.368	62.9	1.006	-0.08	0.434	0.597
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	Index 5	56640	3690	24.01	24.60	1.146	62.9	1.006	0.02	0.568	0.655
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	Index 5	55340	3560	23.73	24.60	1.222	62.9	1.006	0.15	0.492	0.605
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	Index 5	55830	3609	23.86	24.60	1.186	62.9	1.006	-0.08	0.521	0.621
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	Index 5	56150	3641	23.83	24.60	1.194	62.9	1.006	0.05	0.518	0.622
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	Index 5	56640	3690	21.84	23.20	1.368	62.9	1.006	0.15	0.363	0.499
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Index 6	56640	3690	23.44	23.80	1.086	62.9	1.006	0.07	0.580	0.634
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Index 6	55340	3560	23.22	23.80	1.143	62.9	1.006	0.04	0.510	0.586
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Index 6	55830	3609	23.15	23.80	1.161	62.9	1.006	0	0.581	0.679
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Index 6	56150	3641	23.27	23.80	1.130	62.9	1.006	0.1	0.552	0.627
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	Index 6	56640	3690	21.83	23.20	1.371	62.9	1.006	-0.08	0.428	0.590
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	Index 6	56640	3690	23.44	23.80	1.086	62.9	1.006	0.06	0.506	0.553
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	Index 6	56640	3690	21.83	23.20	1.371	62.9	1.006	0.15	0.363	0.501
	LTE Band 48_Ant 2	20M	QPSK	1	0	Front	10mm	Index 5	56640	3690	24.29	25.70	1.384	62.9	1.006	0.08	0.345	0.480
	LTE Band 48_Ant 2	20M	QPSK	50	0	Front	10mm	Index 5	56640	3690	22.15	23.70	1.429	62.9	1.006	-0.08	0.215	0.309
	LTE Band 48_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	56640	3690	24.29	25.70	1.384	62.9	1.006	-0.04	0.393	0.547
	LTE Band 48_Ant 2	20M	QPSK	50	0	Back	10mm	Index 5	56640	3690	22.15	23.70	1.429	62.9	1.006	0.14	0.233	0.335
	LTE Band 48_Ant 2	20M	QPSK	1	0	Front	10mm	Index 6	56640	3690	24.29	25.40	1.291	62.9	1.006	0.08	0.345	0.448
	LTE Band 48_Ant 2	20M	QPSK	50	0	Front	10mm	Index 6	56640	3690	22.15	23.70	1.429	62.9	1.006	-0.08	0.215	0.309
	LTE Band 48_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	56640	3690	24.29	25.40	1.291	62.9	1.006	-0.04	0.393	0.510
	LTE Band 48_Ant 2	20M	QPSK	50	0	Back	10mm	Index 6	56640	3690	22.15	23.70	1.429	62.9	1.006	0.14	0.233	0.335

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
76	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	Index 5	132572	1770	23.37	24.20	1.211	0.01	0.652	0.789
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	Index 5	132572	1770	23.35	24.20	1.216	-0.02	0.513	0.624
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	Index 5	132572	1770	23.37	24.20	1.211	0.03	0.615	0.745
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	Index 5	132572	1770	23.35	24.20	1.216	-0.05	0.505	0.614
	LTE Band 66B_Ant 2	15M+5M	QPSK	1	0	Front	10mm	Index 5	132572+132504	1770	21.34	22.20	1.219	0.01	0.543	0.662
	LTE Band 66C_Ant 2	20M+20M	QPSK	1	0	Front	10mm	Index 5	132322+132124	1745	21.32	22.20	1.225	0.11	0.555	0.680
	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	Index 6	132572	1770	22.85	23.40	1.135	-0.12	0.505	0.573
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	Index 6	132572	1770	22.78	23.40	1.153	0.03	0.407	0.469
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	Index 6	132572	1770	22.85	23.40	1.135	-0.11	0.489	0.555
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	Index 6	132572	1770	22.78	23.40	1.153	-0.05	0.401	0.463
	LTE Band 66B_Ant 2	15M+5M	QPSK	1	0	Front	10mm	Index 6	132322+132124	1745	21.03	21.40	1.089	0.01	0.493	0.537
	LTE Band 66C_Ant 2	20M+20M	QPSK	1	0	Front	10mm	Index 6	132322+132124	1745	21.06	21.40	1.081	0.06	0.505	0.546
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5	132322	1745	23.84	25.20	1.368	-0.17	0.567	0.776
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	Index 5	132322	1745	22.79	24.20	1.384	0.03	0.461	0.638
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	Index 5	132322	1745	23.84	25.20	1.368	-0.01	0.469	0.641
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	Index 5	132322	1745	22.79	24.20	1.384	0.09	0.377	0.522
	LTE Band 66B_Ant 0	15M+5M	QPSK	1	0	Front	10mm	Index 5	132322+132229	1745	22.06	23.20	1.300	-0.1	0.464	0.603
	LTE Band 66C_Ant 0	20M+20M	QPSK	1	0	Front	10mm	Index 5	132322+132124	1745	21.91	23.20	1.346	0.08	0.443	0.596
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	Index 6	132322	1745	23.30	23.30	1.000	0.06	0.505	0.505
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	Index 6	132322	1745	22.74	23.30	1.138	0.07	0.411	0.468
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	Index 6	132322	1745	23.30	23.30	1.000	-0.03	0.418	0.418
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	Index 6	132322	1745	22.74	23.30	1.138	-0.05	0.336	0.382
	LTE Band 66B_Ant 0	15M+5M	QPSK	1	0	Front	10mm	Index 6	132322+132229	1745	21.30	21.30	1.000	0.1	0.416	0.416
	LTE Band 66C_Ant 0	20M+20M	QPSK	1	0	Front	10mm	Index 6	132322+132124	1745	21.29	21.30	1.002	0.06	0.409	0.410
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	Index 5/6	132322	1745	24.81	25.70	1.227	0.01	0.231	0.284
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	Index 5/6	132322	1745	23.71	24.70	1.256	0.11	0.189	0.237
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	Index 5/6	132322	1745	24.81	25.70	1.227	-0.02	0.334	0.410
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	Index 5/6	132322	1745	23.71	24.70	1.256	-0.08	0.265	0.333
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	Index 5/6	132322	1745	24.41	25.20	1.199	-0.14	0.104	0.125
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	Index 5/6	132322	1745	23.33	24.20	1.222	0.15	0.100	0.122
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	Index 5/6	132322	1745	24.41	25.20	1.199	-0.13	0.112	0.134
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	Index 5/6	132322	1745	23.33	24.20	1.222	-0.08	0.097	0.119
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	10mm	Index 5/6	133297	680.5	24.38	25.70	1.355	0.02	0.295	0.400
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	Index 5/6	133297	680.5	23.36	24.70	1.361	0.15	0.229	0.312
77	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	Index 5/6	133297	680.5	24.38	25.70	1.355	-0.01	0.349	0.473
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	Index 5/6	133297	680.5	23.36	24.70	1.361	-0.08	0.262	0.357
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	Index 5/6	133297	680.5	23.94	25.30	1.368	-0.06	0.189	0.259
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	Index 5/6	133297	680.5	23.06	24.30	1.330	0.02	0.173	0.230
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	Index 5/6	133297	680.5	23.94	25.30	1.368	-0.02	0.210	0.287
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	Index 5/6	133297	680.5	23.06	24.30	1.330	0.08	0.188	0.250

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n2_Ant 2	20M	BPSK	1	1	Front	10mm	Index 5	376000	1880	20.53	21.00	1.114	0.11	0.458	0.510
78	FR1 n2_Ant 2	20M	BPSK	50	28	Front	10mm	Index 5	376000	1880	20.43	21.00	1.140	-0.03	0.591	0.674
	FR1 n2_Ant 2	20M	BPSK	1	1	Back	10mm	Index 5	376000	1880	20.53	21.00	1.114	-0.08	0.446	0.497
	FR1 n2_Ant 2	20M	BPSK	50	28	Back	10mm	Index 5	376000	1880	20.43	21.00	1.140	-0.07	0.521	0.594
	FR1 n2_Ant 2	20M	BPSK	1	1	Front	10mm	Index 6	376000	1880	20.03	20.20	1.040	0.04	0.408	0.424
	FR1 n2_Ant 2	20M	BPSK	50	28	Front	10mm	Index 6	376000	1880	19.86	20.20	1.081	-0.01	0.527	0.570
	FR1 n2_Ant 2	20M	BPSK	1	1	Back	10mm	Index 6	376000	1880	20.03	20.20	1.040	0.01	0.397	0.413
	FR1 n2_Ant 2	20M	BPSK	50	28	Back	10mm	Index 6	376000	1880	19.86	20.20	1.081	0	0.464	0.502
	FR1 n2_Ant 0	20M	BPSK	1	1	Front	10mm	Index 5	376000	1880	23.53	25.20	1.469	0.15	0.409	0.601
	FR1 n2_Ant 0	20M	BPSK	50	28	Front	10mm	Index 5	376000	1880	23.55	25.20	1.462	0.01	0.433	0.633
	FR1 n2_Ant 0	20M	BPSK	1	1	Back	10mm	Index 5	376000	1880	23.53	25.20	1.469	-0.15	0.425	0.624
	FR1 n2_Ant 0	20M	BPSK	50	28	Back	10mm	Index 5	376000	1880	23.55	25.20	1.462	0.01	0.443	0.648
	FR1 n2_Ant 0	20M	BPSK	1	1	Front	10mm	Index 6	376000	1880	23.53	24.40	1.222	0.15	0.409	0.500
	FR1 n2_Ant 0	20M	BPSK	50	28	Front	10mm	Index 6	376000	1880	23.55	24.40	1.216	0.01	0.433	0.527
	FR1 n2_Ant 0	20M	BPSK	1	1	Back	10mm	Index 6	376000	1880	23.53	24.40	1.222	-0.15	0.425	0.519
	FR1 n2_Ant 0	20M	BPSK	50	28	Back	10mm	Index 6	376000	1880	23.55	24.40	1.216	0.01	0.443	0.539
	FR1 n5_Ant 0	20M	BPSK	1	1	Front	10mm	Index 5/6	167300	836.5	24.26	25.70	1.393	0.07	0.354	0.493
79	FR1 n5_Ant 0	20M	BPSK	50	28	Front	10mm	Index 5/6	167300	836.5	24.20	25.70	1.413	-0.06	0.369	0.521
	FR1 n5_Ant 0	20M	BPSK	1	1	Back	10mm	Index 5/6	167300	836.5	24.26	25.70	1.393	0.06	0.317	0.442
	FR1 n5_Ant 0	20M	BPSK	50	28	Back	10mm	Index 5/6	167300	836.5	24.20	25.70	1.413	0.01	0.352	0.497
	FR1 n5_Ant 1	20M	BPSK	1	53	Front	10mm	Index 5/6	167300	836.5	23.87	25.20	1.358	-0.01	0.172	0.234
	FR1 n5_Ant 1	20M	BPSK	50	28	Front	10mm	Index 5/6	167300	836.5	23.84	25.20	1.368	0.02	0.168	0.230
	FR1 n5_Ant 1	20M	BPSK	1	53	Back	10mm	Index 5/6	167300	836.5	23.87	25.20	1.358	0.03	0.252	0.342
	FR1 n5_Ant 1	20M	BPSK	50	28	Back	10mm	Index 5/6	167300	836.5	23.84	25.20	1.368	0.09	0.235	0.321
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	Index 5	507000	2535	23.34	23.90	1.138	-0.09	0.696	0.792
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	Index 5	507000	2535	23.12	23.90	1.197	0.11	0.623	0.746
80	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	Index 5	507000	2535	23.34	23.90	1.138	-0.13	0.734	0.835
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	Index 5	507000	2535	23.12	23.90	1.197	-0.08	0.665	0.796
	FR1 n7_Ant 2	50M	BPSK	270	0	Back	10mm	Index 5	507000	2535	23.14	23.90	1.191	-0.08	0.640	0.762
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	Index 6	507000	2535	22.79	23.00	1.050	0.07	0.543	0.570
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	Index 6	507000	2535	22.64	23.00	1.086	0.09	0.495	0.538
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	Index 6	507000	2535	22.79	23.00	1.050	0.01	0.654	0.686
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	Index 6	507000	2535	22.64	23.00	1.086	-0.02	0.593	0.644
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	Index 5	507000	2535	23.60	23.60	1.000	0.14	0.794	0.794
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	Index 5	507000	2535	23.35	23.60	1.059	0.05	0.731	0.774
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	Index 5	507000	2535	23.60	23.60	1.000	0.02	0.731	0.731
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	Index 5	507000	2535	23.35	23.60	1.059	-0.02	0.680	0.720
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	Index 6	507000	2535	21.02	21.70	1.169	0.14	0.446	0.522
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	Index 6	507000	2535	20.80	21.70	1.230	0.05	0.411	0.506
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	Index 6	507000	2535	21.02	21.70	1.169	0.02	0.411	0.481
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	Index 6	507000	2535	20.80	21.70	1.230	-0.02	0.382	0.470

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	10mm	Index 5	641666	3624.99	20.49	20.50	1.002	-0.15	0.455	0.456
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	Index 5	641666	3624.99	21.66	22.30	1.159	-0.18	0.593	0.687
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	Index 5	638000	3570	13.72	14.00	1.067	-0.03	0.102	0.109
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	Index 5	645332	3679.98	14.12	14.50	1.091	-0.08	0.114	0.124
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	Index 5	641666	3624.99	20.49	20.50	1.002	-0.01	0.542	0.543
81	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	Index 5	641666	3624.99	21.86	22.30	1.107	-0.02	0.708	0.783
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	Index 5	638000	3570	13.72	14.00	1.067	-0.05	0.121	0.129
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	Index 5	645332	3679.98	14.12	14.50	1.091	-0.07	0.136	0.148
	FR1 n48_Ant 6	20M	BPSK	1	1	Front	10mm	Index 5	641666	3624.99	21.72	22.30	1.143	-0.01	0.590	0.674
	FR1 n48_Ant 6	20M	BPSK	1	49	Front	10mm	Index 5	637334	3560.01	21.71	22.30	1.146	-0.05	0.585	0.670
	FR1 n48_Ant 6	20M	BPSK	1	1	Front	10mm	Index 5	646000	3690	21.91	22.30	1.094	-0.02	0.590	0.645
	FR1 n48_Ant 6	20M	BPSK	25	12	Front	10mm	Index 5	637334	3560.01	21.77	22.30	1.130	-0.04	0.591	0.668
	FR1 n48_Ant 6	20M	BPSK	25	12	Front	10mm	Index 5	646000	3690	21.84	22.30	1.112	-0.08	0.592	0.658
	FR1 n48_Ant 6	20M	BPSK	1	1	Back	10mm	Index 5	641666	3624.99	21.72	22.30	1.143	-0.03	0.680	0.777
	FR1 n48_Ant 6	20M	BPSK	1	49	Back	10mm	Index 5	637334	3560.01	21.71	22.30	1.146	-0.05	0.680	0.779
	FR1 n48_Ant 6	20M	BPSK	1	1	Back	10mm	Index 5	646000	3690	21.91	22.30	1.094	-0.01	0.695	0.760
	FR1 n48_Ant 6	20M	BPSK	25	12	Back	10mm	Index 5	637334	3560.01	21.77	22.30	1.130	-0.08	0.691	0.781
	FR1 n48_Ant 6	20M	BPSK	25	12	Back	10mm	Index 5	646000	3690	21.84	22.30	1.112	-0.1	0.690	0.767
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	10mm	Index 6	641666	3624.99	20.49	20.50	1.002	-0.15	0.455	0.456
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	Index 6	641666	3624.99	20.65	21.50	1.216	-0.12	0.471	0.573
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	Index 6	641666	3624.99	20.49	20.50	1.002	-0.01	0.542	0.543
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	Index 6	641666	3624.99	20.65	21.50	1.216	-0.06	0.562	0.683
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	Index 6	638000	3570	13.72	14.00	1.067	-0.05	0.121	0.129
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	Index 6	645332	3679.98	14.12	14.50	1.091	-0.07	0.136	0.148
	FR1 n48_Ant 6	40M	BPSK	100	0	Back	10mm	Index 6	641666	3624.99	19.91	20.00	1.021	-0.04	0.384	0.392
	FR1 n48_Ant 6	20M	BPSK	1	1	Front	10mm	Index 6	641666	3624.99	20.66	21.50	1.213	-0.05	0.469	0.569
	FR1 n48_Ant 6	20M	BPSK	1	1	Back	10mm	Index 6	641666	3624.99	20.66	21.50	1.213	0.07	0.556	0.675
	FR1 n48_Ant 6	20M	BPSK	1	49	Back	10mm	Index 6	637334	3560.01	20.72	21.50	1.197	0.02	0.554	0.663
	FR1 n48_Ant 6	20M	BPSK	1	1	Back	10mm	Index 6	646000	3690	20.89	21.50	1.151	0.03	0.552	0.635
	FR1 n48_Ant 6	20M	BPSK	25	12	Back	10mm	Index 6	637334	3560.01	20.72	21.50	1.197	0.03	0.549	0.657
	FR1 n48_Ant 6	20M	BPSK	25	12	Back	10mm	Index 6	646000	3690	20.71	21.50	1.199	0	0.548	0.657
	FR1 n48_Ant 2	40M	BPSK	1	1	Front	10mm	Index 5	641666	3624.99	20.37	20.50	1.030	-0.15	0.235	0.242
	FR1 n48_Ant 2	40M	BPSK	50	25	Front	10mm	Index 5	641666	3624.99	24.23	25.40	1.309	-0.18	0.539	0.706
	FR1 n48_Ant 2	40M	BPSK	50	25	Front	10mm	Index 5	638000	3570	13.52	14.00	1.117	0.03	0.055	0.061
	FR1 n48_Ant 2	40M	BPSK	50	25	Front	10mm	Index 5	645332	3679.98	13.60	14.00	1.096	-0.11	0.049	0.054
	FR1 n48_Ant 2	40M	BPSK	1	1	Back	10mm	Index 5	641666	3624.99	20.37	20.50	1.030	0.12	0.232	0.239
	FR1 n48_Ant 2	40M	BPSK	50	25	Back	10mm	Index 5	641666	3624.99	24.23	25.40	1.309	0.1	0.535	0.700
	FR1 n48_Ant 2	40M	BPSK	50	25	Back	10mm	Index 5	638000	3570	13.52	14.00	1.117	0.03	0.044	0.049
	FR1 n48_Ant 2	40M	BPSK	50	25	Back	10mm	Index 5	645332	3679.98	13.60	14.00	1.096	0.03	0.042	0.046
	FR1 n48_Ant 2	20M	BPSK	1	1	Front	10mm	Index 5	641666	3624.99	24.30	25.40	1.288	-0.1	0.503	0.648
	FR1 n48_Ant 2	20M	BPSK	1	49	Front	10mm	Index 5	637334	3560.01	23.92	25.40	1.406	-0.11	0.486	0.683
	FR1 n48_Ant 2	20M	BPSK	1	1	Front	10mm	Index 5	646000	3690	24.06	25.40	1.361	-0.07	0.489	0.666
	FR1 n48_Ant 2	20M	BPSK	25	12	Front	10mm	Index 5	637334	3560.01	24.07	25.40	1.358	-0.07	0.499	0.678
	FR1 n48_Ant 2	20M	BPSK	25	12	Front	10mm	Index 5	646000	3690	24.07	25.40	1.358	-0.14	0.489	0.664
	FR1 n48_Ant 2	20M	BPSK	1	1	Back	10mm	Index 5	641666	3624.99	24.30	25.40	1.288	-0.13	0.503	0.648
	FR1 n48_Ant 2	20M	BPSK	1	49	Front	10mm	Index 5	637334	3560.01	23.92	25.40	1.406	-0.05	0.492	0.692
	FR1 n48_Ant 2	20M	BPSK	1	1	Front	10mm	Index 5	646000	3690	24.06	25.40	1.361	-0.11	0.497	0.677
	FR1 n48_Ant 2	20M	BPSK	25	12	Back	10mm	Index 5	637334	3560.01	24.07	25.40	1.358	-0.18	0.499	0.678
	FR1 n48_Ant 2	20M	BPSK	25	12	Back	10mm	Index 5	646000	3690	24.07	25.40	1.358	-0.11	0.493	0.670
	FR1 n48_Ant 2	40M	BPSK	1	1	Front	10mm	Index 6	641666	3624.99	20.37	20.50	1.030	0.02	0.235	0.242
	FR1 n48_Ant 2	40M	BPSK	50	25	Front	10mm	Index 6	641666	3624.99	23.13	23.90	1.194	0.06	0.438	0.523
	FR1 n48_Ant 2	40M	BPSK	1	1	Back	10mm	Index 6	641666	3624.99	20.37	20.50	1.030	0.1	0.232	0.239
	FR1 n48_Ant 2	40M	BPSK	50	25	Back	10mm	Index 6	641666	3624.99	23.13	23.90	1.194	-0.06	0.435	0.519
	FR1 n48_Ant 2	20M	BPSK	1	1	Front	10mm	Index 6	641666	3624.99	23.15	23.90	1.189	-0.07	0.409	0.486
	FR1 n48_Ant 2	20M	BPSK	1	1	Back	10mm	Index 6	641666	3624.99	23.15	23.90	1.189	-0.1	0.409	0.486

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n66_Ant 2	40M	BPSK	1	1	Front	10mm	Index 5	349000	1745	23.24	23.80	1.138	0.15	0.535	0.609
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	Index 5	349000	1745	23.10	23.80	1.175	-0.08	0.580	0.681
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	Index 5	349000	1745	23.24	23.80	1.138	-0.08	0.511	0.581
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	Index 5	349000	1745	23.10	23.80	1.175	-0.02	0.615	0.723
	FR1 n66_Ant 2	40M	BPSK	1	1	Front	10mm	Index 6	349000	1745	22.71	23.00	1.069	0.09	0.477	0.510
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	Index 6	349000	1745	22.55	23.00	1.109	-0.06	0.517	0.573
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	Index 6	349000	1745	22.71	23.00	1.069	0.07	0.455	0.486
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	Index 6	349000	1745	22.55	23.00	1.109	0.02	0.548	0.608
82	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	Index 5	349000	1745	24.42	25.20	1.197	-0.03	0.666	0.797
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	Index 5	349000	1745	24.29	25.20	1.233	0.03	0.623	0.768
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	Index 5	349000	1745	24.42	25.20	1.197	0.07	0.636	0.761
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	Index 5	349000	1745	24.29	25.20	1.233	0.06	0.610	0.752
	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	Index 6	349000	1745	22.88	23.60	1.180	-0.01	0.471	0.556
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	Index 6	349000	1745	22.81	23.60	1.199	-0.1	0.441	0.529
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	Index 6	349000	1745	22.88	23.60	1.180	-0.01	0.450	0.531
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	Index 6	349000	1745	22.81	23.60	1.199	-0.02	0.432	0.518
	FR1 n71_Ant 0	20M	BPSK	1	53	Front	10mm	Index 5/6	136100	680.5	24.45	25.70	1.334	-0.07	0.295	0.393
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	Index 5/6	136100	680.5	24.35	25.70	1.365	0.01	0.285	0.389
83	FR1 n71_Ant 0	20M	BPSK	1	53	Back	10mm	Index 5/6	136100	680.5	24.45	25.70	1.334	-0.01	0.352	0.469
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	Index 5/6	136100	680.5	24.35	25.70	1.365	-0.15	0.322	0.439
	FR1 n71_Ant 1	20M	BPSK	1	53	Front	10mm	Index 5/6	136100	680.5	24.03	25.30	1.340	-0.01	0.182	0.244
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	Index 5/6	136100	680.5	23.99	25.30	1.352	0.03	0.171	0.231
	FR1 n71_Ant 1	20M	BPSK	1	53	Back	10mm	Index 5/6	136100	680.5	24.03	25.30	1.340	-0.05	0.206	0.276
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	Index 5/6	136100	680.5	23.99	25.30	1.352	0.07	0.192	0.260
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	Index 5	656000	3840	20.30	21.10	1.202	0.15	0.435	0.523
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	Index 5	656000	3840	19.93	21.10	1.309	0.11	0.369	0.483
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	Index 5	656000	3840	20.30	21.10	1.202	0.05	0.455	0.547
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	Index 5	656000	3840	19.93	21.10	1.309	0.03	0.384	0.503
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Back	10mm	Index 5	656000	3840	23.30	24.10	1.202	-0.13	0.436	0.524
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	Index 6	656000	3840	20.30	20.30	1.000	0.15	0.435	0.435
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	Index 6	656000	3840	19.93	20.30	1.089	0.11	0.369	0.402
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	Index 6	656000	3840	20.30	20.30	1.000	0.05	0.455	0.455
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	Index 6	656000	3840	19.93	20.30	1.089	0.03	0.384	0.418
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Back	10mm	Index 6	656000	3840	23.30	23.30	1.000	-0.13	0.436	0.436
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	Index 5	633332	3499.98	20.19	21.10	1.233	-0.14	0.398	0.491
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	Index 5	633332	3499.98	19.87	21.10	1.327	-0.14	0.321	0.426
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	Index 5	633332	3499.98	20.19	21.10	1.233	-0.17	0.304	0.375
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	Index 5	633332	3499.98	19.87	21.10	1.327	0.12	0.274	0.364
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	Index 5	633332	3499.98	23.22	24.10	1.225	-0.16	0.340	0.416
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	Index 6	633332	3499.98	20.19	20.30	1.026	-0.14	0.398	0.408
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	Index 6	633332	3499.98	19.87	20.30	1.104	-0.14	0.321	0.354
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	Index 6	633332	3499.98	20.19	20.30	1.026	-0.17	0.304	0.312
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	Index 6	633332	3499.98	19.87	20.30	1.104	0.12	0.274	0.303
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	Index 6	633332	3499.98	23.22	23.30	1.019	-0.16	0.340	0.346

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 2	100M	BPSK	1	1	Front	10mm	Index 5	656000	3840	21.36	21.60	1.057	-0.13	0.343	0.362
	FR1 n77_Ant 2	100M	BPSK	135	69	Front	10mm	Index 5	656000	3840	20.90	21.60	1.175	-0.12	0.238	0.280
	FR1 n77_Ant 2	100M	BPSK	1	1	Back	10mm	Index 5	656000	3840	21.36	21.60	1.057	-0.11	0.289	0.305
	FR1 n77_Ant 2	100M	BPSK	135	69	Back	10mm	Index 5	656000	3840	20.90	21.60	1.175	-0.15	0.203	0.239
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Front	10mm	Index 5	656000	3840	24.31	24.60	1.069	-0.13	0.306	0.327
	FR1 n77_Ant 2	100M	BPSK	1	1	Front	10mm	Index 6	656000	3840	19.33	20.30	1.250	-0.02	0.219	0.274
	FR1 n77_Ant 2	100M	BPSK	135	69	Front	10mm	Index 6	656000	3840	18.91	20.30	1.377	-0.05	0.180	0.248
	FR1 n77_Ant 2	100M	BPSK	1	1	Back	10mm	Index 6	656000	3840	19.33	20.30	1.250	-0.05	0.197	0.246
	FR1 n77_Ant 2	100M	BPSK	135	69	Back	10mm	Index 6	656000	3840	18.91	20.30	1.377	0.01	0.155	0.213
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Front	10mm	Index 6	656000	3840	22.31	23.30	1.256	-0.05	0.211	0.265
	FR1 n77_Ant 2	100M	BPSK	1	1	Front	10mm	Index 5	633332	3499.98	21.13	21.60	1.114	0.15	0.500	0.557
	FR1 n77_Ant 2	100M	BPSK	135	69	Front	10mm	Index 5	633332	3499.98	20.75	21.60	1.216	0.13	0.453	0.551
	FR1 n77_Ant 2	100M	BPSK	1	1	Back	10mm	Index 5	633332	3499.98	21.13	21.60	1.114	-0.17	0.580	0.646
	FR1 n77_Ant 2	100M	BPSK	135	69	Back	10mm	Index 5	633332	3499.98	20.75	21.60	1.216	-0.14	0.528	0.642
	FR1 n77_Ant 2	100M	BPSK	270	0	Back	10mm	Index 5	633332	3499.98	20.72	21.60	1.225	-0.14	0.446	0.546
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Back	10mm	Index 5	633332	3499.98	24.08	24.60	1.127	-0.16	0.567	0.639
	FR1 n77_Ant 2	100M	BPSK	1	1	Front	10mm	Index 6	633332	3499.98	19.08	20.30	1.324	-0.04	0.314	0.416
	FR1 n77_Ant 2	100M	BPSK	135	69	Front	10mm	Index 6	633332	3499.98	18.72	20.30	1.439	-0.05	0.245	0.353
	FR1 n77_Ant 2	100M	BPSK	1	1	Back	10mm	Index 6	633332	3499.98	19.08	20.30	1.324	-0.1	0.371	0.491
	FR1 n77_Ant 2	100M	BPSK	135	69	Back	10mm	Index 6	633332	3499.98	18.72	20.30	1.439	0.03	0.286	0.411
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Back	10mm	Index 6	633332	3499.98	22.08	23.30	1.324	-0.05	0.365	0.483
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	Index 5/6	656000	3840	24.00	25.00	1.259	-0.11	0.389	0.490
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	Index 5/6	656000	3840	23.50	25.00	1.413	-0.17	0.248	0.350
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	Index 5/6	656000	3840	24.00	25.00	1.259	0.19	0.469	0.590
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	Index 5/6	656000	3840	23.50	25.00	1.413	-0.16	0.272	0.384
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	Index 5/6	633332	3499.98	24.36	25.00	1.159	-0.16	0.392	0.454
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	Index 5/6	633332	3499.98	24.08	25.00	1.236	0.07	0.359	0.444
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	Index 5/6	633332	3499.98	24.36	25.00	1.159	-0.01	0.554	0.642
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	Index 5/6	633332	3499.98	24.08	25.00	1.236	0.03	0.499	0.617
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	Index 5	656000	3840	23.16	24.60	1.393	-0.07	0.658	0.917
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	Index 5	656000	3840	22.91	24.60	1.476	0.15	0.525	0.775
	FR1 n77_Ant 5	100M	BPSK	270	0	Front	10mm	Index 5	656000	3840	22.71	24.60	1.545	0.14	0.490	0.757
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	Index 5	656000	3840	23.16	24.60	1.393	-0.02	0.406	0.566
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	Index 5	656000	3840	22.91	24.60	1.476	0.13	0.320	0.472
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	Index 6	656000	3840	21.16	22.20	1.271	0.09	0.415	0.527
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	Index 6	656000	3840	20.90	22.20	1.349	0.09	0.331	0.447
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	Index 6	656000	3840	21.16	22.20	1.271	0.1	0.256	0.325
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	Index 6	656000	3840	20.90	22.20	1.349	-0.02	0.202	0.272
84	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	Index 5	633332	3499.98	23.30	24.60	1.349	-0.1	0.736	0.993
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	Index 5	633332	3499.98	23.00	24.60	1.445	0.1	0.571	0.825
	FR1 n77_Ant 5	100M	BPSK	270	0	Front	10mm	Index 5	633332	3499.98	23.01	24.60	1.442	-0.01	0.597	0.861
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	Index 5	633332	3499.98	23.30	24.60	1.349	0	0.608	0.820
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	Index 5	633332	3499.98	23.00	24.60	1.445	0.08	0.485	0.701
	FR1 n77_Ant 5	100M	BPSK	270	0	Back	10mm	Index 5	633332	3499.98	23.01	24.60	1.442	0.08	0.447	0.645
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	Index 6	633332	3499.98	21.22	22.20	1.253	0	0.464	0.581
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	Index 6	633332	3499.98	20.93	22.20	1.340	-0.02	0.360	0.482
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	Index 6	633332	3499.98	21.22	22.20	1.253	0.01	0.384	0.481
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	Index 6	633332	3499.98	20.93	22.20	1.340	-0.07	0.306	0.410

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	Index 5	11	2462	20.80	21.00	1.047	98.62	1.014	-0.18	0.804	0.854
85	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	Index 5	12	2467	20.80	21.00	1.047	98.62	1.014	-0.09	0.913	0.969
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	Index 5	11	2462	20.80	21.00	1.047	98.62	1.014	-0.18	0.625	0.664
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	Index 5/6	6	2437	20.95	21.00	1.012	98.97	1.010	-0.03	0.443	0.453
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	Index 5/6	6	2437	20.95	21.00	1.012	98.97	1.010	-0.07	0.383	0.391
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	Index 5	6	2437	21.00	21.00	1.000	93.46	1.070	-0.08	0.791	0.846
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	Index 5	6	2437	20.05	21.00	1.245	93.46	1.070	-0.08	0.327	0.435
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	Index 5	1	2412	17.40	17.50	1.023	93.46	1.070	-0.09	0.213	0.233
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	Index 5	1	2412	16.85	17.50	1.161	93.46	1.070	-0.09	0.142	0.176
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	Index 5	6	2437	21.00	21.00	1.000	93.46	1.070	0.01	0.570	0.610
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	Index 5	6	2437	20.05	21.00	1.245	93.46	1.070	0.01	0.338	0.450
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	Index 7	13	2472	16.95	17.00	1.012	98.62	1.014	0.06	0.261	0.268
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	Index 7	13	2472	16.95	17.00	1.012	98.62	1.014	-0.12	0.234	0.240
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	Index 7/8	12	2467	16.95	17.00	1.012	98.97	1.010	0.08	0.191	0.195
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	Index 7/8	12	2467	16.95	17.00	1.012	98.97	1.010	-0.15	0.162	0.166
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(4)	Index 7	1	2412	16.85	17.00	1.035	93.46	1.070	-0.07	0.138	0.153
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 4+3(3)	Index 7	1	2412	16.75	17.00	1.059	93.46	1.070	-0.07	0.094	0.107
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(4)	Index 7	1	2412	16.85	17.00	1.035	93.46	1.070	-0.15	0.113	0.125
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 4+3(3)	Index 7	1	2412	16.75	17.00	1.059	93.46	1.070	-0.15	0.079	0.090
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 5/6/7/8/9	52	5260	18.60	19.00	1.096	93.6	1.068	0.01	0.168	0.197
86	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 5/6/7/8/9	52	5260	18.60	19.00	1.096	93.6	1.068	0.17	0.174	0.204
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 5/7/9	52	5260	18.90	19.00	1.023	93.46	1.070	0.08	0.102	0.112
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 5/7/9	52	5260	18.50	19.00	1.122	93.46	1.070	0.08	0.146	0.175
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 5/7/9	52	5260	18.90	19.00	1.023	93.46	1.070	-0.04	0.162	0.177
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 5/7/9	52	5260	18.50	19.00	1.122	93.46	1.070	-0.04	0.118	0.142
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 5/6/7/9	144	5720	19.50	19.50	1.000	93.6	1.068	-0.01	0.147	0.157
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 5/6/7/9	144	5720	19.50	19.50	1.000	93.6	1.068	-0.04	0.249	0.266
87	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 5/7/9	144	5720	19.50	19.50	1.000	93.46	1.070	-0.05	0.145	0.155
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 5/7/9	144	5720	19.00	19.50	1.122	93.46	1.070	-0.05	0.294	0.353
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 5/7/9	144	5720	19.50	19.50	1.000	93.46	1.070	-0.06	0.226	0.242
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 5/7/9	144	5720	19.00	19.50	1.122	93.46	1.070	-0.06	0.222	0.267
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 8	144	5720	18.50	18.50	1.000	93.6	1.068	0.05	0.074	0.079
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 8	144	5720	18.50	18.50	1.000	93.6	1.068	0.01	0.114	0.122
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 5/6/7/8	157	5785	19.10	20.00	1.230	93.6	1.068	0.06	0.161	0.212
88	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 5/6/7/8	157	5785	19.10	20.00	1.230	93.6	1.068	-0.06	0.257	0.338
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 5/7	165	5825	19.50	20.00	1.122	93.46	1.070	-0.06	0.121	0.145
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 5/7	165	5825	19.00	20.00	1.259	93.46	1.070	-0.06	0.203	0.273
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 5/7	165	5825	19.50	20.00	1.122	93.46	1.070	-0.06	0.261	0.313
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 5/7	165	5825	19.00	20.00	1.259	93.46	1.070	-0.06	0.172	0.232
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 9	157	5785	18.50	18.50	1.000	93.6	1.068	0.08	0.082	0.088
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 9	157	5785	18.50	18.50	1.000	93.6	1.068	0.01	0.122	0.130
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 9	165	5825	18.50	18.50	1.000	93.46	1.070	0.09	0.085	0.091
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 9	165	5825	18.30	18.50	1.047	93.46	1.070	0.09	0.152	0.170
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 9	165	5825	18.50	18.50	1.000	93.46	1.070	-0.14	0.237	0.254
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 9	165	5825	18.30	18.50	1.047	93.46	1.070	-0.14	0.141	0.158
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 5/6/7/8/9	173	5865	19.20	19.50	1.072	93.6	1.068	0.05	0.189	0.216
89	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 5/6/7/8/9	173	5865	19.20	19.50	1.072	93.6	1.068	0.01	0.340	0.389
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 5/7/9	169	5845	19.30	19.50	1.047	93.46	1.070	-0.03	0.140	0.157
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 5/7/9	169	5845	19.20	19.50	1.072	93.46	1.070	-0.03	0.220	0.252
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 5/7/9	169	5845	19.30	19.50	1.047	93.46	1.070	-0.09	0.303	0.339
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 5/7/9	169	5845	19.20	19.50	1.072	93.46	1.070	-0.09	0.171	0.196

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)
	WLAN6GHz	802.11a 6Mbps	Front	10mm	Ant 4	Index 5/6/7/8/9	57	6235	18.90	19.00	1.023	93.3	1.072	0.05	0.072	0.079	0.586	0.643
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 5/6/7/8/9	57	6235	18.90	19.00	1.023	93.3	1.072	0.15	0.179	0.196	1.28	1.404
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 5/6/7/8/9	1	5955	18.40	18.50	1.023	93.3	1.072	0.1	0.163	0.179	1.23	1.349
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4	Index 5/6/7/8/9	173	6815	18.80	19.00	1.047	93.3	1.072	-0.02	0.267	0.300	2.06	2.312
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4	Index 5/6/7/8/9	119	6545	14.80	15.00	1.047	88.2	1.134	0.05	0.145	0.172	1.15	1.366
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4	Index 5/6/7/8/9	215	7025	14.10	14.50	1.096	88.2	1.134	-0.05	0.071	0.088	0.495	0.615
	WLAN6GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(4)	Index 5/7/9	57	6235	19.00	19.00	1.000	93.46	1.070	-0.03	0.109	0.117	0.916	0.980
	WLAN6GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	Index 5/7/9	57	6235	18.50	19.00	1.122	93.46	1.070	-0.03	0.181	0.217	1.39	1.669
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 5/7/9	57	6235	19.00	19.00	1.000	93.46	1.070	-0.01	0.277	0.296	2.07	2.215
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 5/7/9	57	6235	18.50	19.00	1.122	93.46	1.070	-0.01	0.165	0.198	1.4	1.681
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 5/7/9	1	5955	18.50	18.50	1.000	93.46	1.070	-0.11	0.193	0.207	1.48	1.584
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 5/7/9	1	5955	18.00	18.50	1.122	93.46	1.070	-0.11	0.097	0.116	0.792	0.951
90	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(4)	Index 5/7/9	173	6815	18.90	19.00	1.023	93.46	1.070	-0.06	0.304	0.333	2.41	2.639
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	Index 5/7/9	173	6815	18.40	19.00	1.148	93.46	1.070	-0.06	0.171	0.210	1.41	1.732
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(4)	Index 5/7/9	119	6545	14.70	15.00	1.072	91.15	1.097	0.04	0.122	0.143	0.98	1.152
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(3)	Index 5/7/9	119	6545	14.60	15.00	1.096	91.15	1.097	0.04	0.054	0.065	0.416	0.500
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(4)	Index 5/7/9	215	7025	14.00	14.50	1.122	91.15	1.097	0.06	0.077	0.095	0.599	0.737
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4+3(3)	Index 5/7/9	215	7025	14.10	14.50	1.096	91.15	1.097	0.06	0.070	0.084	0.532	0.640

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
91	Bluetooth	1Mbps	Front	10mm	Ant 4	Index 2	78	2480	19.91	20.00	1.020	77.07	1.081	-0.07	0.430	0.474
	Bluetooth	1Mbps	Back	10mm	Ant 4	Index 2	78	2480	19.91	20.00	1.020	77.07	1.081	-0.02	0.339	0.374
	Bluetooth	1Mbps	Front	10mm	Ant 4	Index 3/4	78	2480	14.85	15.00	1.035	77.07	1.081	0.03	0.149	0.167
	Bluetooth	1Mbps	Back	10mm	Ant 4	Index 3/4	78	2480	14.85	15.00	1.035	77.07	1.081	-0.15	0.150	0.168
	Bluetooth	1Mbps	Front	10mm	Ant 3	Index 2/3	39	2441	19.99	20.00	1.003	77.07	1.081	0.19	0.256	0.277
	Bluetooth	1Mbps	Back	10mm	Ant 3	Index 2/3	39	2441	19.99	20.00	1.003	77.07	1.081	-0.15	0.206	0.223
	Bluetooth	1Mbps	Front	10mm	Ant 3	Index 4	0	2402	14.95	15.00	1.012	77.07	1.081	-0.12	0.073	0.080
	Bluetooth	1Mbps	Back	10mm	Ant 3	Index 4	0	2402	14.95	15.00	1.012	77.07	1.081	0.12	0.065	0.071

15.4 Product Specific Test Result

<NFC SAR>

Plot No.	Band	Test Position	Gap (mm)	Freq. (MHz)	Power Drift (dB)	Measured 10g SAR (W/kg)
	NFC	Front	0mm	13.56	0	0.001
92	NFC	Back	0mm	13.56	-0.09	0.072
	NFC	Left Side	0mm	13.56	0	0.001
	NFC	Right Side	0mm	13.56	0	0.001
	NFC	Top Side	0mm	13.56	0	0.001
	NFC	Bottom Side	0mm	13.56	0	0.001

15.5 6GHz PD Test Result

Band	Mode	Test Position	Gap (mm)	Antenna	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m^2)	Total psPD (W/m^2)
WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4	7	5985	13.30	0.0625	1.42	-0.98131658	2	2.41
WLAN6GHz	802.11ax-HE80 MCS0	Front	10mm	Ant 4	7	5985	13.30	0.25	1.78		0.563	0.593
WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4	215	7025	14.10	0.0625	1.14	0.357155523	2.22	2.88
WLAN6GHz	802.11ax-HE80 MCS0	Front	8.59mm	Ant 4	215	7025	14.10	0.25	1.05		0.465	0.49

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (λ)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m^2)	Scaled Normal psPD (W/m^2)	Total psPD (W/m^2)	Scaled Total psPD (W/m^2)
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4	1	167	6785	14.40	15.00	1.148	88.20	1.134	0.0625	1.5535	0.06	2.09	4.23	2.64	5.34
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4	1	215	7025	14.10	14.50	1.096	88.20	1.134	0.0625	1.5535	-0.07	2.22	4.29	2.88	5.56
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4	1	7	5985	13.30	14.00	1.175	88.20	1.134	0.0625	1.5535	-0.10	2.00	4.14	2.41	4.99
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4	1	71	6305	13.50	14.00	1.122	88.20	1.134	0.0625	1.5535	-0.09	2.55	5.04	2.88	5.69
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4	1	119	6545	13.80	14.00	1.047	88.20	1.134	0.0625	1.5535	-0.07	1.84	3.39	2.45	4.52
	WLAN6GHz	802.11a 6Mbps	Front	10mm	Ant 4	5	57	6235	18.90	19.00	1.023	93.30	1.072	0.0625	1.5535	-0.01	0.838	1.43	1.05	1.79
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4	5	57	6235	18.90	19.00	1.023	93.30	1.072	0.0625	1.5535	0.12	2.17	3.70	2.53	4.31
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4	5	1	5955	18.40	18.50	1.023	93.30	1.072	0.0625	1.5535	0.15	1.96	3.34	2.12	3.61
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4	5	173	6815	18.80	19.00	1.047	93.30	1.072	0.0625	1.5535	-0.09	2.62	4.57	2.94	5.13
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4	5	119	6545	14.80	15.00	1.047	88.20	1.134	0.0625	1.5535	0.03	1.35	2.49	1.47	2.71
	WLAN6GHz	802.11ax-HE80 MCS0	Back	10mm	Ant 4	5	215	7025	14.10	14.50	1.096	88.20	1.134	0.0625	1.5535	-0.07	0.681	1.32	0.751	1.45
	WLAN6GHz	802.11a 6Mbps	Right Side	10mm	Ant 4	5	57	6235	18.90	19.00	1.023	93.30	1.072	0.0625	1.5535	0.03	1.98	3.37	2.10	3.58
	WLAN6GHz	802.11a 6Mbps	Top Side	10mm	Ant 4	5	57	6235	18.90	19.00	1.023	93.30	1.072	0.0625	1.5535	0.08	1.79	3.05	2.34	3.99
93	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	1	167	6785	14.10	15.00	1.230	91.15	1.097	0.0625	1.5535	-0.05	2.16	4.53	2.93	6.14
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	1	215	7025	14.10	14.50	1.096	91.15	1.097	0.0625	1.5535	0.05	2.57	4.80	2.98	5.57
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(4)	1	7	5985	13.50	14.00	1.122	91.15	1.097	0.0625	1.5535	-0.09	1.84	3.52	2.48	4.74
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	1	71	6305	13.20	14.00	1.202	91.15	1.097	0.0625	1.5535	-0.02	2.40	4.92	2.81	5.76
	WLAN6GHz	802.11ax-HE80 MCS0	Front	2mm	Ant 4+3(3)	1	119	6545	13.60	14.00	1.096	91.15	1.097	0.0625	1.5535	0.02	2.01	3.76	2.46	4.60
	WLAN6GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	5	57	6235	18.50	19.00	1.122	93.46	1.070	0.0625	1.5535	0.14	3.00	5.60	3.13	5.84
	WLAN6GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	5	1	5955	18.00	18.50	1.122	93.46	1.070	0.0625	1.5535	-0.08	1.81	3.38	1.95	3.64
	WLAN6GHz	802.11a 6Mbps	Front	10mm	Ant 4+3(3)	5	173	6815	18.40	19.00	1.148	93.46	1.070	0.0625	1.5535	-0.06	1.89	3.61	2.25	4.29
	WLAN6GHz	802.11ax-HE80 MCS0	Front	10mm	Ant 4+3(4)	5	119	6545	14.70	15.00	1.072	91.15	1.097	0.0625	1.5535	-0.01	0.72	1.32	0.87	1.59
	WLAN6GHz	802.11ax-HE80 MCS0	Front	10mm	Ant 4+3(4)	5	215	7025	14.00	14.50	1.122	91.15	1.097	0.0625	1.5535	-0.02	0.742	1.42	0.782	1.50
	WLAN6GHz	802.11a 6Mbps	Back	10mm	Ant 4+3(3)	5	57	6235	18.50	19.00	1.122	93.46	1.070	0.0625	1.5535	-0.03	2.23	4.16	2.77	5.17
	WLAN6GHz	802.11a 6Mbps	Left Side	10mm	Ant 4+3(3)	5	57	6235	18.50	19.00	1.122	93.46	1.070	0.0625	1.5535	-0.11	2.80	5.22	3.12	5.82
	WLAN6GHz	802.11a 6Mbps	Right Side	10mm	Ant 4+3(4)	5	57	6235	19.00	19.00	1.000	93.46	1.070	0.0625	1.5535	0.14	2.02	3.36	2.22	3.69
	WLAN6GHz	802.11a 6Mbps	Top Side	10mm	Ant 4+3(4)	5	57	6235	19.00	19.00	1.000	93.46	1.070	0.0625	1.5535	0.04	1.90	3.16	2.48	4.12

15.6 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	GSM850_Ant 1	GPRS (2 Tx slots)	Right Cheek	0mm	Index 2	128	824.2	27.99	28.90	1.233	0	0.800	-	0.986
2nd	GSM850_Ant 1	GPRS (2 Tx slots)	Right Cheek	0mm	Index 2	128	824.2	27.99	28.90	1.233	-0.11	0.760	1.053	0.937

No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	Index 1	52	5260	18.90	19.00	1.023	93.46	1.070	-0.16	0.317	-	0.347
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	Index 1	52	5260	18.50	19.00	1.122	93.46	1.070	-0.16	0.909		1.091
2nd	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(4)	Index 1	52	5260	18.90	19.00	1.023	93.46	1.070	0.12	0.309	1.002	0.338
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 4+3(3)	Index 1	52	5260	18.50	19.00	1.122	93.46	1.070	0.12	0.907		1.089
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	122	5610	15.80	16.00	1.047	89.9	1.112	-0.1	0.118	-	0.137
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	122	5610	15.90	16.00	1.023	89.9	1.112	-0.1	0.901		1.025
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	122	5610	15.80	16.00	1.047	89.9	1.112	0.01	0.111	1.003	0.129
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	122	5610	15.90	16.00	1.023	89.9	1.112	0.01	0.898		1.022
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	155	5775	17.00	17.00	1.000	89.9	1.112	-0.08	0.159	-	0.177
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	155	5775	16.40	17.00	1.148	89.9	1.112	-0.08	0.867		1.107
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	155	5775	17.00	17.00	1.000	89.9	1.112	0.08	0.142	1.013	0.158
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	155	5775	16.40	17.00	1.148	89.9	1.112	0.08	0.856		1.093
1st	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.03	0.224	-	0.253
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	-0.03	0.878		0.992
2nd	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(4)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	0.03	0.223	1.026	0.252
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+3(3)	Index 1	167	5835	17.30	17.50	1.047	92.7	1.079	0.03	0.856		0.967
1st	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	Index 5	12	2467	20.80	21.00	1.047	98.62	1.014	-0.09	0.913	-	0.969
2nd	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	Index 5	12	2467	20.80	21.00	1.047	98.62	1.014	-0.15	0.888	1.028	0.943

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR <1.45W/kg, only one repeated measurement is required.
3. The ratio is the difference in percentage between original and repeated *measured SAR*.
4. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

15.7 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required.
Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

<LTE Band 41 Linearity Data for Head>

	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.1	26.7
Reported 1g SAR (W/kg)	0.982	0.919
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	204.83	202.53
Linearity SAR(W/kg)	0.97	
% deviation from expected linearity		-5.35%
	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.2	27
Reported 1g SAR (W/kg)	0.507	0.505
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	209.61	217.01
Linearity SAR(W/kg)	0.52	
% deviation from expected linearity		-3.79%

<LTE Band 41 Linearity Data for Hotspot>

	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.9	22.5
Reported 1g SAR (W/kg)	0.55	0.508
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	77.88	77.00
Linearity SAR(W/kg)	0.54	
% deviation from expected linearity		-6.58%
	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.3	24.9
Reported 1g SAR (W/kg)	0.689	0.675
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	135.33	133.81
Linearity SAR(W/kg)	0.68	
% deviation from expected linearity		-0.92%

<LTE Band 41 Linearity Data for Body-worn>

	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.6	27.2
Reported 1g SAR (W/kg)	0.96	0.888
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	229.83	227.24
Linearity SAR(W/kg)	0.95	
% deviation from expected linearity		-6.45%
	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.2	27
Reported 1g SAR (W/kg)	0.712	0.686
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	209.61	217.01
Linearity SAR(W/kg)	0.74	
% deviation from expected linearity		-6.94%

15.8 FR1 n77 Power Class 2 and Power Class 3 Linearity

This device support Power Class 2 and Power Class 3 operations for FR1 n77. The highest available duty cycle for Power Class 2 operation is 50%. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each FR1 configuration and exposure condition combination, according to the highest time averaged power for Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required. Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

<FR1 n77 Linearity Data for Head>

	FR1 n77_Ant 6 (Power Class 3)	FR1 n77_Ant 6 (Power Class 2)
Maximum Tune up Power (dBm)	23.7	26.7
Reported 1g SAR (W/kg)	0.667	0.662
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	234.42	233.87
Linearity SAR(W/kg)	0.67	
% deviation from expected linearity		-0.51%
	FR1 n77_Ant 2 (Power Class 3)	FR1 n77_Ant 2 (Power Class 2)
Maximum Tune up Power (dBm)	24.7	26.7
Reported 1g SAR (W/kg)	0.943	0.781
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	295.12	233.87
Linearity SAR(W/kg)	0.75	
% deviation from expected linearity		4.51%

<FR1 n77 Linearity Data for Hotspot>

	FR1 n77_Ant 6 (Power Class 3)	FR1 n77_Ant 6 (Power Class 2)
Maximum Tune up Power (dBm)	18.8	21.8
Reported 1g SAR (W/kg)	0.586	0.532
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	75.86	75.68
Linearity SAR(W/kg)	0.58	
% deviation from expected linearity		-9.00%
	FR1 n77_Ant 2 (Power Class 3)	FR1 n77_Ant 2 (Power Class 2)
Maximum Tune up Power (dBm)	19.5	22.5
Reported 1g SAR (W/kg)	0.584	0.579
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	88.91
Linearity SAR(W/kg)	0.58	
% deviation from expected linearity		-0.62%

<FR1 n77 Linearity Data for Body-worn>

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.1	24.1
Reported 1g SAR (W/kg)	0.547	0.524
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	128.82	128.52
Linearity SAR(W/kg)	0.55	
% deviation from expected linearity		-3.98%
	FR1 n77_Ant 2	FR1 n77_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.6	24.6
Reported 1g SAR (W/kg)	0.646	0.639
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	144.54	144.20
Linearity SAR(W/kg)	0.64	
% deviation from expected linearity		-0.85%

Test Engineer：Willy Yu, Jordar Jhuang, Barry Huang, Chris Yang, White Huang, Tommy Chen, Ray Sun, Sing Lim, Lu Chen, Howard Zhao, Jerry Hsu, John Fan, Kevin Guo

16. Uncertainty Assessment

Declaration of Conformity:
The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainly may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainly by the statistical analysis of a series of observations is termed a Type An evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor[a]	1/k[b]	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) κ is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Applicable for SAR Measurements:

Uncertainty Budget (4 MHz - 10 GHz range)							
Error Description	**Uncertainty Value (±%)**	**Probability**	**Divisor**	**(Ci) 1g**	**(Ci) 10g**	**Standard Uncertainty (1g) (±%)**	**Standard Uncertainty (10g) (±%)**
Measurement System							
Probe Calibration	18.60	N	2	1	1	9.3	9.3
Axial Isotropy	4.70	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.60	R	1.732	0.7	0.7	3.9	3.9
Linearity	4.70	R	1.732	1	1	2.7	2.7
Modulation Response	4.68	R	1.732	1	1	2.7	2.7
System Detection Limits	1.00	R	1.732	1	1	0.6	0.6
Boundary Effects	2.00	R	1.732	1	1	1.2	1.2
Readout Electronics	0.30	N	1	1	1	0.3	0.3
Response Time	0.00	R	1.732	1	1	0.0	0.0
Integration Time	2.60	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.00	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.00	R	1.732	1	1	1.7	1.7
Probe Positioner	0.40	R	1.732	1	1	0.2	0.2
Probe Positioning	6.70	R	1.732	1	1	3.9	3.9
Post-processing	4.00	R	1.732	1	1	2.3	2.3
Test Sample Related							
Device Holder	3.60	N	1	1	1	3.6	3.6
Test sample Positioning	3.03	N	1	1	1	3.0	3.0
Power Scaling	0.00	R	1.732	1	1	0.0	0.0
Power Drift	5.00	R	1.732	1	1	2.9	2.9
Phantom and Setup							
Phantom Uncertainty	7.60	R	1.732	1	1	4.4	4.4
SAR correction	0.00	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.03	N	1	0.78	0.77	0.0	0.0
Liquid Conductivity (target)	5.00	R	1.732	0.78	0.77	2.3	2.2
Liquid Conductivity (mea.)	2.50	R	1.732	0.78	0.77	1.1	1.1
Temp. unc. - Conductivity	3.68	R	1.732	0.78	0.77	1.7	1.6
Liquid Permittivity Repeatability	0.02	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.00	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.50	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.84	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						14.5%	14.2%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.4%

Applicable for Power Density Measurements:

Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW ≤ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependance	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	2.00	R	1.732	1	1.15
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dep endent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT		R	1.732	1	
Combined Std. Uncertainty					1.34
Expanded STD Uncertainty (95%)					**2.68**

17. References

[1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”

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[3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013

[4] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.

[5] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

[6] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.

[7] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015

[8] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015

[9] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015

[10] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.

[11] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.

[12] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.

[13] IEC/IEEE 62209-1528:2020, “Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)”, Oct. 2020

[14] SPEAG DASY6 System Handbook

[15] SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)