FCC SAR TEST REPORT

FCC ID	:	A4RGKWS6
Equipment	:	Phone
Model Name	:	GKWS6
Applicant	:	Google LLC 1600 Amphitheatre Parkway, Mountain View, California, 94043 USA
Standard	:	FCC 47 CFR Part 2 (2.1093)

The product was received on Feb. 14, 2023 and testing was started from Apr. 22, 2023 and completed on Aug. 15, 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
FA2D0208-01F	01	Initial issue of report	Jun. 29, 2023
FA2D0208-01F	02	1. Update Section 1, Section 2.1, Section 2.2, Section 3.1, Section 9, Section 10, Section 15.3 and Section 15.4 2. Update Appendix A, B, C and F	Jul. 18, 2023
FA2D0208-01F	03	1. Update section 9, section 10.1 and section 10.2 2. Update appendix A, C, E, G and H	Aug. 15, 2023
FA2D0208-01F	04	1. Update section 2.2 and appendix F	Aug. 21, 2023

1. Statement of Compliace

The maximum results of Specific Absorption Rate (SAR) for Google LLC, Phone, GKWS6, are as follows.

Equipment Class	Frequency Band	Highest SAR Summary				Highest Simultaneous Transmission 1g SAR (W/kg)	Highest Simultaneous Transmission 10g SAR (W/kg)
		Head (Separation 0mm)	Body-worn (Separation 10mm)	Hotspot (Separation 10mm)	Product Specific (Separation 0mm)		
		1g SAR (W/kg)			10g SAR (W/kg)		
Licensed	GSM850	0.94	0.95	0.77		1.59	2.47
	GSM1900	0.67	0.73	0.76	2.47		
	WCDMA II	0.93	0.77	0.79			
	WCDMA IV	0.73	0.52	0.82			
	WCDMA V	0.67	0.76	0.76			
	LTE B2	0.99	0.57	0.79			
	LTE B7	0.80	0.94	0.82	1.82		
	LTE B12/B17	0.98	0.49	0.54			
	LTE B13	0.83	0.54	0.70			
	LTE B14	0.82	0.53	0.64			
	LTE B25/B2	0.92	0.61	0.84	2.44		
	LTE B26/B5	0.82	0.63	0.72			
	LTE B30	0.65	0.99	0.83	1.85		
	LTE B41/B38	0.91	0.68	0.69	1.67		
	LTE B48	0.61	0.49	0.84			
	LTE B66/B4	0.99	0.92	0.68	1.13		
	LTE B71	0.98	0.50	0.48			
	FR1 n2	0.96	0.54	0.66			
	FR1 n7	0.92	0.99	0.81	1.57		
	FR1 n12	0.93	0.50	0.55			
	FR1 n25/n2	0.81	0.74	0.85			
	FR1 n26/n5	0.78	0.74	0.79			
	FR1 n30	0.68	0.98	0.83	1.51		
	FR1 n38	0.34					
	FR1 n41	0.85	0.78	0.82	1.41		
	FR1 n48	0.99	0.60	0.81			
	FR1 n66	1.00	0.97	0.81	0.95		
	FR1 n70	0.55	0.53	0.85			
	FR1 n71	0.94	0.53	0.62			
	FR1 n77/n78	0.92	0.78	0.65			
DXX	13.56 MHz				0.13		
DTS	2.4GHz WLAN	1.05	0.69	0.70		1.59	
NII	5GHz WLAN	0.62	0.35	0.26	1.58	1.59	2.47
6CD	6GHz WLAN	0.28	0.11		0.32	1.59	2.47
DSS	Bluetooth	0.24	0.59	0.33		1.59	

Equipment Class	Frequency Band	Head	Body	Product Specific	Reported PD (mW/cm^2)
		Reported APD (mW/cm^2)	Reported APD (mW/cm^2)	Reported APD (mW/cm^2)	
6CD	6GHz WLAN	0.20	0.07	0.76	0.75
Date of Testing:		2023/04/22 ~ 2023/8/15			

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	GKWS6
FCC ID	A4RGKWS6
S/N	33301FDJH00023, 33301FDJH00020, 33301FDJH00024, 33301FDJH0001Z, 33301FDJH00025, 33301FDJH00022, 33301FDJH00021
Wireless Technology and Frequency Range	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz 5G NR n78: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3800 MHz 5G NR n258 : 24.25 GHz~24.45 GHz, 24.75GHz ~25.25GHz 5G NR n260 : 37 GHz~40 GHz 5G NR n261 : 27.5 GHz~28.35 GHz WLAN 2.4GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2G Band: 5150 MHz ~ 5250 MHz WLAN 5.3G Band: 5250 MHz ~ 5350 MHz WLAN 5.5G Band: 5470 MHz ~ 5725 MHz WLAN 5.8G Band: 5725 MHz ~ 5850 MHz WLAN 5.9G 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 WPT: 110.1 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/be HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160 Bluetooth BR/EDR/LE/HR NFC: ASK WPT: 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, 1 and 2 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, extremity) 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, PC1.5 as power class1.5.
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.
6. The device additional support uplink MIMO on n41/n48/n77/n78, the TAS feature will control the device to transmit at higher power instantaneously, as high as Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit, the uplink MIMO compliance is validated include in the TAS Part2 report No.: FA2D0208-01E.
7. The PC1.5 only support uplink MIMO.
8. The PC1.5 NR SAR was not required, due to PC1.5 operate in the time-averaged and burst transmission power is less than PC2, therefore, only PC2 was performed on the highest SAR test configuration in PC3, and use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%.

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/n12/n26/n71 ANT 1: LTE B2/B4/B66, NR n2/n38/n41/n48/n66/n77/n78 ANT 2: GSM1900, UMTS B2/B4, LTE B2/B4/B7/B25/B30/B38/B41/B66, NR n2/n7/n25/n30/n38/n41/n66/n70 ANT 6: LTE B48, NR n48/n77/n78
TX 1	ANT 0: GSM1900, UMTS B2/B4, LTE B2/B4/B7/B25/B30/B38/B41/B66, NR n2/n7/n25/n30/n38/n41/n66/n70 ANT 1: GSM850, UMTS B5, LTE B5/B12/B13/B14/B17/B26/B71, NR n5/n12/n26/n71 ANT 5: LTE B2/B4/B66, NR n2/n38/n41/n48/n66/n77/n78 ANT 7: LTE B48, NR n48/n77/n78

Maximum Transmit Burst Average Power (dBm)								
Band	Antenna	Duty cycle	Max Power Condition	Head	Head	Hotspot	Body-worn/Extremity	Body-worn/Extremity
				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	31.70	31.00	30.70	32.40	31.70
GSM850 GPRS 3TX	0	37.50%	31.50	29.90	29.20	28.90	30.60	29.90
GSM850 GPRS 4TX	0	50.00%	30.50	28.70	28.00	27.70	29.40	28.70
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	30.90	30.20	33.00	33.00	33.00
GSM850 GPRS 2TX	1	25.00%	32.00	27.90	27.20	32.00	32.00	32.00
GSM850 GPRS 3TX	1	37.50%	31.00	26.10	25.40	31.00	31.00	31.00
GSM850 GPRS 4TX	1	50.00%	30.00	24.90	24.20	30.00	30.00	30.00
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	27.00	27.00	27.00	27.00
GSM850 EDGE 3TX	1	37.50%	27.00	26.10	25.40	27.00	27.00	27.00
GSM850 EDGE 4TX	1	50.00%	25.00	24.90	24.20	25.00	25.00	25.00
GSM1900 GSM/GPRS 1TX	2	12.50%	31.00	31.00	31.00	30.10	30.80	30.10
GSM1900 GPRS 2TX	2	25.00%	29.50	29.50	29.50	27.10	27.80	27.10
GSM1900 GPRS 3TX	2	37.50%	29.00	29.00	29.00	25.30	26.00	25.30
GSM1900 GPRS 4TX	2	50.00%	28.00	28.00	28.00	24.10	24.80	24.10
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%	30.20	30.20	30.20	26.50	28.60	27.90
GSM1900 GPRS 2TX	0	25.00%	28.70	28.70	28.70	23.50	25.60	24.90
GSM1900 GPRS 3TX	0	37.50%	28.20	28.20	28.20	21.70	23.80	23.10
GSM1900 GPRS 4TX	0	50.00%	27.20	27.20	27.20	20.50	22.60	21.90
GSM1900 EDGE 1TX	0	12.50%	25.20	25.20	25.20	25.20	25.20	25.20
GSM1900 EDGE 2TX	0	25.00%	24.20	24.20	24.20	23.50	24.20	24.20
GSM1900 EDGE 3TX	0	37.50%	24.20	24.20	24.20	21.70	23.80	23.10
GSM1900 EDGE 4TX	0	50.00%	23.20	23.20	23.20	20.50	22.60	21.90
WCDMA B2	2	100.00%	25.50	25.10	24.40	21.30	22.00	21.30
WCDMA B2	0	100.00%	25.30	25.30	25.30	18.40	20.10	19.40
WCDMA B4	2	100.00%	25.50	25.50	25.50	21.20	21.90	21.20
WCDMA B4	0	100.00%	25.30	25.30	25.30	19.30	20.00	19.30
WCDMA B5	0	100.00%	25.50	25.50	25.50	25.20	25.50	25.50
WCDMA B5	1	100.00%	25.10	22.40	21.70	25.10	25.10	25.10

Maximum Transmit Burst Average Power (dBm)								
Band	Antenna	Duty cycle	Max Power Condition	Head	Head	Hotspot	Body-worn/Extremity	Body-worn/Extremity
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6
LTE B25/2	2	100.00%	25.50	24.50	23.80	20.00	20.70	20.00
LTE B25/2	0	100.00%	25.30	25.30	25.30	18.50	20.10	19.40
LTE B2	1	100.00%	25.50	17.20	16.50	21.20	22.70	22.00
LTE B2	5	100.00%	25.30	17.20	16.50	21.20	21.90	21.20
LTE B7	2	100.00%	25.40	22.20	21.50	19.70	20.40	19.70
LTE B7	0	100.00%	25.00	25.00	25.00	18.40	21.40	20.70
LTE B12/17	0	100.00%	25.50	25.50	25.50	25.50	25.50	25.50
LTE B12/17	1	100.00%	25.10	24.70	24.00	25.10	25.10	25.10
LTE B13	0	100.00%	25.50	25.50	25.50	24.70	25.50	25.50
LTE B13	1	100.00%	25.10	23.60	22.90	25.10	25.10	25.10
LTE B14	0	100.00%	25.50	25.50	25.50	24.30	25.00	24.30
LTE B14	1	100.00%	25.10	23.30	22.60	25.10	25.10	25.10
LTE B26/B5	0	100.00%	25.50	25.50	25.50	25.50	25.50	25.50
LTE B26/B5	1	100.00%	25.10	22.10	21.40	25.10	25.10	25.10
LTE B30	2	100.00%	22.50	22.50	22.50	19.90	20.60	19.90
LTE B30	0	100.00%	20.80	20.80	20.80	17.40	20.20	19.50
LTE B38 PC3	2	63.30%	23.90	23.90	23.30	21.20	22.30	21.60
LTE B38 PC3	0	63.30%	23.50	23.50	23.50	19.90	22.60	21.90
LTE B38 PC2	2	43.30%	26.90	25.60	24.90	22.80	23.90	23.20
LTE B38 PC2	0	43.30%	26.50	26.50	26.50	21.50	24.20	23.50
LTE B41 PC3	2	63.30%	23.90	23.90	23.30	21.20	22.30	21.60
LTE B41 PC3	0	63.30%	23.70	23.70	23.70	19.90	22.60	21.90
LTE B41 PC2	2	43.30%	26.90	25.60	24.90	22.80	23.90	23.20
LTE B41 PC2	0	43.30%	26.50	26.50	26.50	21.60	24.30	23.60
LTE B48 PC3	6	63.30%	22.50	22.50	22.50	20.70	21.60	20.90
LTE B48 PC3	7	63.30%	24.00	24.00	24.00	22.40	23.60	22.90
LTE B66/B4	2	100.00%	25.50	25.50	25.30	21.30	22.00	21.30
LTE B66/B4	0	100.00%	25.30	25.30	25.30	18.80	21.50	20.80
LTE B66/B4	1	100.00%	25.50	19.20	18.50	22.20	22.90	22.20
LTE B66/B4	5	100.00%	25.30	19.90	19.20	20.50	21.20	20.50
LTE B71	0	100.00%	25.50	25.50	25.50	25.50	25.50	25.50
LTE B71	1	100.00%	25.10	24.20	23.50	25.10	25.10	25.10

Maximum Transmit Burst Average Power (dBm)								
Band	Antenna	Duty cycle	Mobile Condition	Head	Head	Hotspot	Body-worn/Extremity	Body-worn/Extremity
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6
FR1 n25/n2	2	100.00%	25.50	24.70	24.00	21.20	21.90	21.20
FR1 n25/n2	0	100.00%	25.30	25.30	25.30	18.20	19.50	18.80
FR1 n2	1	100.00%	25.50	17.70	17.00	21.20	22.80	22.10
FR1 n2	5	100.00%	25.30	17.30	16.60	21.20	21.90	21.20
FR1 n5/n26	0	100.00%	25.50	25.50	25.50	25.10	25.50	25.50
FR1 n5/n26	1	100.00%	25.10	21.30	20.60	25.10	25.10	25.10
FR1 n7	2	100.00%	25.40	22.80	22.10	19.90	20.60	19.90
FR1 n7	0	100.00%	25.00	25.00	25.00	18.60	20.80	20.10
FR1 n12	0	100.00%	25.50	25.50	25.50	25.50	25.50	25.50
FR1 n12	1	100.00%	25.10	23.40	22.70	25.10	25.10	25.10
FR1 n30	2	100.00%	22.50	22.50	22.50	19.40	20.10	19.40
FR1 n30	0	100.00%	20.80	20.80	20.80	16.90	19.50	18.80
FR1 n38 PC3	2	100.00%	25.40	22.40	21.70	18.70	21.50	20.80
FR1 n38 PC3	0	100.00%	25.00	25.00	25.00	18.40	20.50	19.80
FR1 n38 PC3	1	100.00%	25.40	14.40	13.70	19.30	20.70	20.00
FR1 n38 PC3	5	100.00%	25.00	17.40	16.70	19.40	21.40	20.70
FR1 n41 PC3	2	100.00%	23.90	22.40	21.70	18.70	21.50	20.80
FR1 n41 PC3	0	100.00%	23.70	23.70	23.70	18.40	20.50	19.80
FR1 n41 PC3	1	100.00%	23.90	14.40	13.70	19.30	20.70	20.00
FR1 n41 PC3	5	100.00%	23.70	17.40	16.70	19.40	21.40	20.70
FR1 n41 PC2	2	50.00%	26.90	25.40	24.70	21.70	24.50	23.80
FR1 n41 PC2	0	50.00%	26.50	26.50	26.50	21.50	23.60	22.90
FR1 n41 PC2	1	50.00%	26.90	17.40	16.70	22.30	23.70	23.00
FR1 n41 PC2	5	50.00%	26.50	20.50	19.80	22.50	24.50	23.80
FR1 n41 PC1.5	2	25.00%	25.40	25.40	25.40	24.70	25.40	25.40
FR1 n41 PC1.5	0	25.00%	25.00	25.00	25.00	24.50	25.00	25.00
FR1 n41 PC1.5	1	25.00%	25.40	20.40	19.70	25.30	25.40	25.40
FR1 n41 PC1.5	5	25.00%	25.00	23.50	22.80	25.00	25.00	25.00
FR1 n48 PC3	6	100.00%	22.50	22.50	22.50	18.70	19.70	19.00
FR1 n48 PC3	7	100.00%	24.00	24.00	24.00	20.10	22.10	21.40
FR1 n48 PC3	1	100.00%	22.50	21.70	21.00	22.50	22.50	22.50
FR1 n48 PC3	5	100.00%	24.00	15.90	15.20	20.30	21.00	20.30
FR1 n66	2	100.00%	25.50	25.50	25.50	21.50	22.20	21.50
FR1 n66	0	100.00%	25.30	25.30	25.30	18.10	21.00	20.30
FR1 n66	1	100.00%	25.50	20.10	19.40	22.70	24.60	23.90
FR1 n66	5	100.00%	25.30	19.80	19.10	21.00	23.80	23.10
FR1 n70	2	100.00%	25.50	25.50	25.50	21.80	22.50	21.80
FR1 n70	0	100.00%	25.30	25.30	25.30	19.00	19.90	19.20
FR1 n71	0	100.00%	25.50	25.50	25.50	25.50	25.50	25.50
FR1 n71	1	100.00%	25.10	23.50	22.80	25.10	25.10	25.10
FR1 n77 PC3	6	100.00%	24.40	22.20	21.50	17.50	20.40	19.70
FR1 n77 PC3	7	100.00%	24.00	24.00	24.00	20.40	21.10	20.40
FR1 n77 PC3	1	100.00%	24.40	21.80	21.10	23.10	23.80	23.10
FR1 n77 PC3	5	100.00%	24.00	15.10	14.40	19.10	21.30	20.60
FR1 n77 PC2	6	50.00%	27.60	25.40	24.70	20.70	23.60	22.90
FR1 n77 PC2	7	50.00%	27.00	27.00	27.00	23.40	24.10	23.40
FR1 n77 PC2	1	50.00%	27.60	25.00	24.30	26.30	27.00	26.30
FR1 n77 PC2	5	50.00%	27.00	18.10	17.40	22.10	24.30	23.60
FR1 n77 PC1.5	1	25.00%	26.10	26.10	26.10	26.10	26.10	26.10
FR1 n77 PC1.5	6	25.00%	26.10	26.10	26.10	23.70	26.10	25.90
FR1 n77 PC1.5	7	25.00%	25.50	25.50	25.50	25.50	25.50	25.50
FR1 n77 PC1.5	5	25.00%	25.50	21.10	20.40	25.10	25.50	25.50
FR1 n78 PC3	6	100.00%	24.10	22.20	21.50	17.50	20.40	19.70
FR1 n78 PC3	7	100.00%	23.50	23.50	23.50	20.40	21.10	20.40
FR1 n78 PC3	5	100.00%	23.50	15.10	14.40	19.10	21.30	20.60
FR1 n78 PC3	1	100.00%	24.10	19.20	18.50	21.00	23.80	23.10
FR1 n78 PC2	6	50.00%	27.60	25.20	24.50	20.50	23.40	22.70
FR1 n78 PC2	7	50.00%	27.00	27.00	27.00	23.40	24.10	23.40

<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

<Power index 0>

<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	22.50
		6	2437	22.50
		11	2462	22.50
		12	2467	22.50
		13	2472	21.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	22.50
		6	2437	22.50
		11	2462	22.50
		12	2467	22.50
		13	2472	20.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11g 6Mbps	1	2412	21.00	21.00	24.0
		6	2437	22.00	22.00	25.0
		11	2462	19.50	19.50	22.5
		12	2467	15.50	15.50	18.5
		13	2472	13.00	13.00	16.0
	802.11n-HT20 MCS0	1	2412	20.00	20.00	23.0
		6	2437	21.00	21.00	24.0
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	1	2412	20.00	20.00	23.0
		6	2437	21.00	21.00	24.0
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ax-HE20 MCS0	1	2412	20.00	20.00	23.0
		6	2437	21.00	21.00	24.0
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11be EHT20	1	2412	20.00	20.00	23.0
		6	2437	21.00	21.00	24.0
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0

<5GHz WLAN>

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.50	19.50	22.5
		40	5200	20.00	20.00	23.0
		44	5220	20.00	20.00	23.0
		48	5240	20.00	20.00	23.0
	802.11n-HT20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	21.00	21.00	24.0
		44	5220	21.00	21.00	24.0
		48	5240	21.00	21.00	24.0
	802.11n-HT40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	20.00	20.00	23.0
	802.11ac-VHT20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	21.00	21.00	24.0
		44	5220	21.00	21.00	24.0
		48	5240	21.00	21.00	24.0
	802.11ac-VHT40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	20.00	20.00	23.0
	802.11ac-VHT80 MCS0	42	5210	16.50	16.50	19.5
	802.11ax-HE20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	21.00	21.00	24.0
		44	5220	21.00	21.00	24.0
		48	5240	21.00	21.00	24.0
	802.11ax-HE40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	20.00	20.00	23.0
	802.11ax-HE80 MCS0	42	5210	16.50	16.50	19.5
	802.11be-EHT20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	21.00	21.00	24.0
		44	5220	21.00	21.00	24.0
		48	5240	21.00	21.00	24.0
	802.11be-EHT40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	20.00	20.00	23.0
	802.11be-EHT80 MCS0	42	5210	16.50	16.50	19.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	21.0	21.0	24.0
		56	5280	21.0	21.0	24.0
		60	5300	21.0	21.0	24.0
		64	5320	19.0	19.0	22.0
	802.11n-HT20 MCS0	52	5260	21.0	21.0	24.0
		56	5280	21.0	21.0	24.0
		60	5300	21.0	21.0	24.0
		64	5320	19.0	19.0	22.0
	802.11n-HT40 MCS0	54	5270	20.0	20.0	23.0
		62	5310	17.0	17.0	20.0
	802.11ac-VHT20 MCS0	52	5260	21.0	21.0	24.0
		56	5280	21.0	21.0	24.0
		60	5300	21.0	21.0	24.0
		64	5320	19.0	19.0	22.0
	802.11ac-VHT40 MCS0	54	5270	20.0	20.0	23.0
		62	5310	17.0	17.0	20.0
	802.11ac-VHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11ac-VHT160 MCS0	50	5250	15.0	15.0	18.0
	802.11ax-HE20 MCS0	52	5260	21.0	21.0	24.0
		56	5280	21.0	21.0	24.0
		60	5300	21.0	21.0	24.0
		64	5320	19.0	19.0	22.0
	802.11ax-HE40 MCS0	54	5270	20.0	20.0	23.0
		62	5310	17.0	17.0	20.0
	802.11ax-HE80 MCS0	58	5290	16.5	16.5	19.5
	802.11ax-HE160 MCS0	50	5250	15.0	15.0	18.0
	802.11be-EHT20 MCS0	52	5260	21.0	21.0	24.0
		56	5280	21.0	21.0	24.0
		60	5300	21.0	21.0	24.0
		64	5320	19.0	19.0	22.0
	802.11be-EHT40 MCS0	54	5270	20.0	20.0	23.0
		62	5310	17.0	17.0	20.0
	802.11be-EHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11be-EHT160 MCS0	50	5250	15.0	15.0	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	21.0	21.0	24.0
		116	5580	21.0	21.0	24.0
		124	5620	21.0	21.0	24.0
		132	5660	21.0	21.0	24.0
		144	5720	21.0	21.0	24.0
	802.11n-HT20 MCS0	100	5500	21.0	21.0	24.0
		116	5580	21.0	21.0	24.0
		124	5620	21.0	21.0	24.0
		132	5660	21.0	21.0	24.0
		144	5720	21.0	21.0	24.0
	802.11n-HT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	20.0	20.0	23.0
		126	5630	20.0	20.0	23.0
		134	5670	20.0	20.0	23.0
		142	5710	20.0	20.0	23.0
	802.11ac-VHT20 MCS0	100	5500	21.0	21.0	24.0
		116	5580	21.0	21.0	24.0
		124	5620	21.0	21.0	24.0
		132	5660	21.0	21.0	24.0
		144	5720	21.0	21.0	24.0
	802.11ac-VHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	20.0	20.0	23.0
		126	5630	20.0	20.0	23.0
		134	5670	20.0	20.0	23.0
		142	5710	20.0	20.0	23.0
	802.11ac-VHT80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	20.0	20.0	23.0
		138	5690	20.0	20.0	23.0
	802.11ac-VHT160 MCS0	114	5570	15.0	15.0	18.0
	802.11ax-HE20 MCS0	100	5500	21.0	21.0	24.0
		116	5580	21.0	21.0	24.0
		124	5620	21.0	21.0	24.0
		132	5660	21.0	21.0	24.0
		144	5720	21.0	21.0	24.0
	802.11ax-HE40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	20.0	20.0	23.0
		126	5630	20.0	20.0	23.0
		134	5670	20.0	20.0	23.0
		142	5710	20.0	20.0	23.0
	802.11ax-HE80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	20.0	20.0	23.0
		138	5690	20.0	20.0	23.0
	802.11ax-HE160 MCS0	114	5570	15.0	15.0	18.0
	802.11be-EHT20 MCS0	100	5500	21.0	21.0	24.0
		116	5580	21.0	21.0	24.0
		124	5620	21.0	21.0	24.0
		132	5660	21.0	21.0	24.0
		144	5720	21.0	21.0	24.0
	802.11be-EHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	20.0	20.0	23.0
		126	5630	20.0	20.0	23.0
		134	5670	20.0	20.0	23.0
		142	5710	20.0	20.0	23.0
	802.11be-EHT80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	20.0	20.0	23.0
		138	5690	20.0	20.0	23.0
	802.11be-EHT160 MCS0	114	5570	15.0	15.0	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	21.00	21.00	24.0
		157	5785	21.00	21.00	24.0
		165	5825	21.00	21.00	24.0
	802.11n-HT20 MCS0	149	5745	21.00	21.00	24.0
		157	5785	21.00	21.00	24.0
		165	5825	21.00	21.00	24.0
	802.11n-HT40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11ac-VHT20 MCS0	149	5745	21.00	21.00	24.0
		157	5785	21.00	21.00	24.0
		165	5825	21.00	21.00	24.0
	802.11ac-VHT40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11ac-VHT80 MCS0	155	5775	20.00	20.00	23.0
	802.11ax-HE20 MCS0	149	5745	21.00	21.00	24.0
		157	5785	21.00	21.00	24.0
		165	5825	21.00	21.00	24.0
	802.11ax-HE40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11ax-HE80 MCS0	155	5775	20.00	20.00	23.0
	802.11be-EHT20 MCS0	149	5745	21.00	21.00	24.0
		157	5785	21.00	21.00	24.0
		165	5825	21.00	21.00	24.0
	802.11be-EHT40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11be-EHT80 MCS0	155	5775	20.00	20.00	23.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.8GHz WLAN UNII 4	802.11a 6Mbps	169	5845	21.00	21.00	24.0
		173	5865	21.00	21.00	24.0
		177	5885	21.00	21.00	24.0
	802.11n-HT20 MCS0	169	5845	21.00	21.00	24.0
		173	5865	21.00	21.00	24.0
		177	5885	21.00	21.00	24.0
	802.11n-HT40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11ac-VHT20 MCS0	169	5845	21.00	21.00	24.0
		173	5865	21.00	21.00	24.0
		177	5885	21.00	21.00	24.0
	802.11ac-VHT40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11ac-VHT80 MCS0	171	5855	20.00	20.00	23.0
	802.11ac-VHT160 MCS0	163	5815	19.00	19.00	22.0
	802.11ax-HE20 MCS0	169	5845	21.00	21.00	24.0
		173	5865	21.00	21.00	24.0
		177	5885	21.00	21.00	24.0
	802.11ax-HE40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11ax-HE80 MCS0	171	5855	20.00	20.00	23.0
	802.11ax-HE160 MCS0	163	5815	19.00	19.00	22.0
	802.11be-EHT20 MCS0	169	5845	21.00	21.00	24.0
		173	5865	21.00	21.00	24.0
		177	5885	21.00	21.00	24.0
	802.11be-EHT40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11be-EHT80 MCS0	171	5855	20.00	20.00	23.0
	802.11be-EHT160 MCS0	163	5815	19.00	19.00	22.0

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Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.00
		6	2437	15.00
		11	2462	15.00
		12	2467	15.00
		13	2472	15.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.00
		6	2437	15.00
		11	2462	15.00
		12	2467	15.00
		13	2472	15.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11g 6Mbps	1	2412	15.00	15.00	18.00
		6	2437	15.00	15.00	18.00
		11	2462	15.00	15.00	18.00
		12	2467	15.00	15.00	18.00
		13	2472	13.00	13.00	16.00
	802.11n-HT20 MCS0	1	2412	15.00	15.00	18.00
		6	2437	15.00	15.00	18.00
		11	2462	15.00	15.00	18.00
		12	2467	15.00	15.00	18.00
		13	2472	12.00	12.00	15.01
	802.11ac-VHT20 MCS0	1	2412	15.00	15.00	18.00
		6	2437	15.00	15.00	18.00
		11	2462	15.00	15.00	18.00
		12	2467	15.00	15.00	18.00
		13	2472	12.00	12.00	15.01
	802.11ax-HE20 MCS0	1	2412	15.00	15.00	18.00
		6	2437	15.00	15.00	18.00
		11	2462	15.00	15.00	18.00
		12	2467	15.00	15.00	18.00
		13	2472	12.00	12.00	15.01
	802.11be EHT20	3	2422	15.00	15.00	18.00
		6	2437	15.00	15.00	18.00
		9	2452	15.00	15.00	18.00
		10	2457	15.00	15.00	18.00
		11	2462	12.00	12.00	15.01

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11n-HT20 MCS0	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11n-HT40 MCS0	38	5190	13.50	13.50	16.50
		46	5230	13.50	13.50	16.50
	802.11ac-VHT20 MCS0	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11ac-VHT40 MCS0	38	5190	13.50	13.50	16.50
		46	5230	13.50	13.50	16.50
	802.11ac-VHT80 MCS0	42	5210	13.50	13.50	16.50
	802.11ax-HE20 MCS0	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11ax-HE40 MCS0	38	5190	13.50	13.50	16.50
		46	5230	13.50	13.50	16.50
	802.11ax-HE80 MCS0	42	5210	13.50	13.50	16.50
	802.11be-EHT20 MCS0	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11be-EHT40 MCS0	38	5190	13.50	13.50	16.50
		46	5230	13.50	13.50	16.50
	802.11be-EHT80 MCS0	42	5210	13.50	13.50	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11n-HT20 MCS0	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11n-HT40 MCS0	54	5270	13.50	13.50	16.50
		62	5310	13.50	13.50	16.50
	802.11ac-VHT20 MCS0	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11ac-VHT40 MCS0	54	5270	13.50	13.50	16.50
		62	5310	13.50	13.50	16.50
	802.11ac-VHT80 MCS0	58	5290	13.50	13.50	16.50
	802.11ac-VHT160 MCS0	50	5250	13.50	13.50	16.50
	802.11ax-HE20 MCS0	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11ax-HE40 MCS0	54	5270	13.50	13.50	16.50
		62	5310	13.50	13.50	16.50
	802.11ax-HE80 MCS0	58	5290	13.50	13.50	16.50
	802.11ax-HE160 MCS0	50	5250	13.50	13.50	16.50
	802.11be-EHT20 MCS0	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11be-EHT40 MCS0	54	5270	13.50	13.50	16.50
		62	5310	13.50	13.50	16.50
	802.11be-EHT80 MCS0	58	5290	13.50	13.50	16.50
	802.11be-EHT160 MCS0	50	5250	13.50	13.50	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		132	5660	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11n-HT20 MCS0	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		132	5660	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11n-HT40 MCS0	102	5510	15.00	15.00	18.00
		110	5550	15.00	15.00	18.00
		134	5670	15.00	15.00	18.00
		142	5710	15.00	15.00	18.00
	802.11ac-VHT20 MCS0	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11ac-VHT40 MCS0	102	5510	15.00	15.00	18.00
		110	5550	15.00	15.00	18.00
		126	5630	15.00	15.00	18.00
		134	5670	15.00	15.00	18.00
		142	5710	15.00	15.00	18.00
	802.11ac-VHT80 MCS0	106	5530	15.00	15.00	18.00
		122	5610	15.00	15.00	18.00
		138	5690	15.00	15.00	18.00
	802.11ac-VHT160 MCS0	114	5570	15.00	15.00	18.00
	802.11ax-HE20 MCS0	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		132	5660	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11ax-HE40 MCS0	102	5510	15.00	15.00	18.00
		110	5550	15.00	15.00	18.00
		126	5630	15.00	15.00	18.00
		134	5670	15.00	15.00	18.00
		142	5710	15.00	15.00	18.00
	802.11ax-HE80 MCS0	106	5530	15.00	15.00	18.00
		122	5610	15.00	15.00	18.00
		138	5690	15.00	15.00	18.00
	802.11be-EHT20 MCS0	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		132	5660	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11be-EHT40 MCS0	102	5510	15.00	15.00	18.00
		110	5550	15.00	15.00	18.00
		126	5630	15.00	15.00	18.00
		134	5670	15.00	15.00	18.00
		142	5710	15.00	15.00	18.00
	802.11be-EHT80 MCS0	106	5530	15.00	15.00	18.00
		122	5610	15.00	15.00	18.00
		138	5690	15.00	15.00	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11n-HT20 MCS0	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11n-HT40 MCS0	151	5755	16.00	16.00	19.00
		159	5795	16.00	16.00	19.00
	802.11ac-VHT20 MCS0	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11ac-VHT40 MCS0	151	5755	16.00	16.00	19.00
		159	5795	16.00	16.00	19.00
	802.11ac-VHT80 MCS0	155	5775	16.00	16.00	19.00
	802.11ax-HE20 MCS0	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11ax-HE40 MCS0	151	5755	16.00	16.00	19.00
		159	5795	16.00	16.00	19.00
	802.11ax-HE80 MCS0	155	5775	16.00	16.00	19.00
	802.11be-EHT20 MCS0	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11be-EHT40 MCS0	151	5755	16.00	16.00	19.00
		159	5795	16.00	16.00	19.00
	802.11be-EHT80 MCS0	155	5775	16.00	16.00	19.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11n-HT20 MCS0	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11n-HT40 MCS0	167	5835	16.00	16.00	19.00
		175	5875	16.00	16.00	19.00
	802.11ac-VHT20 MCS0	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11ac-VHT40 MCS0	167	5835	16.00	16.00	19.00
		175	5875	16.00	16.00	19.00
	802.11ac-VHT80 MCS0	171	5855	16.00	16.00	19.00
	802.11ac-VHT160 MCS0	163	5815	16.00	16.00	19.00
	802.11ax-HE20 MCS0	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11ax-HE40 MCS0	167	5835	16.00	16.00	19.00
		175	5875	16.00	16.00	19.00
	802.11ax-HE80 MCS0	171	5855	16.00	16.00	19.00
	802.11ax-HE160 MCS0	163	5815	16.00	16.00	19.00
	802.11be-EHT20 MCS0	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11be-EHT40 MCS0	167	5835	16.00	16.00	19.00
		175	5875	16.00	16.00	19.00
	802.11be-EHT80 MCS0	171	5855	16.00	16.00	19.00
	802.11be-EHT160 MCS0	163	5815	16.00	16.00	19.00

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

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

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11g 6Mbps	1	2412	14.00	14.00	17.00
		6	2437	14.00	14.00	17.00
		11	2462	14.00	14.00	17.00
		12	2467	14.00	14.00	17.00
		13	2472	13.00	13.00	16.00
	802.11n-HT20 MCS0	1	2412	14.00	14.00	17.00
		6	2437	14.00	14.00	17.00
		11	2462	14.00	14.00	17.00
		12	2467	14.00	14.00	17.00
		13	2472	12.00	12.00	15.01
	802.11ac-VHT20 MCS0	1	2412	14.00	14.00	17.00
		6	2437	14.00	14.00	17.00
		11	2462	14.00	14.00	17.00
		12	2467	14.00	14.00	17.00
		13	2472	12.00	12.00	15.01
	802.11ax-HE20 MCS0	1	2412	14.00	14.00	17.00
		6	2437	14.00	14.00	17.00
		11	2462	14.00	14.00	17.00
		12	2467	14.00	14.00	17.00
		13	2472	12.00	12.00	15.01
	802.11be EHT20	1	2412	14.00	14.00	17.00
		6	2437	14.00	14.00	17.00
		11	2462	14.00	14.00	17.00
		12	2467	14.00	14.00	17.00
		13	2472	12.00	12.00	15.01

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11n-HT20 MCS0	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11n-HT40 MCS0	38	5190	13.50	13.50	16.50
		46	5230	13.50	13.50	16.50
	802.11ac-VHT20 MCS0	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11ac-VHT40 MCS0	38	5190	13.50	13.50	16.50
		46	5230	13.50	13.50	16.50
	802.11ac-VHT80 MCS0	42	5210	13.50	13.50	16.50
	802.11ax-HE20 MCS0	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11ax-HE40 MCS0	38	5190	13.50	13.50	16.50
		46	5230	13.50	13.50	16.50
	802.11ax-HE80 MCS0	42	5210	13.50	13.50	16.50
	802.11be-EHT20 MCS0	36	5180	13.50	13.50	16.50
		40	5200	13.50	13.50	16.50
		44	5220	13.50	13.50	16.50
		48	5240	13.50	13.50	16.50
	802.11be-EHT40 MCS0	38	5190	13.50	13.50	16.50
		46	5230	13.50	13.50	16.50
	802.11be-EHT80 MCS0	42	5210	13.50	13.50	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11n-HT20 MCS0	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11n-HT40 MCS0	54	5270	13.50	13.50	16.50
		62	5310	13.50	13.50	16.50
	802.11ac-VHT20 MCS0	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11ac-VHT40 MCS0	54	5270	13.50	13.50	16.50
		62	5310	13.50	13.50	16.50
	802.11ac-VHT80 MCS0	58	5290	13.50	13.50	16.50
	802.11ac-VHT160 MCS0	50	5250	13.50	13.50	16.50
	802.11ax-HE20 MCS0	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11ax-HE40 MCS0	54	5270	13.50	13.50	16.50
		62	5310	13.50	13.50	16.50
	802.11ax-HE80 MCS0	58	5290	13.50	13.50	16.50
	802.11ax-HE160 MCS0	50	5250	13.50	13.50	16.50
	802.11be-EHT20 MCS0	52	5260	13.50	13.50	16.50
		56	5280	13.50	13.50	16.50
		60	5300	13.50	13.50	16.50
		64	5320	13.50	13.50	16.50
	802.11be-EHT40 MCS0	54	5270	13.50	13.50	16.50
		62	5310	13.50	13.50	16.50
	802.11be-EHT80 MCS0	58	5290	13.50	13.50	16.50
	802.11be-EHT160 MCS0	50	5250	13.50	13.50	16.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		132	5660	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11n-HT20 MCS0	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		132	5660	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11n-HT40 MCS0	102	5510	15.00	15.00	18.00
		110	5550	15.00	15.00	18.00
		134	5670	15.00	15.00	18.00
		142	5710	15.00	15.00	18.00
	802.11ac-VHT20 MCS0	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11ac-VHT40 MCS0	102	5510	15.00	15.00	18.00
		110	5550	15.00	15.00	18.00
		126	5630	15.00	15.00	18.00
		134	5670	15.00	15.00	18.00
		142	5710	15.00	15.00	18.00
	802.11ac-VHT80 MCS0	106	5530	15.00	15.00	18.00
		122	5610	15.00	15.00	18.00
		138	5690	15.00	15.00	18.00
	802.11ac-VHT160 MCS0	114	5570	15.00	15.00	18.00
	802.11ax-HE20 MCS0	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		132	5660	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11ax-HE40 MCS0	102	5510	15.00	15.00	18.00
		110	5550	15.00	15.00	18.00
		126	5630	15.00	15.00	18.00
		134	5670	15.00	15.00	18.00
		142	5710	15.00	15.00	18.00
	802.11ax-HE80 MCS0	106	5530	15.00	15.00	18.00
		122	5610	15.00	15.00	18.00
		138	5690	15.00	15.00	18.00
	802.11be-EHT20 MCS0	100	5500	15.00	15.00	18.00
		116	5580	15.00	15.00	18.00
		124	5620	15.00	15.00	18.00
		132	5660	15.00	15.00	18.00
		144	5720	15.00	15.00	18.00
	802.11be-EHT40 MCS0	102	5510	15.00	15.00	18.00
		110	5550	15.00	15.00	18.00
		126	5630	15.00	15.00	18.00
		134	5670	15.00	15.00	18.00
		142	5710	15.00	15.00	18.00
	802.11be-EHT80 MCS0	106	5530	15.00	15.00	18.00
		122	5610	15.00	15.00	18.00
		138	5690	15.00	15.00	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11n-HT20 MCS0	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11n-HT40 MCS0	151	5755	16.00	16.00	19.00
		159	5795	16.00	16.00	19.00
	802.11ac-VHT20 MCS0	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11ac-VHT40 MCS0	151	5755	16.00	16.00	19.00
		159	5795	16.00	16.00	19.00
	802.11ac-VHT80 MCS0	155	5775	16.00	16.00	19.00
	802.11ax-HE20 MCS0	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11ax-HE40 MCS0	151	5755	16.00	16.00	19.00
		159	5795	16.00	16.00	19.00
	802.11ax-HE80 MCS0	155	5775	16.00	16.00	19.00
	802.11be-EHT20 MCS0	149	5745	16.00	16.00	19.00
		157	5785	16.00	16.00	19.00
		165	5825	16.00	16.00	19.00
	802.11be-EHT40 MCS0	151	5755	16.00	16.00	19.00
		159	5795	16.00	16.00	19.00
	802.11be-EHT80 MCS0	155	5775	16.00	16.00	19.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11n-HT20 MCS0	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11n-HT40 MCS0	167	5835	16.00	16.00	19.00
		175	5875	16.00	16.00	19.00
	802.11ac-VHT20 MCS0	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11ac-VHT40 MCS0	167	5835	16.00	16.00	19.00
		175	5875	16.00	16.00	19.00
	802.11ac-VHT80 MCS0	171	5855	16.00	16.00	19.00
	802.11ac-VHT160 MCS0	163	5815	16.00	16.00	19.00
	802.11ax-HE20 MCS0	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11ax-HE40 MCS0	167	5835	16.00	16.00	19.00
		175	5875	16.00	16.00	19.00
	802.11ax-HE80 MCS0	171	5855	16.00	16.00	19.00
	802.11ax-HE160 MCS0	163	5815	16.00	16.00	19.00
	802.11be-EHT20 MCS0	169	5845	16.00	16.00	19.00
		173	5865	16.00	16.00	19.00
		177	5885	16.00	16.00	19.00
	802.11be-EHT40 MCS0	167	5835	16.00	16.00	19.00
		175	5875	16.00	16.00	19.00
	802.11be-EHT80 MCS0	171	5855	16.00	16.00	19.00
	802.11be-EHT160 MCS0	163	5815	16.00	16.00	19.00

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Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	12.00
		6	2437	12.00
		11	2462	12.00
		12	2467	12.00
		13	2472	12.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	12.00
		6	2437	12.00
		11	2462	12.00
		12	2467	12.00
		13	2472	12.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11g 6Mbps	1	2412	12.00	12.00	15.00
		6	2437	12.00	12.00	15.00
		11	2462	12.00	12.00	15.00
		12	2467	12.00	12.00	15.00
		13	2472	12.00	12.00	15.00
	802.11n-HT20 MCS0	1	2412	12.00	12.00	15.00
		6	2437	12.00	12.00	15.00
		11	2462	12.00	12.00	15.00
		12	2467	12.00	12.00	15.00
		13	2472	12.00	12.00	15.00
	802.11ac-VHT20 MCS0	1	2412	12.00	12.00	15.00
		6	2437	12.00	12.00	15.00
		11	2462	12.00	12.00	15.00
		12	2467	12.00	12.00	15.00
		13	2472	12.00	12.00	15.00
	802.11ax-HE20 MCS0	1	2412	12.00	12.00	15.00
		6	2437	12.00	12.00	15.00
		11	2462	12.00	12.00	15.00
		12	2467	12.00	12.00	15.00
		13	2472	12.00	12.00	15.00
	802.11be EHT20	1	2412	12.00	12.00	15.00
		6	2437	12.00	12.00	15.00
		11	2462	12.00	12.00	15.00
		12	2467	12.00	12.00	15.00
		13	2472	12.00	12.00	15.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11n-HT20 MCS0	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11n-HT40 MCS0	38	5190	12.00	12.00	15.00
		46	5230	12.00	12.00	15.00
	802.11ac-VHT20 MCS0	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11ac-VHT40 MCS0	38	5190	12.00	12.00	15.00
		46	5230	12.00	12.00	15.00
	802.11ac-VHT80 MCS0	42	5210	12.00	12.00	15.00
	802.11ax-HE20 MCS0	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11ax-HE40 MCS0	38	5190	12.00	12.00	15.00
		46	5230	12.00	12.00	15.00
	802.11ax-HE80 MCS0	42	5210	12.00	12.00	15.00
	802.11be-EHT20 MCS0	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11be-EHT40 MCS0	38	5190	12.00	12.00	15.00
		46	5230	12.00	12.00	15.00
	802.11be-EHT80 MCS0	42	5210	12.00	12.00	15.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11n-HT20 MCS0	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11n-HT40 MCS0	54	5270	12.00	12.00	15.00
		62	5310	12.00	12.00	15.00
	802.11ac-VHT20 MCS0	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11ac-VHT40 MCS0	54	5270	12.00	12.00	15.00
		62	5310	12.00	12.00	15.00
	802.11ac-VHT80 MCS0	58	5290	12.00	12.00	15.00
	802.11ac-VHT160 MCS0	50	5250	12.00	12.00	15.00
	802.11ax-HE20 MCS0	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11ax-HE40 MCS0	54	5270	12.00	12.00	15.00
		62	5310	12.00	12.00	15.00
	802.11ax-HE80 MCS0	58	5290	12.00	12.00	15.00
	802.11ax-HE160 MCS0	50	5250	12.00	12.00	15.00
	802.11be-EHT20 MCS0	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11be-EHT40 MCS0	54	5270	12.00	12.00	15.00
		62	5310	12.00	12.00	15.00
	802.11be-EHT80 MCS0	58	5290	12.00	12.00	15.00
	802.11be-EHT160 MCS0	50	5250	12.00	12.00	15.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		132	5660	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11n-HT20 MCS0	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		132	5660	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11n-HT40 MCS0	102	5510	11.50	11.50	14.50
		110	5550	11.50	11.50	14.50
		134	5670	11.50	11.50	14.50
		142	5710	11.50	11.50	14.50
	802.11ac-VHT20 MCS0	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11ac-VHT40 MCS0	102	5510	11.50	11.50	14.50
		110	5550	11.50	11.50	14.50
		126	5630	11.50	11.50	14.50
		134	5670	11.50	11.50	14.50
		142	5710	11.50	11.50	14.50
	802.11ac-VHT80 MCS0	106	5530	11.50	11.50	14.50
		122	5610	11.50	11.50	14.50
		138	5690	11.50	11.50	14.50
	802.11ac-VHT160 MCS0	114	5570	11.50	11.50	14.50
	802.11ax-HE20 MCS0	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		132	5660	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11ax-HE40 MCS0	102	5510	11.50	11.50	14.50
		110	5550	11.50	11.50	14.50
		126	5630	11.50	11.50	14.50
		134	5670	11.50	11.50	14.50
		142	5710	11.50	11.50	14.50
	802.11ax-HE80 MCS0	106	5530	11.50	11.50	14.50
		122	5610	11.50	11.50	14.50
		138	5690	11.50	11.50	14.50
	802.11be-EHT20 MCS0	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		132	5660	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11be-EHT40 MCS0	102	5510	11.50	11.50	14.50
		110	5550	11.50	11.50	14.50
		126	5630	11.50	11.50	14.50
		134	5670	11.50	11.50	14.50
		142	5710	11.50	11.50	14.50
	802.11be-EHT80 MCS0	106	5530	11.50	11.50	14.50
		122	5610	11.50	11.50	14.50
		138	5690	11.50	11.50	14.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11n-HT20 MCS0	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11n-HT40 MCS0	151	5755	12.50	12.50	15.50
		159	5795	12.50	12.50	15.50
	802.11ac-VHT20 MCS0	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11ac-VHT40 MCS0	151	5755	12.50	12.50	15.50
		159	5795	12.50	12.50	15.50
	802.11ac-VHT80 MCS0	155	5775	12.50	12.50	15.50
	802.11ax-HE20 MCS0	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11ax-HE40 MCS0	151	5755	12.50	12.50	15.50
		159	5795	12.50	12.50	15.50
	802.11ax-HE80 MCS0	155	5775	12.50	12.50	15.50
	802.11be-EHT20 MCS0	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11be-EHT40 MCS0	151	5755	12.50	12.50	15.50
		159	5795	12.50	12.50	15.50
	802.11be-EHT80 MCS0	155	5775	12.50	12.50	15.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11n-HT20 MCS0	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11n-HT40 MCS0	167	5835	12.50	12.50	15.50
		175	5875	12.50	12.50	15.50
	802.11ac-VHT20 MCS0	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11ac-VHT40 MCS0	167	5835	12.50	12.50	15.50
		175	5875	12.50	12.50	15.50
	802.11ac-VHT80 MCS0	171	5855	12.50	12.50	15.50
	802.11ac-VHT160 MCS0	163	5815	12.50	12.50	15.50
	802.11ax-HE20 MCS0	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11ax-HE40 MCS0	167	5835	12.50	12.50	15.50
		175	5875	12.50	12.50	15.50
	802.11ax-HE80 MCS0	171	5855	12.50	12.50	15.50
	802.11ax-HE160 MCS0	163	5815	12.50	12.50	15.50
	802.11be-EHT20 MCS0	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11be-EHT40 MCS0	167	5835	12.50	12.50	15.50
		175	5875	12.50	12.50	15.50
	802.11be-EHT80 MCS0	171	5855	12.50	12.50	15.50
	802.11be-EHT160 MCS0	163	5815	12.50	12.50	15.50

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Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	10.00
		6	2437	10.00
		11	2462	10.00
		12	2467	10.00
		13	2472	10.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	10.00
		6	2437	10.00
		11	2462	10.00
		12	2467	10.00
		13	2472	10.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
2.4GHz WLAN	802.11g 6Mbps	1	2412	10.00	10.00	13.00
		6	2437	10.00	10.00	13.00
		11	2462	10.00	10.00	13.00
		12	2467	10.00	10.00	13.00
		13	2472	10.00	10.00	13.00
	802.11n-HT20 MCS0	1	2412	10.00	10.00	13.00
		6	2437	10.00	10.00	13.00
		11	2462	10.00	10.00	13.00
		12	2467	10.00	10.00	13.00
		13	2472	10.00	10.00	13.00
	802.11ac-VHT20 MCS0	1	2412	10.00	10.00	13.00
		6	2437	10.00	10.00	13.00
		11	2462	10.00	10.00	13.00
		12	2467	10.00	10.00	13.00
		13	2472	10.00	10.00	13.00
	802.11ax-HE20 MCS0	1	2412	10.00	10.00	13.00
		6	2437	10.00	10.00	13.00
		11	2462	10.00	10.00	13.00
		12	2467	10.00	10.00	13.00
		13	2472	10.00	10.00	13.00
	802.11be EHT20	1	2412	10.00	10.00	13.00
		6	2437	10.00	10.00	13.00
		11	2462	10.00	10.00	13.00
		12	2467	10.00	10.00	13.00
		13	2472	10.00	10.00	13.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11n-HT20 MCS0	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11n-HT40 MCS0	38	5190	12.00	12.00	15.00
		46	5230	12.00	12.00	15.00
	802.11ac-VHT20 MCS0	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11ac-VHT40 MCS0	38	5190	12.00	12.00	15.00
		46	5230	12.00	12.00	15.00
	802.11ac-VHT80 MCS0	42	5210	12.00	12.00	15.00
	802.11ax-HE20 MCS0	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11ax-HE40 MCS0	38	5190	12.00	12.00	15.00
		46	5230	12.00	12.00	15.00
	802.11ax-HE80 MCS0	42	5210	12.00	12.00	15.00
	802.11be-EHT20 MCS0	36	5180	12.00	12.00	15.00
		40	5200	12.00	12.00	15.00
		44	5220	12.00	12.00	15.00
		48	5240	12.00	12.00	15.00
	802.11be-EHT40 MCS0	38	5190	12.00	12.00	15.00
		46	5230	12.00	12.00	15.00
	802.11be-EHT80 MCS0	42	5210	12.00	12.00	15.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11n-HT20 MCS0	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11n-HT40 MCS0	54	5270	12.00	12.00	15.00
		62	5310	12.00	12.00	15.00
	802.11ac-VHT20 MCS0	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11ac-VHT40 MCS0	54	5270	12.00	12.00	15.00
		62	5310	12.00	12.00	15.00
	802.11ac-VHT80 MCS0	58	5290	12.00	12.00	15.00
	802.11ac-VHT160 MCS0	50	5250	12.00	12.00	15.00
	802.11ax-HE20 MCS0	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11ax-HE40 MCS0	54	5270	12.00	12.00	15.00
		62	5310	12.00	12.00	15.00
	802.11ax-HE80 MCS0	58	5290	12.00	12.00	15.00
	802.11ax-HE160 MCS0	50	5250	12.00	12.00	15.00
	802.11be-EHT20 MCS0	52	5260	12.00	12.00	15.00
		56	5280	12.00	12.00	15.00
		60	5300	12.00	12.00	15.00
		64	5320	12.00	12.00	15.00
	802.11be-EHT40 MCS0	54	5270	12.00	12.00	15.00
		62	5310	12.00	12.00	15.00
	802.11be-EHT80 MCS0	58	5290	12.00	12.00	15.00
	802.11be-EHT160 MCS0	50	5250	12.00	12.00	15.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		132	5660	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11n-HT20 MCS0	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		132	5660	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11n-HT40 MCS0	102	5510	11.50	11.50	14.50
		110	5550	11.50	11.50	14.50
		134	5670	11.50	11.50	14.50
		142	5710	11.50	11.50	14.50
	802.11ac-VHT20 MCS0	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11ac-VHT40 MCS0	102	5510	11.50	11.50	14.50
		110	5550	11.50	11.50	14.50
		126	5630	11.50	11.50	14.50
		134	5670	11.50	11.50	14.50
		142	5710	11.50	11.50	14.50
	802.11ac-VHT80 MCS0	106	5530	11.50	11.50	14.50
		122	5610	11.50	11.50	14.50
		138	5690	11.50	11.50	14.50
	802.11ac-VHT160 MCS0	114	5570	11.50	11.50	14.50
	802.11ax-HE20 MCS0	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		132	5660	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11ax-HE40 MCS0	102	5510	11.50	11.50	14.50
		110	5550	11.50	11.50	14.50
		126	5630	11.50	11.50	14.50
		134	5670	11.50	11.50	14.50
		142	5710	11.50	11.50	14.50
	802.11ax-HE80 MCS0	106	5530	11.50	11.50	14.50
		122	5610	11.50	11.50	14.50
		138	5690	11.50	11.50	14.50
	802.11be-EHT20 MCS0	100	5500	11.50	11.50	14.50
		116	5580	11.50	11.50	14.50
		124	5620	11.50	11.50	14.50
		132	5660	11.50	11.50	14.50
		144	5720	11.50	11.50	14.50
	802.11be-EHT40 MCS0	102	5510	11.50	11.50	14.50
		110	5550	11.50	11.50	14.50
		126	5630	11.50	11.50	14.50
		134	5670	11.50	11.50	14.50
		142	5710	11.50	11.50	14.50
	802.11be-EHT80 MCS0	106	5530	11.50	11.50	14.50
		122	5610	11.50	11.50	14.50
		138	5690	11.50	11.50	14.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11n-HT20 MCS0	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11n-HT40 MCS0	151	5755	12.50	12.50	15.50
		159	5795	12.50	12.50	15.50
	802.11ac-VHT20 MCS0	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11ac-VHT40 MCS0	151	5755	12.50	12.50	15.50
		159	5795	12.50	12.50	15.50
	802.11ac-VHT80 MCS0	155	5775	12.50	12.50	15.50
	802.11ax-HE20 MCS0	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11ax-HE40 MCS0	151	5755	12.50	12.50	15.50
		159	5795	12.50	12.50	15.50
	802.11ax-HE80 MCS0	155	5775	12.50	12.50	15.50
	802.11be-EHT20 MCS0	149	5745	12.50	12.50	15.50
		157	5785	12.50	12.50	15.50
		165	5825	12.50	12.50	15.50
	802.11be-EHT40 MCS0	151	5755	12.50	12.50	15.50
		159	5795	12.50	12.50	15.50
	802.11be-EHT80 MCS0	155	5775	12.50	12.50	15.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11n-HT20 MCS0	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11n-HT40 MCS0	167	5835	12.50	12.50	15.50
		175	5875	12.50	12.50	15.50
	802.11ac-VHT20 MCS0	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11ac-VHT40 MCS0	167	5835	12.50	12.50	15.50
		175	5875	12.50	12.50	15.50
	802.11ac-VHT80 MCS0	171	5855	12.50	12.50	15.50
	802.11ac-VHT160 MCS0	163	5815	12.50	12.50	15.50
	802.11ax-HE20 MCS0	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11ax-HE40 MCS0	167	5835	12.50	12.50	15.50
		175	5875	12.50	12.50	15.50
	802.11ax-HE80 MCS0	171	5855	12.50	12.50	15.50
	802.11ax-HE160 MCS0	163	5815	12.50	12.50	15.50
	802.11be-EHT20 MCS0	169	5845	12.50	12.50	15.50
		173	5865	12.50	12.50	15.50
		177	5885	12.50	12.50	15.50
	802.11be-EHT40 MCS0	167	5835	12.50	12.50	15.50
		175	5875	12.50	12.50	15.50
	802.11be-EHT80 MCS0	171	5855	12.50	12.50	15.50
	802.11be-EHT160 MCS0	163	5815	12.50	12.50	15.50

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Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
Mode		Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.50
		6	2437	20.50
		11	2462	20.50
		12	2467	20.50
		13	2472	20.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
Mode		Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.50
		6	2437	20.50
		11	2462	20.50
		12	2467	20.50
		13	2472	20.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
Mode		Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
2.4GHz WLAN	802.11g 6Mbps	1	2412	20.50	20.50	23.50
		6	2437	20.50	20.50	23.50
		11	2462	19.50	19.50	22.50
		12	2467	15.50	15.50	18.50
		13	2472	13.00	13.00	16.00
	802.11n-HT20 MCS0	1	2412	20.00	20.00	23.0
		6	2437	20.50	20.50	23.5
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	1	2412	20.00	20.00	23.0
		6	2437	20.50	20.50	23.5
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ax-HE20 MCS0	1	2412	20.00	20.00	23.0
		6	2437	20.50	20.50	23.5
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11be EHT20	1	2412	20.00	20.00	23.0
		6	2437	20.50	20.50	23.5
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11n-HT20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11n-HT40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	42	5210	16.50	16.50	19.5
	802.11ax-HE20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11ax-HE40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	18.50	18.50	21.5
	802.11ax-HE80 MCS0	42	5210	16.50	16.50	19.5
	802.11be-EHT20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11be-EHT40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	18.50	18.50	21.5
	802.11be-EHT80 MCS0	42	5210	16.50	16.50	19.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.00	17.00	20.0
	802.11ac-VHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ac-VHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11ac-VHT160 MCS0	50	5250	15.0	15.0	18.0
	802.11ax-HE20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ax-HE40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ax-HE80 MCS0	58	5290	16.5	16.5	19.5
	802.11ax-HE160 MCS0	50	5250	15.0	15.0	18.0
	802.11be-EHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11be-EHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11be-EHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11be-EHT160 MCS0	50	5250	15.0	15.0	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	106	5530	16.50	16.50	19.50
		122	5610	18.50	18.50	21.50
		138	5690	18.50	18.50	21.50
	802.11ac-VHT160 MCS0	114	5570	15.0	15.0	18.0
	802.11ax-HE20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ax-HE40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ax-HE80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5
	802.11be-EHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11be-EHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11be-EHT80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
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	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11ac-VHT20 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
	802.11ac-VHT40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11ac-VHT80 MCS0	155	5775	20.00	20.00	23.0
	802.11ax-HE20 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
	802.11ax-HE40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11ax-HE80 MCS0	155	5775	20.00	20.00	23.0
	802.11be-EHT20 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
	802.11be-EHT40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11be-EHT80 MCS0	155	5775	20.00	20.00	23.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11n-HT20 MCS0	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11n-HT40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11ac-VHT20 MCS0	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11ac-VHT40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11ac-VHT80 MCS0	171	5855	20.00	20.00	23.0
	802.11ac-VHT160 MCS0	163	5815	19.00	19.00	22.0
	802.11ax-HE20 MCS0	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11ax-HE40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11ax-HE80 MCS0	171	5855	20.00	20.00	23.0
	802.11ax-HE160 MCS0	163	5815	19.00	19.00	22.0
	802.11be-EHT20 MCS0	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11be-EHT40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11be-EHT80 MCS0	171	5855	20.00	20.00	23.0
	802.11be-EHT160 MCS0	163	5815	19.00	19.00	22.0

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Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.50
		6	2437	20.50
		11	2462	20.50
		12	2467	20.50
		13	2472	20.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.50
		6	2437	20.50
		11	2462	20.50
		12	2467	20.50
		13	2472	20.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
2.4GHz WLAN	802.11g 6Mbps	1	2412	20.50	20.50	23.50
		6	2437	20.50	20.50	23.50
		11	2462	19.50	19.50	22.50
		12	2467	15.50	15.50	18.50
		13	2472	13.00	13.00	16.00
	802.11n-HT20 MCS0	1	2412	20.00	20.00	23.0
		6	2437	20.50	20.50	23.5
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	1	2412	20.00	20.00	23.0
		6	2437	20.50	20.50	23.5
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ax-HE20 MCS0	1	2412	20.00	20.00	23.0
		6	2437	20.50	20.50	23.5
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11be EHT20	1	2412	20.00	20.00	23.0
		6	2437	20.50	20.50	23.5
		11	2462	18.50	18.50	21.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11n-HT20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11n-HT40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	42	5210	16.50	16.50	19.5
	802.11ax-HE20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11ax-HE40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	18.50	18.50	21.5
	802.11ax-HE80 MCS0	42	5210	16.50	16.50	19.5
	802.11be-EHT20 MCS0	36	5180	18.50	18.50	21.5
		40	5200	18.50	18.50	21.5
		44	5220	18.50	18.50	21.5
		48	5240	18.50	18.50	21.5
	802.11be-EHT40 MCS0	38	5190	16.50	16.50	19.5
		46	5230	18.50	18.50	21.5
	802.11be-EHT80 MCS0	42	5210	16.50	16.50	19.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT40 MCS0	54	5270	18.50	18.50	21.50
		62	5310	17.00	17.00	20.0
	802.11ac-VHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ac-VHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11ac-VHT160 MCS0	50	5250	15.0	15.0	18.0
	802.11ax-HE20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ax-HE40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ax-HE80 MCS0	58	5290	16.5	16.5	19.5
	802.11ax-HE160 MCS0	50	5250	15.0	15.0	18.0
	802.11be-EHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11be-EHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11be-EHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11be-EHT160 MCS0	50	5250	15.0	15.0	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	106	5530	16.50	16.50	19.50
		122	5610	18.50	18.50	21.50
		138	5690	18.50	18.50	21.50
	802.11ac-VHT160 MCS0	114	5570	15.5	15.5	18.5
	802.11ax-HE20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ax-HE40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ax-HE80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5
	802.11be-EHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11be-EHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11be-EHT80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
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	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11ac-VHT20 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
	802.11ac-VHT40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11ac-VHT80 MCS0	155	5775	20.00	20.00	23.0
	802.11ax-HE20 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
	802.11ax-HE40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11ax-HE80 MCS0	155	5775	20.00	20.00	23.0
	802.11be-EHT20 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
	802.11be-EHT40 MCS0	151	5755	20.00	20.00	23.0
		159	5795	20.00	20.00	23.0
	802.11be-EHT80 MCS0	155	5775	20.00	20.00	23.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11n-HT20 MCS0	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11n-HT40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11ac-VHT20 MCS0	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11ac-VHT40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11ac-VHT80 MCS0	171	5855	20.00	20.00	23.0
	802.11ac-VHT160 MCS0	163	5815	19.00	19.00	22.0
	802.11ax-HE20 MCS0	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11ax-HE40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11ax-HE80 MCS0	171	5855	20.00	20.00	23.0
	802.11ax-HE160 MCS0	163	5815	19.00	19.00	22.0
	802.11be-EHT20 MCS0	169	5845	20.00	20.00	23.0
		173	5865	20.00	20.00	23.0
		177	5885	20.00	20.00	23.0
	802.11be-EHT40 MCS0	167	5835	20.00	20.00	23.0
		175	5875	20.00	20.00	23.0
	802.11be-EHT80 MCS0	171	5855	20.00	20.00	23.0
	802.11be-EHT160 MCS0	163	5815	19.00	19.00	22.0

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Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.00
		6	2437	18.00
		11	2462	18.00
		12	2467	18.00
		13	2472	18.00

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.00
		6	2437	18.00
		11	2462	18.00
		12	2467	18.00
		13	2472	18.00

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
2.4GHz WLAN	802.11g 6Mbps	1	2412	18.00	18.00	21.00
		6	2437	18.00	18.00	21.00
		11	2462	18.00	18.00	21.00
		12	2467	15.50	15.50	18.50
		13	2472	13.00	13.00	16.00
	802.11n-HT20 MCS0	1	2412	18.00	18.00	21.0
		6	2437	18.00	18.00	21.0
		11	2462	18.00	18.00	21.0
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	1	2412	18.00	18.00	21.0
		6	2437	18.00	18.00	21.0
		11	2462	18.00	18.00	21.0
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ax-HE20 MCS0	1	2412	18.00	18.00	21.0
		6	2437	18.00	18.00	21.0
		11	2462	18.00	18.00	21.0
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11be EHT20	1	2412	18.00	18.00	21.0
		6	2437	18.00	18.00	21.0
		11	2462	18.00	18.00	21.0
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11n-HT20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11n-HT40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11ac-VHT20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11ac-VHT40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11ac-VHT80 MCS0	42	5210	15.00	15.00	18.0
	802.11ax-HE20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11ax-HE40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11ax-HE80 MCS0	42	5210	15.00	15.00	18.0
	802.11be-EHT20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11be-EHT40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11be-EHT80 MCS0	42	5210	15.00	15.00	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT40 MCS0	54	5270	18.50	18.50	21.50
		62	5310	17.00	17.00	20
	802.11ac-VHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ac-VHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11ac-VHT160 MCS0	50	5250	15.0	15.0	18.0
	802.11ax-HE20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ax-HE40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ax-HE80 MCS0	58	5290	16.5	16.5	19.5
	802.11ax-HE160 MCS0	50	5250	15.0	15.0	18.0
	802.11be-EHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11be-EHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11be-EHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11be-EHT160 MCS0	50	5250	15.0	15.0	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	106	5530	16.50	16.50	19.50
		122	5610	18.50	18.50	21.50
		138	5690	18.50	18.50	21.50
	802.11ac-VHT160 MCS0	114	5570	15.5	15.5	18.5
	802.11ax-HE20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ax-HE40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ax-HE80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5
	802.11be-EHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11be-EHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11be-EHT80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
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	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	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	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	155	5775	18.50	18.50	21.5
	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	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	802.11ax-HE80 MCS0	155	5775	18.50	18.50	21.5
	802.11be-EHT20 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
	802.11be-EHT40 MCS0	151	5755	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	802.11be-EHT80 MCS0	155	5775	18.50	18.50	21.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11n-HT20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11n-HT40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	171	5855	18.50	18.50	21.5
	802.11ac-VHT160 MCS0	163	5815	18.50	18.50	21.5
	802.11ax-HE20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11ax-HE40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11ax-HE80 MCS0	171	5855	18.50	18.50	21.5
	802.11ax-HE160 MCS0	163	5815	18.50	18.50	21.5
	802.11be-EHT20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11be-EHT40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11be-EHT80 MCS0	171	5855	18.50	18.50	21.5
	802.11be-EHT160 MCS0	163	5815	18.50	18.50	21.5

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Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 3
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.50
		6	2437	15.50
		11	2462	15.50
		12	2467	15.50
		13	2472	15.50

Burst Average Power (dBm)				
Transmit Antenna				SISO Ant 4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.50
		6	2437	15.50
		11	2462	15.50
		12	2467	15.50
		13	2472	15.50

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
2.4GHz WLAN	802.11g 6Mbps	1	2412	15.50	15.50	18.50
		6	2437	15.50	15.50	18.50
		11	2462	15.50	15.50	18.50
		12	2467	15.50	15.50	18.50
		13	2472	15.50	15.50	18.50
	802.11n-HT20 MCS0	1	2412	15.50	15.50	18.5
		6	2437	15.50	15.50	18.5
		11	2462	15.50	15.50	18.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ac-VHT20 MCS0	1	2412	15.50	15.50	18.5
		6	2437	15.50	15.50	18.5
		11	2462	15.50	15.50	18.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11ax-HE20 MCS0	1	2412	15.50	15.50	18.5
		6	2437	15.50	15.50	18.5
		11	2462	15.50	15.50	18.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0
	802.11be EHT20	1	2412	15.50	15.50	18.5
		6	2437	15.50	15.50	18.5
		11	2462	15.50	15.50	18.5
		12	2467	15.50	15.50	18.5
		13	2472	12.00	12.00	15.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11n-HT20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11n-HT40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11ac-VHT20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11ac-VHT40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11ac-VHT80 MCS0	42	5210	15.00	15.00	18.00
	802.11ax-HE20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11ax-HE40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11ax-HE80 MCS0	42	5210	15.00	15.00	18.0
	802.11be-EHT20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11be-EHT40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11be-EHT80 MCS0	42	5210	15.00	15.00	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT40 MCS0	54	5270	18.50	18.50	21.50
		62	5310	17.00	17.00	20
	802.11ac-VHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ac-VHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11ac-VHT160 MCS0	50	5250	15.0	15.0	18.0
	802.11ax-HE20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ax-HE40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ax-HE80 MCS0	58	5290	16.5	16.5	19.5
	802.11ax-HE160 MCS0	50	5250	15.0	15.0	18.0
	802.11be-EHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11be-EHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11be-EHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11be-EHT160 MCS0	50	5250	15.0	15.0	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	106	5530	16.50	16.50	19.50
		122	5610	18.50	18.50	21.50
		138	5690	18.50	18.50	21.50
	802.11ac-VHT160 MCS0	114	5570	15.5	15.5	18.5
	802.11ax-HE20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ax-HE40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ax-HE80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5
	802.11be-EHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11be-EHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11be-EHT80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
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	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	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	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	155	5775	18.50	18.50	21.50
	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	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	802.11ax-HE80 MCS0	155	5775	18.50	18.50	21.5
	802.11be-EHT20 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
	802.11be-EHT40 MCS0	151	5755	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	802.11be-EHT80 MCS0	155	5775	18.50	18.50	21.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11n-HT20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11n-HT40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	171	5855	18.50	18.50	21.5
	802.11ac-VHT160 MCS0	163	5815	18.50	18.50	21.50
	802.11ax-HE20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11ax-HE40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11ax-HE80 MCS0	171	5855	18.50	18.50	21.5
	802.11ax-HE160 MCS0	163	5815	18.50	18.50	21.5
	802.11be-EHT20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11be-EHT40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11be-EHT80 MCS0	171	5855	18.50	18.50	21.5
	802.11be-EHT160 MCS0	163	5815	18.50	18.50	21.5

<Power index 9>

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11n-HT20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11n-HT40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11ac-VHT20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11ac-VHT40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11ac-VHT80 MCS0	42	5210	15.00	15.00	18.00
	802.11ax-HE20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11ax-HE40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11ax-HE80 MCS0	42	5210	15.00	15.00	18.0
	802.11be-EHT20 MCS0	36	5180	15.00	15.00	18.0
		40	5200	15.00	15.00	18.0
		44	5220	15.00	15.00	18.0
		48	5240	15.00	15.00	18.0
	802.11be-EHT40 MCS0	38	5190	15.00	15.00	18.0
		46	5230	15.00	15.00	18.0
	802.11be-EHT80 MCS0	42	5210	15.00	15.00	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11n-HT40 MCS0	54	5270	18.50	18.50	21.50
		62	5310	17.00	17.00	20.0
	802.11ac-VHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ac-VHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11ac-VHT160 MCS0	50	5250	15.0	15.0	18.0
	802.11ax-HE20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11ax-HE40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11ax-HE80 MCS0	58	5290	16.5	16.5	19.5
	802.11ax-HE160 MCS0	50	5250	15.0	15.0	18.0
	802.11be-EHT20 MCS0	52	5260	18.50	18.50	21.5
		56	5280	18.50	18.50	21.5
		60	5300	18.50	18.50	21.5
		64	5320	18.50	18.50	21.5
	802.11be-EHT40 MCS0	54	5270	18.50	18.50	21.5
		62	5310	17.0	17.0	20.0
	802.11be-EHT80 MCS0	58	5290	16.5	16.5	19.5
	802.11be-EHT160 MCS0	50	5250	15.0	15.0	18.0

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11n-HT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	106	5530	16.50	16.50	19.50
		122	5610	18.50	18.50	21.50
		138	5690	18.50	18.50	21.50
	802.11ac-VHT160 MCS0	114	5570	15.5	15.5	18.5
	802.11ax-HE20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11ax-HE40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11ax-HE80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5
	802.11be-EHT20 MCS0	100	5500	18.50	18.50	21.5
		116	5580	18.50	18.50	21.5
		124	5620	18.50	18.50	21.5
		132	5660	18.50	18.50	21.5
		144	5720	18.50	18.50	21.5
	802.11be-EHT40 MCS0	102	5510	18.0	18.0	21.0
		110	5550	18.50	18.50	21.5
		126	5630	18.50	18.50	21.5
		134	5670	18.50	18.50	21.5
		142	5710	18.50	18.50	21.5
	802.11be-EHT80 MCS0	106	5530	16.5	16.5	19.5
		122	5610	18.50	18.50	21.5
		138	5690	18.50	18.50	21.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
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	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	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	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	155	5775	18.50	18.50	21.50
	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	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	802.11ax-HE80 MCS0	155	5775	18.50	18.50	21.5
	802.11be-EHT20 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
	802.11be-EHT40 MCS0	151	5755	18.50	18.50	21.5
		159	5795	18.50	18.50	21.5
	802.11be-EHT80 MCS0	155	5775	18.50	18.50	21.5

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
				Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11n-HT20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11n-HT40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11ac-VHT20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11ac-VHT40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11ac-VHT80 MCS0	171	5855	18.50	18.50	21.5
	802.11ac-VHT160 MCS0	163	5815	18.50	18.50	21.50
	802.11ax-HE20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11ax-HE40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11ax-HE80 MCS0	171	5855	18.50	18.50	21.5
	802.11ax-HE160 MCS0	163	5815	18.50	18.50	21.5
	802.11be-EHT20 MCS0	169	5845	18.50	18.50	21.5
		173	5865	18.50	18.50	21.5
		177	5885	18.50	18.50	21.5
	802.11be-EHT40 MCS0	167	5835	18.50	18.50	21.5
		175	5875	18.50	18.50	21.5
	802.11be-EHT80 MCS0	171	5855	18.50	18.50	21.5
	802.11be-EHT160 MCS0	163	5815	18.50	18.50	21.5

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

<6GHz WLAN>

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	21.00	21.00	24.0
		49	6195	21.00	21.00	24.0
		93	6415	21.00	21.00	24.0
		117	6535	21.00	21.00	24.0
		149	6695	21.00	21.00	24.0
		181	6855	21.00	21.00	24.0
	802.11ax-HE20 MCS0	1	5955	21.00	21.00	24.0
		49	6195	21.00	21.00	24.0
		93	6415	21.00	21.00	24.0
		117	6535	21.00	21.00	24.0
		149	6695	21.00	21.00	24.0
		181	6855	21.00	21.00	24.0
	802.11ax-HE40 MCS0	3	5965	20.00	20.00	23.0
		51	6205	20.00	20.00	23.0
		91	6405	20.00	20.00	23.0
		123	6565	20.00	20.00	23.0
		147	6685	20.00	20.00	23.0
		179	6845	20.00	20.00	23.0
	802.11ax-HE80 MCS0	7	5985	20.00	20.00	23.0
		55	6225	20.00	20.00	23.0
		87	6385	20.00	20.00	23.0
		135	6625	20.00	20.00	23.0
		151	6705	20.00	20.00	23.0
		167	6785	20.00	20.00	23.0
	802.11ax-HE160 MCS0	15	6025	20.00	20.00	23.0
		47	6185	20.00	20.00	23.0
		79	6345	20.00	20.00	23.0
		143	6665	20.00	20.00	23.0
	802.11be EHT20 MCS0	1	5955	21.00	21.00	24.0
		49	6195	21.00	21.00	24.0
		93	6415	21.00	21.00	24.0
		117	6535	21.00	21.00	24.0
		149	6695	21.00	21.00	24.0
		181	6855	21.00	21.00	24.0
	802.11be EHT40 MCS0	3	5965	20.00	20.00	23.0
		51	6205	20.00	20.00	23.0
		91	6405	20.00	20.00	23.0
		123	6565	20.00	20.00	23.0
		147	6685	20.00	20.00	23.0
		179	6845	20.00	20.00	23.0
	802.11be EHT80 MCS0	7	5985	20.00	20.00	23.0
		55	6225	20.00	20.00	23.0
		87	6385	20.00	20.00	23.0
		135	6625	20.00	20.00	23.0
		151	6705	20.00	20.00	23.0
		167	6785	20.00	20.00	23.0
	802.11be EHT160 MCS0	15	6025	20.00	20.00	23.0
		47	6185	20.00	20.00	23.0
		79	6345	20.00	20.00	23.0
		143	6665	20.00	20.00	23.0

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

<6GHz WLAN>

				Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	9.50	9.50	12.5
		57	6235	9.00	9.00	12.0
		113	6515	9.50	9.50	12.5
		173	6815	9.00	9.00	12.0
		233	7115	9.00	9.00	12.0
	802.11ax-HE20 MCS0	1	5955	10.00	10.00	13.0
		57	6235	10.00	10.00	13.0
		113	6515	10.00	10.00	13.0
		173	6815	10.00	10.00	13.0
		233	7115	10.00	10.00	13.0
	802.11ax-HE40 MCS0	3	5965	13.00	13.00	16.0
		59	6245	13.00	13.00	16.0
		107	6485	13.00	13.00	16.0
		171	6805	13.00	13.00	16.0
		227	7085	13.00	10.00	14.8
	802.11ax-HE80 MCS0	7	5985	16.00	16.00	19.0
		71	6305	16.00	16.00	19.0
		119	6545	16.00	16.00	19.0
		167	6785	16.50	16.50	19.5
		215	7025	15.00	15.00	18.0
	802.11ax-HE160 MCS0	15	6025	18.50	18.50	21.5
		47	6185	18.50	18.50	21.5
		111	6505	18.50	18.50	21.5
		143	6665	20.00	18.00	22.1
		207	6985	18.00	18.00	21.0
	802.11be EHT20 MCS0	1	5955	10.00	10.00	13.0
		57	6235	10.00	10.00	13.0
		113	6515	10.00	10.00	13.0
		173	6815	10.00	10.00	13.0
		233	7115	10.00	10.00	13.0
	802.11be EHT40 MCS0	3	5965	13.00	13.00	16.0
		59	6245	13.00	13.00	16.0
		107	6485	13.00	13.00	16.0
		171	6805	13.00	13.00	16.0
		227	7085	13.00	10.00	14.8
	802.11be EHT80 MCS0	7	5985	16.00	16.00	19.0
		71	6305	16.00	16.00	19.0
		119	6545	16.00	16.00	19.0
		167	6785	16.50	16.50	19.5
		215	7025	15.00	15.00	18.0
	802.11be EHT160 MCS0	15	6025	18.50	18.50	21.5
		47	6185	18.50	18.50	21.5
		111	6505	18.50	18.50	21.5
		143	6665	20.00	18.00	22.1
		207	6985	18.00	18.00	21.0

<Power Index 1 /Power Index 2 /Power Index 3 /Power Index 4>

<6GHz WLAN>

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	9.50	9.50	12.5
		57	6235	9.00	9.00	12.0
		113	6515	9.50	9.50	12.5
		173	6815	8.50	8.50	11.5
		233	7115	9.00	9.00	12.0
	802.11ax-HE20 MCS0	1	5955	10.00	10.00	13.0
		57	6235	10.00	10.00	13.0
		113	6515	10.00	10.00	13.0
		173	6815	10.00	10.00	13.0
		233	7115	10.00	10.00	13.0
	802.11ax-HE40 MCS0	3	5965	12.00	12.00	15.0
		59	6245	12.00	12.00	15.0
		107	6485	10.00	10.00	13.0
		171	6805	8.50	8.50	11.5
		227	7085	12.00	12.00	15.0
	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	8.50	8.50	11.5
		215	7025	12.00	12.00	15.0
	802.11ax-HE160 MCS0	15	6025	12.00	12.00	15.0
		47	6185	12.00	12.00	15.0
		111	6505	10.00	10.00	13.0
		143	6665	8.50	8.50	11.5
		207	6985	12.00	12.00	15.0
	802.11be EHT20 MCS0	1	5955	10.00	10.00	13.0
		57	6235	10.00	10.00	13.0
		113	6515	10.00	10.00	13.0
		173	6815	8.50	8.50	11.5
		233	7115	10.00	10.00	13.0
	802.11be EHT40 MCS0	3	5965	12.00	12.00	15.0
		59	6245	12.00	12.00	15.0
		107	6485	10.00	10.00	13.0
		171	6805	8.50	8.50	11.5
		227	7085	12.00	10.00	14.1
	802.11be EHT80 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	8.50	8.50	11.5
		215	7025	12.00	12.00	15.0
	802.11be EHT160 MCS0	15	6025	12.00	12.00	15.0
		47	6185	12.00	12.00	15.0
		111	6505	10.00	10.00	13.0
		143	6665	8.50	8.50	11.5
		207	6985	12.00	12.00	15.0

<Power Index 5 /Power Index 6 /Power Index 7 /Power Index 8 /Power Index 9>

<6GHz WLAN>

Burst Average Power (dBm)						
Transmit Antenna				MIMO		
	Mode	Channel	Frequency (MHz)	Ant 3+4(3) Tune-Up Limit	Ant 3+4(4) Tune-Up Limit	Ant 3+4 Tune-Up Limit
WiFi 6E	802.11a 6Mbps	1	5955	9.50	9.50	12.5
		57	6235	9.00	9.00	12.0
		113	6515	9.50	9.50	12.5
		173	6815	9.00	9.00	12.0
		233	7115	9.00	9.00	12.0
	802.11ax-HE20 MCS0	1	5955	10.00	10.00	13.0
		57	6235	10.00	10.00	13.0
		113	6515	10.00	10.00	13.0
		173	6815	10.00	10.00	13.0
		233	7115	10.00	10.00	13.0
	802.11ax-HE40 MCS0	3	5965	13.00	13.00	16.0
		59	6245	13.00	13.00	16.0
		107	6485	13.00	13.00	16.0
		171	6805	13.00	13.00	16.0
		227	7085	13.00	10.00	14.8
	802.11ax-HE80 MCS0	7	5985	13.50	13.50	16.5
		71	6305	13.50	13.50	16.5
		119	6545	13.50	13.50	16.5
		167	6785	13.00	13.00	16.0
		215	7025	15.00	15.00	18.0
	802.11ax-HE160 MCS0	15	6025	13.50	13.50	16.50
		47	6185	13.50	13.50	16.50
		111	6505	13.50	13.50	16.50
		143	6665	13.00	13.00	16.00
		207	6985	15.00	15.00	18.00
	802.11be EHT20 MCS0	1	5955	10.00	10.00	13.0
		57	6235	10.00	10.00	13.0
		113	6515	10.00	10.00	13.0
		173	6815	10.00	10.00	13.0
		233	7115	10.00	10.00	13.0
	802.11be EHT40 MCS0	3	5965	13.00	13.00	16.0
		59	6245	13.00	13.00	16.0
		107	6485	13.00	13.00	16.0
		171	6805	13.00	13.00	16.0
		227	7085	13.00	10.00	14.8
	802.11be EHT80 MCS0	7	5985	13.50	13.50	16.5
		71	6305	13.50	13.50	16.5
		119	6545	13.50	13.50	16.5
		167	6785	13.00	13.00	16.0
		215	7025	15.00	15.00	18.0
	802.11be EHT160 MCS0	15	6025	13.50	13.50	16.5
		47	6185	13.50	13.50	16.5
		111	6505	13.50	13.50	16.5
		143	6665	13.00	13.00	16.0
		207	6985	15.00	15.00	18.0

<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
2. 3+4(3) represents the test in 2TX operation, while the SAR or power data is associated with antenna 3
3. 3+4(4) represents the test in 2TX operation, while the SAR or power data is associated with antenna 4

<Maximum Power – Power Index 0>

				Ant 3	Ant 4	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	21.00	21.00	18.00	18.00	21.0
		39	2441	21.00	21.00	18.00	18.00	21.0
		78	2480	21.00	21.00	18.00	18.00	21.0
	BR / EDR 2Mbps	0	2402	19.00	19.00	15.00	15.00	18.0
		39	2441	19.00	19.00	15.00	15.00	18.0
		78	2480	19.00	19.00	15.00	15.00	18.0
	BR / EDR 3Mbps	0	2402	18.00	18.00	15.00	15.00	18.0
		39	2441	18.00	18.00	15.00	15.00	18.0
		78	2480	18.00	18.00	15.00	15.00	18.0
	LE 1Mbps	0	2402	20.00	20.00	20.00	20.00	23.0
		19	2440	20.00	20.00	20.00	20.00	23.0
		39	2480	20.00	20.00	20.00	20.00	23.0
	LE 2Mbps	0	2402	20.00	20.00	20.00	20.00	23.0
		19	2440	20.00	20.00	20.00	20.00	23.0
		39	2480	20.00	20.00	20.00	20.00	23.0
	HR 2Mbps	0	2402	19.00	19.00	15.00	15.00	18.0
		39	2441	18.00	18.00	15.00	15.00	18.0
		78	2480	18.00	18.00	15.00	15.00	18.0
	HR 4Mbps	2	2404	19.00	19.00	18.00	18.00	21.0
		39	2441	18.00	18.00	18.00	18.00	21.0
		76	2478	18.00	18.00	18.00	18.00	21.0
	HR 8Mbps	2	2404	19.00	19.00	18.00	18.00	21.0
		39	2441	18.00	18.00	18.00	18.00	21.0
		76	2478	18.00	18.00	14.00	14.00	17.0

<Power index 1>

				Ant 3	Ant 4	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	9.00	9.00	9.00	9.00	12.0
		39	2441	9.00	9.00	9.00	9.00	12.0
		78	2480	9.00	9.00	9.00	9.00	12.0
	BR / EDR 2Mbps	0	2402	9.00	9.00	9.00	9.00	12.0
		39	2441	9.00	9.00	9.00	9.00	12.0
		78	2480	9.00	9.00	9.00	9.00	12.0
	BR / EDR 3Mbps	0	2402	9.00	9.00	9.00	9.00	12.0
		39	2441	9.00	9.00	9.00	9.00	12.0
		78	2480	9.00	9.00	9.00	9.00	12.0
	LE 1Mbps	0	2402	9.00	9.00	9.00	9.00	12.0
		19	2440	9.00	9.00	9.00	9.00	12.0
		39	2480	9.00	9.00	9.00	9.00	12.0
	LE 2Mbps	0	2402	9.00	9.00	9.00	9.00	12.0
		19	2440	9.00	9.00	9.00	9.00	12.0
		39	2480	9.00	9.00	9.00	9.00	12.0
	HR 2Mbps	0	2402	9.00	9.00	9.00	9.00	12.0
		39	2441	9.00	9.00	9.00	9.00	12.0
		78	2480	9.00	9.00	9.00	9.00	12.0
	HR 4Mbps	2	2404	9.00	9.00	9.00	9.00	12.0
		39	2441	9.00	9.00	9.00	9.00	12.0
		76	2478	9.00	9.00	9.00	9.00	12.0
	HR 8Mbps	2	2404	9.00	9.00	9.00	9.00	12.0
		39	2441	9.00	9.00	9.00	9.00	12.0
		76	2478	9.00	9.00	9.00	9.00	12.0

<Power index 2>

				Ant 3	Ant 4	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	21.00	21.00	18.00	18.00	21.0
		39	2441	21.00	21.00	18.00	18.00	21.0
		78	2480	21.00	21.00	18.00	18.00	21.0
	BR / EDR 2Mbps	0	2402	19.00	19.00	15.00	15.00	18.0
		39	2441	19.00	19.00	15.00	15.00	18.0
		78	2480	19.00	19.00	15.00	15.00	18.0
	BR / EDR 3Mbps	0	2402	18.00	18.00	15.00	15.00	18.0
		39	2441	18.00	18.00	15.00	15.00	18.0
		78	2480	18.00	18.00	15.00	15.00	18.0
	LE 1Mbps	0	2402	20.00	20.00	20.00	20.00	23.0
		19	2440	20.00	20.00	20.00	20.00	23.0
		39	2480	20.00	20.00	20.00	20.00	23.0
	LE 2Mbps	0	2402	20.00	20.00	20.00	20.00	23.0
		19	2440	20.00	20.00	20.00	20.00	23.0
		39	2480	20.00	20.00	20.00	20.00	23.0
	HR 2Mbps	0	2402	19.00	19.00	15.00	15.00	18.0
		39	2441	18.00	18.00	15.00	15.00	18.0
		78	2480	18.00	18.00	15.00	15.00	18.0
	HR 4Mbps	2	2404	19.00	19.00	18.00	18.00	21.0
		39	2441	18.00	18.00	18.00	18.00	21.0
		76	2478	18.00	18.00	18.00	18.00	21.0
	HR 8Mbps	2	2404	19.00	19.00	18.00	18.00	21.0
		39	2441	18.00	18.00	18.00	18.00	21.0
		76	2478	18.00	18.00	14.00	14.00	17.0

<Power index 3,4>

				Ant 3	Ant 4	Ant 3+4(3)	Ant 3+4(4)	Ant 3+4
	Mode	Channel	Frequency (MHz)	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	15.00	15.00	15.00	15.00	18.0
		39	2441	15.00	15.00	15.00	15.00	18.0
		78	2480	15.00	15.00	15.00	15.00	18.0
	BR / EDR 2Mbps	0	2402	15.00	15.00	15.00	15.00	18.0
		39	2441	15.00	15.00	15.00	15.00	18.0
		78	2480	15.00	15.00	15.00	15.00	18.0
	BR / EDR 3Mbps	0	2402	15.00	15.00	15.00	15.00	18.0
		39	2441	15.00	15.00	15.00	15.00	18.0
		78	2480	15.00	15.00	15.00	15.00	18.0
	LE 1Mbps	0	2402	15.00	15.00	15.00	15.00	18.0
		19	2440	15.00	15.00	15.00	15.00	18.0
		39	2480	15.00	15.00	15.00	15.00	18.0
	LE 2Mbps	0	2402	15.00	15.00	15.00	15.00	18.0
		19	2440	15.00	15.00	15.00	15.00	18.0
		39	2480	15.00	15.00	15.00	15.00	18.0
	HR 2Mbps	0	2402	15.00	15.00	15.00	15.00	18.0
		39	2441	15.00	15.00	15.00	15.00	18.0
		78	2480	15.00	15.00	15.00	15.00	18.0
	HR 4Mbps	2	2404	15.00	15.00	15.00	15.00	18.0
		39	2441	15.00	15.00	15.00	15.00	18.0
		76	2478	15.00	15.00	15.00	15.00	18.0
	HR 8Mbps	2	2404	15.00	15.00	15.00	15.00	18.0
		39	2441	15.00	15.00	15.00	15.00	18.0
		76	2478	15.00	15.00	14.00	14.00	17.0

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>A4RGKWS6</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 7 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	A4RGKWS6
Equipment Name	Phone
Operating Frequency Range of each 5G NR transmission band	5G NR n2: 1850 MHz ~ 1910 MHz 5G NR n5: 824 MHz ~ 849 MHz 5G NR n7: 2500 MHz ~ 2570 MHz 5G NR n12: 699 MHz ~ 716 MHz 5G NR n25: 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66: 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz 5G NR n78: 3700 MHz ~ 3800 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 n12: 5MHz, 10MHz, 15MHz 5G NR n25: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz 5G NR n26: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n30: 5MHz, 10MHz 5G NR n38: 10MHz, 15MHz, 20MHz 5G NR n41: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz 5G NR n48: 10MHz, 15MHz, 20MHz, 40MHz 5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz 5G NR n70: 5MHz, 10MHz, 15MHz 5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n77/78: 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 B2/4/5/7/12/13/14/30/48/66/71
LTE Anchor Bands for n5	LTE B2/7/30/48/66
LTE Anchor Bands for n7	LTE B2/5/12/13/66/71
LTE Anchor Bands for n12	LTE B2/7/66
LTE Anchor Bands for n25	LTE B2/12/13/26/48/66
LTE Anchor Bands for n30	LTE B2/5/12/14/66
LTE Anchor Bands for n38	LTE B2/4/5/12/66/71
LTE Anchor Bands for n41	LTE B2/4/5/12/25/26/66/71
LTE Anchor Bands for n48	LTE B2/66
LTE Anchor Bands for n66	LTE B2/5/7/12/13/14/25/30/48/66/71
LTE Anchor Bands for n71	LTE B2/7/66
LTE Anchor Bands for n77	LTE B2/5/7/12/13/14/25/26/30/41/66
LTE Anchor Bands for n78	LTE B2/4/5/7/12/13/25/38/41/66/71

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 12						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	140300	701.5	140800	704	141300	706.5
M	141500	707.5	141500	707.5	141500	707.5
H	142700	713.5	142200	711	141700	708.5

NR Band 25														
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	374000	1870
M	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5
H	382500	1912.5	382000	1910	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379000	1895

NR Band 26								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	163300	816.5	163800	819	164300	821.5	164800	824
M	166300	831.5	166300	831.5	166300	831.5	166300	831.5
H	169300	846.5	168800	844	168300	841.5	167800	839

NR Band 30				
	Bandwidth 5MHz		Bandwidth 10MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	461500	2307.5	462000	2310
M	462000	2310		
H	462500	2312.5		

NR Band 38						
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	515004	2575.02	515502	2577.51	516000	2580
M	519000	2595	519000	2595	519000	2595
H	522996	2614.98	522498	2612.49	522000	2610

NR Band 41																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	500202	2501.01	500700	2503.5	501204	2506.02	502200	2511	503202	2516.01	504204	2521.02	505200	2526	506202	2531.01	507204	2536.02	508200	2541	509202	2546.01
M	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99
H	537000	2685	536496	2682.48	535998	2679.99	534996	2674.98	534000	2670	532998	2664.99	531996	2659.98	531000	2655	529998	2649.99	528996	2644.98	528000	2640

NR Band 48								
	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		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	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 70						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	339500	1697.5	340000	1700	340500	1702.5
M	340500	1702.5	340500	1702.5		
H	341500	1707.5	341000	1705		

NR Band 71								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	133100	665.5	133600	668	13410	670.5	134600	673
M	136100	680.5	136100	680.5	136100	680.5	136100	680.5
H	139100	695.5	138600	693	13810	690.5	137600	688

NR Band 77																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	665000	3975	664832	3972.48	664666	3969.99	664500	3967.50	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930

NR Band 78																						
	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		
M	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750
H	653000	3795	652832	3792.48	652666	3789.99	652500	3787.50	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98		

NR Band 77/78(3450MHz ~ 3550MHz)																						
	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		
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		

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 and WCDMA 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.

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

Wireless technology/ band (No Accounting duty cycle)	Antenna	Duty cycle	Max Power condition	Head		Hotspot	Body-worn/Extremity		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	33.70	33.00	32.70	34.40	33.70	32.50
GSM850 GPRS 2TX	0	25.00%	31.50	30.70	30.00	29.70	31.40	30.70	31.50
GSM850 GPRS 3TX	0	37.50%	30.50	28.90	28.20	27.90	29.60	28.90	30.50
GSM850 GPRS 4TX	0	50.00%	29.50	27.70	27.00	26.70	28.40	27.70	29.50
GSM850 EDGE 1TX	0	12.50%	27.00	33.70	33.00	32.70	34.40	33.70	27.00
GSM850 EDGE 2TX	0	25.00%	26.50	30.70	30.00	29.70	31.40	30.70	26.50
GSM850 EDGE 3TX	0	37.50%	26.50	28.90	28.20	27.90	29.60	28.90	26.50
GSM850 EDGE 4TX	0	50.00%	24.50	27.70	27.00	26.70	28.40	27.70	24.50
GSM850 GSM/GPRS 1TX	1	12.50%	32.00	29.90	29.20	35.90	36.60	35.90	32.00
GSM850 GPRS 2TX	1	25.00%	31.00	26.90	26.20	32.90	33.60	32.90	31.00
GSM850 GPRS 3TX	1	37.50%	30.00	25.10	24.40	31.10	31.80	31.10	30.00
GSM850 GPRS 4TX	1	50.00%	29.00	23.90	23.20	29.90	30.60	29.90	29.00
GSM850 EDGE 1TX	1	12.50%	26.50	29.90	29.20	35.90	36.60	35.90	26.50
GSM850 EDGE 2TX	1	25.00%	26.00	26.90	26.20	32.90	33.60	32.90	26.00
GSM850 EDGE 3TX	1	37.50%	26.00	25.10	24.40	31.10	31.80	31.10	26.00
GSM850 EDGE 4TX	1	50.00%	24.00	23.90	23.20	29.90	30.60	29.90	24.00
GSM1900 GSM/GPRS 1TX	2	12.50%	30.00	35.00	34.30	29.10	29.80	29.10	30.00
GSM1900 GPRS 2TX	2	25.00%	28.50	32.00	31.30	26.10	26.80	26.10	28.50
GSM1900 GPRS 3TX	2	37.50%	28.00	30.20	29.50	24.30	25.00	24.30	28.00
GSM1900 GPRS 4TX	2	50.00%	27.00	29.00	28.30	23.10	23.80	23.10	27.00
GSM1900 EDGE 1TX	2	12.50%	25.00	35.00	34.30	29.10	29.80	29.10	25.00
GSM1900 EDGE 2TX	2	25.00%	24.00	32.00	31.30	26.10	26.80	26.10	24.00
GSM1900 EDGE 3TX	2	37.50%	24.00	30.20	29.50	24.30	25.00	24.30	24.00
GSM1900 EDGE 4TX	2	50.00%	23.00	29.00	28.30	23.10	23.80	23.10	23.00
GSM1900 GSM/GPRS 1TX	0	12.50%	29.20	42.10	41.40	25.50	27.60	26.90	29.20
GSM1900 GPRS 2TX	0	25.00%	27.70	39.10	38.40	22.50	24.60	23.90	27.70
GSM1900 GPRS 3TX	0	37.50%	27.20	37.30	36.60	20.70	22.80	22.10	27.20
GSM1900 GPRS 4TX	0	50.00%	26.20	36.10	35.40	19.50	21.60	20.90	26.20
GSM1900 EDGE 1TX	0	12.50%	24.20	42.10	41.40	25.50	27.60	26.90	24.20
GSM1900 EDGE 2TX	0	25.00%	23.20	39.10	38.40	22.50	24.60	23.90	23.20
GSM1900 EDGE 3TX	0	37.50%	23.20	37.30	36.60	20.70	22.80	22.10	23.20
GSM1900 EDGE 4TX	0	50.00%	22.20	36.10	35.40	19.50	21.60	20.90	22.20
WCDMA B2	2	100.00%	24.60	24.20	23.50	20.40	21.10	20.40	24.60
WCDMA B2	0	100.00%	23.80	31.30	30.60	16.90	18.60	17.90	23.80
WCDMA B4	2	100.00%	24.60	27.20	26.50	20.30	21.00	20.30	24.60
WCDMA B4	0	100.00%	23.80	32.00	31.30	17.80	18.50	17.80	23.80
WCDMA B5	0	100.00%	24.70	26.60	25.90	24.40	25.60	24.90	24.70
WCDMA B5	1	100.00%	24.20	21.50	20.80	27.00	27.70	27.00	24.20

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

General Note:

1. The device additionally support UL MIMO mode on n41/48/77/78
2. LTE and 5GNR TDD: Plimit power levels in the table correspond to the time-averaged power levels which accounts for TX duty cycle.
3. 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.

Wireless technology/ band (Accounting duty cycle)	Antenna	Duty cycle	Max Power condition	Head		Hotspot	Body-worn/Extremity		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)						
LTE B25/2	2	100.00%	24.60	23.60	22.90	19.10	19.80	19.10	24.60
LTE B25/2	0	100.00%	23.80	31.50	30.80	17.00	18.60	17.90	23.80
LTE B2	1	100.00%	24.60	16.30	15.60	20.30	21.80	21.10	24.60
LTE B2	5	100.00%	23.80	15.70	15.00	19.70	20.40	19.70	23.80
LTE B7	2	100.00%	24.50	21.30	20.60	18.80	19.50	18.80	24.50
LTE B7	0	100.00%	23.40	28.10	27.40	16.80	19.80	19.10	23.40
LTE B12/17	0	100.00%	24.70	28.90	28.20	25.60	26.30	25.60	24.70
LTE B12/17	1	100.00%	24.20	23.80	23.10	27.10	27.80	27.10	24.20
LTE B13	0	100.00%	24.70	27.30	26.60	23.90	25.90	25.20	24.70
LTE B13	1	100.00%	24.20	22.70	22.00	27.50	28.20	27.50	24.20
LTE B14	0	100.00%	24.70	27.50	26.80	23.50	24.20	23.50	24.70
LTE B14	1	100.00%	24.20	22.40	21.70	28.10	28.80	28.10	24.20
LTE B26/B5	0	100.00%	24.70	27.10	26.40	24.80	26.10	25.40	24.70
LTE B26/B5	1	100.00%	24.20	21.20	20.50	26.70	27.50	26.80	24.20
LTE B30	2	100.00%	21.60	22.70	22.00	19.00	19.70	19.00	21.60
LTE B30	0	100.00%	19.20	29.80	29.10	15.80	18.60	17.90	19.20
LTE B38 PC3	2	63.30%	22.40	21.10	20.40	18.30	19.40	18.70	21.00
LTE B38 PC3	0	63.30%	21.30	27.90	27.20	16.30	19.00	18.30	19.90
LTE B38 PC2	2	43.30%	22.40	21.10	20.40	18.30	19.40	18.70	22.40
LTE B38 PC2	0	43.30%	21.30	27.90	27.20	16.30	19.00	18.30	21.30
LTE B41 PC3	2	63.30%	22.40	21.10	20.40	18.30	19.40	18.70	21.00
LTE B41 PC3	0	63.30%	21.30	28.00	27.30	16.40	19.10	18.40	20.20
LTE B41 PC2	2	43.30%	22.40	21.10	20.40	18.30	19.40	18.70	22.40
LTE B41 PC2	0	43.30%	21.30	28.00	27.30	16.40	19.10	18.40	21.30
LTE B48 PC3	6	63.30%	19.40	21.50	20.80	17.60	18.50	17.80	19.40
LTE B48 PC3	7	63.30%	20.20	29.50	28.80	18.60	19.80	19.10	20.20
LTE B66/B4	2	100.00%	24.60	25.10	24.40	20.40	21.10	20.40	24.60
LTE B66/B4	0	100.00%	23.80	31.10	30.40	17.30	20.00	19.30	23.80
LTE B66/B4	1	100.00%	24.60	18.30	17.60	21.30	22.00	21.30	24.60
LTE B66/B4	5	100.00%	23.80	18.40	17.70	19.00	19.70	19.00	23.80
LTE B71	0	100.00%	24.70	30.10	29.40	26.80	27.80	27.10	24.70
LTE B71	1	100.00%	24.20	23.30	22.60	27.30	28.00	27.30	24.20

Wireless technology/ band (Accounting duty cycle)	Antenna	Duty cycle	Max Power condition	Head		Hotspot	Body-worn/Extremity		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 n25/n2	2	100.00%	24.60	23.80	23.10	20.30	21.00	20.30	24.60
FR1 n25/n2	0	100.00%	23.80	31.90	31.20	16.70	18.00	17.30	23.80
FR1 n2	1	100.00%	24.60	16.80	16.10	20.30	21.90	21.20	24.60
FR1 n2	5	100.00%	23.80	15.80	15.10	19.70	20.40	19.70	23.80
FR1 n5/n26	0	100.00%	24.70	26.60	25.90	24.30	25.50	24.80	24.70
FR1 n5/n26	1	100.00%	24.20	20.40	19.70	27.50	28.20	27.50	24.20
FR1 n7	2	100.00%	24.50	21.90	21.20	19.00	19.70	19.00	24.50
FR1 n7	0	100.00%	23.40	28.80	28.10	17.00	19.20	18.50	23.40
FR1 n12	0	100.00%	24.70	29.40	28.70	26.00	26.70	26.00	24.70
FR1 n12	1	100.00%	24.20	22.50	21.80	26.90	27.60	26.90	24.20
FR1 n30	2	100.00%	21.60	23.40	22.70	18.50	19.20	18.50	21.60
FR1 n30	0	100.00%	19.20	27.60	26.90	15.30	17.90	17.20	19.20
FR1 n38 PC3	2	100.00%	24.50	21.50	20.80	17.80	20.60	19.90	24.50
FR1 n38 PC3	0	100.00%	23.40	29.20	28.50	16.80	18.90	18.20	23.40
FR1 n38 PC3	1	100.00%	24.50	13.50	12.80	18.40	19.80	19.10	24.50
FR1 n38 PC3	5	100.00%	23.40	15.80	15.10	17.80	19.80	19.10	23.40
FR1 n41 PC3	2	100.00%	23.00	21.50	20.80	17.80	20.60	19.90	23.00
FR1 n41 PC3	0	100.00%	22.20	26.10	25.40	16.90	19.00	18.30	22.20
FR1 n41 PC3	5	100.00%	22.20	15.90	15.20	17.90	19.90	19.20	22.20
FR1 n41 PC3	1	100.00%	23.00	13.50	12.80	18.40	19.80	19.10	23.00
FR1 n41 PC2	2	50.00%	23.00	21.50	20.80	17.80	20.60	19.90	23.00
FR1 n41 PC2	0	50.00%	22.20	26.10	25.40	16.90	19.00	18.30	21.90
FR1 n41 PC2	1	50.00%	23.00	13.50	12.80	18.40	19.80	19.10	23.00
FR1 n41 PC2	5	50.00%	22.20	15.90	15.20	17.90	19.90	19.20	21.90
FR1 n41 PC1.5	2	25.00%	23.00	21.50	20.80	17.80	20.60	19.90	18.50
FR1 n41 PC1.5	0	25.00%	22.20	26.10	25.40	16.90	19.00	18.30	17.40
FR1 n41 PC1.5	1	25.00%	23.00	13.50	12.80	18.40	19.80	19.10	18.50
FR1 n41 PC1.5	5	25.00%	22.20	15.90	15.20	17.90	19.90	19.20	17.40
FR1 n48 PC3	6	100.00%	21.40	24.30	23.60	17.60	18.60	17.90	21.40
FR1 n48 PC3	7	100.00%	22.20	30.30	29.60	18.30	20.30	19.60	22.20
FR1 n48 PC3	1	100.00%	21.40	20.60	19.90	21.60	22.30	21.60	21.40
FR1 n48 PC3	5	100.00%	22.20	14.10	13.40	18.50	19.20	18.50	22.20
FR1 n66	2	100.00%	24.60	27.00	26.30	20.60	21.30	20.60	24.60
FR1 n66	0	100.00%	23.80	30.40	29.70	16.60	19.50	18.80	23.80
FR1 n66	1	100.00%	24.60	19.20	18.50	21.80	23.70	23.00	24.60
FR1 n66	5	100.00%	23.80	18.30	17.60	19.50	22.30	21.60	23.80
FR1 n70	2	100.00%	24.60	27.60	26.90	20.90	21.60	20.90	24.60
FR1 n70	0	100.00%	23.80	32.60	31.90	17.50	18.40	17.70	23.80
FR1 n71	0	100.00%	24.70	29.20	28.50	26.30	27.00	26.30	24.70
FR1 n71	1	100.00%	24.20	22.60	21.90	27.40	28.10	27.40	24.20
FR1 n77 PC3	6	100.00%	23.50	21.30	20.60	16.60	19.50	18.80	23.50
FR1 n77 PC3	7	100.00%	22.40	26.30	25.60	18.80	19.50	18.80	22.40
FR1 n77 PC3	1	100.00%	23.50	20.90	20.20	22.20	22.90	22.20	23.50
FR1 n77 PC3	5	100.00%	22.40	13.50	12.80	17.50	19.70	19.00	22.40
FR1 n77 PC2	6	50.00%	23.50	21.30	20.60	16.60	19.50	18.80	23.50
FR1 n77 PC2	7	50.00%	22.40	26.30	25.60	18.80	19.50	18.80	22.40
FR1 n77 PC2	1	50.00%	23.50	20.90	20.20	22.20	22.90	22.20	23.50
FR1 n77 PC2	5	50.00%	22.40	13.50	12.80	17.50	19.70	19.00	22.40
FR1 n77 PC1.5	6	25.00%	23.50	21.30	20.60	16.60	19.50	18.80	19.00
FR1 n77 PC1.5	7	25.00%	22.40	26.30	25.60	18.80	19.50	18.80	17.90
FR1 n77 PC1.5	5	25.00%	22.40	13.50	12.80	17.50	19.70	19.00	17.90
FR1 n77 PC1.5	1	25.00%	23.50	20.90	20.20	22.20	22.90	22.20	19.00
FR1 n78 PC3	6	100.00%	23.50	21.10	20.40	16.40	19.30	18.60	23.00
FR1 n78 PC3	7	100.00%	22.40	26.40	25.70	18.80	19.50	18.80	21.90
FR1 n78 PC3	1	100.00%	23.00	18.10	17.40	19.90	22.70	22.00	23.00
FR1 n78 PC3	5	100.00%	21.90	13.50	12.80	17.50	19.70	19.00	21.90
FR1 n78 PC2	6	50.00%	23.50	21.10	20.40	16.40	19.30	18.60	23.50
FR1 n78 PC2	7	50.00%	22.40	26.40	25.70	18.80	19.50	18.80	22.40

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
- FCC KDB 941225 D07 UMPC Mini Tablet v01r02
- IEC/IEEE 62209-1528:2020
- SPEAG DASY6 System Handbook
- SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)

6. Specific Absorption Rate (SAR)

6.1 Introduction

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

6.2 SAR Definition

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

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

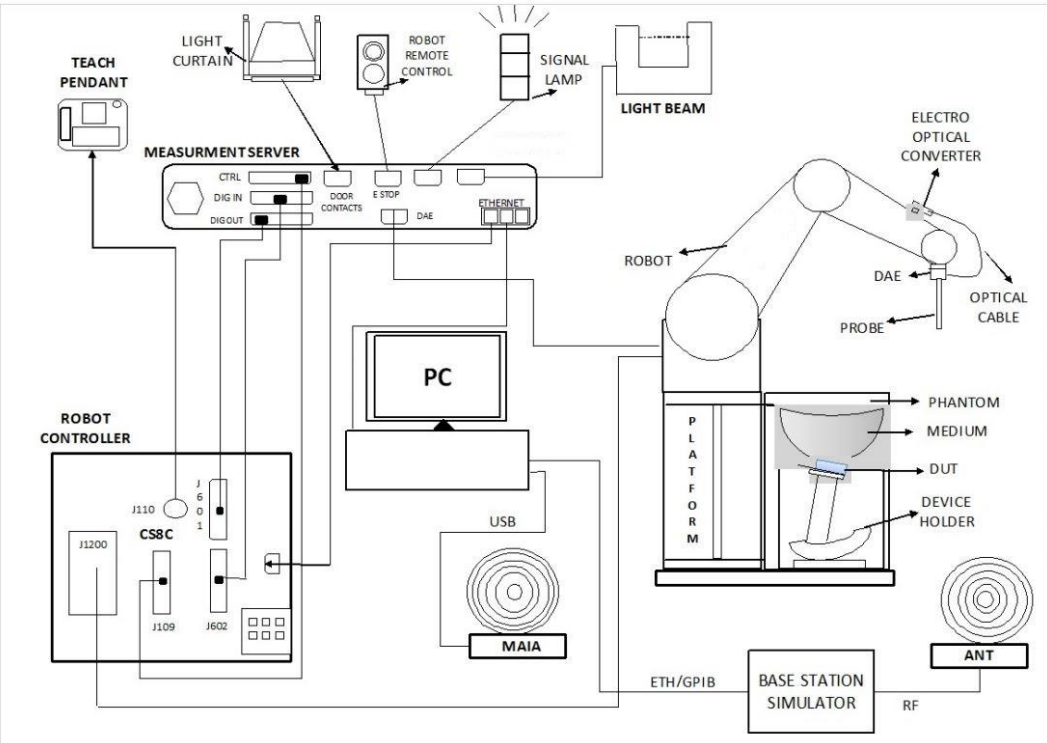
SAR is expressed in units of Watts per kilogram (W/kg)

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

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

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	10 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	10 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.

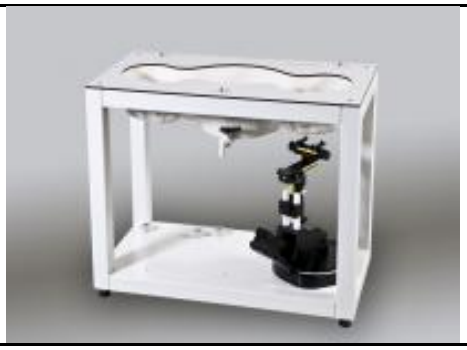
The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

Fig 5.1 Photo of DAE

7.4 Phantom

<SAM Twin Phantom>

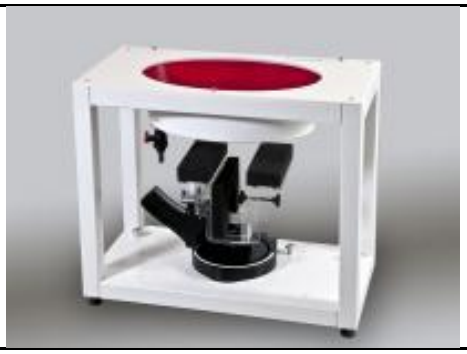
Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet
Measurement Areas	Left Hand, Right Hand, Flat Phantom



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 D demonstrates.
(c) Set scan area, grid size and other setting on the DASY software.
(d) Measure SAR results for the highest power channel on each testing position.
(e) Find out the largest SAR result on these testing positions of each band
(f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

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

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

8.1 Spatial Peak SAR Evaluation

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

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

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

(a) Extraction of the measured data (grid and values) from the Zoom Scan
(b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
(c) Generation of a high-resolution mesh within the measured volume
(d) Interpolation of all measured values 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	D750V3	1107	Jun. 22, 2022	Jun. 21, 2023
SPEAG	835MHz System Validation Kit	D835V2	4d167	Nov. 24, 2022	Nov. 23, 2023
SPEAG	1750MHz System Validation Kit	D1750V2	1112	Jun. 22, 2022	Jun. 21, 2023
SPEAG	1900MHz System Validation Kit	D1900V2	5d185	Jun. 17, 2022	Jun. 16, 2023
SPEAG	1900MHz System Validation Kit(2)	D1900V2	5d093	Mar. 25, 2022	Mar. 23, 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	2450MHz System Validation Kit(2)	D2450V2	736	Aug. 17, 2021	Aug. 15, 2023
SPEAG	2600MHz System Validation Kit	D2600V2	1078	Jun. 23, 2022	Jun. 22, 2023
SPEAG	3300MHz System Validation Kit	D3300V2	1034	Sep. 05, 2022	Sep. 04, 2023
SPEAG	3500MHz System Validation Kit(2)	D3500V2	1014	Jan. 17, 2022	Jan. 15, 2024
SPEAG	3700MHz System Validation Kit	D3700V2	1006	Jun. 20, 2022	Jun. 19, 2023
SPEAG	3700MHz System Validation Kit(2)	D3700V2	1022	Jul. 14, 2021	Jul. 12, 2023
SPEAG	3900MHz System Validation Kit(2)	D3900V2	1017	Apr. 22, 2022	Apr. 20, 2024
SPEAG	5GHz System Validation Kit(2)	D5GHzV2	1006	Sep. 15, 2021	Sep. 13, 2023
SPEAG	5GHz System Validation Kit	D5GHzV2	1128	Nov. 23, 2022	Nov. 22, 2023
SPEAG	5GHz System Validation Kit(2)	D5GHzV2	1171	Apr. 20, 2021	Apr. 17, 2024
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1083	Sep. 06, 2022	Sep. 05, 2023
SPEAG	13MHz System Validation Kit	CLA13	1022	Sep. 01, 2022	Aug. 31, 2023
SPEAG	5G Verification Source	10GHz	1020	Jan. 20, 2023	Jan. 19, 2024
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9461	Oct. 25, 2022	Oct. 24, 2023
SPEAG	Data Acquisition Electronics	DAE4	1399	Feb. 21, 2023	Feb. 20, 2024
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	1647	Nov. 18, 2022	Nov. 17, 2023
SPEAG	Data Acquisition Electronics	DAE4	1694	Nov. 18, 2022	Nov. 17, 2023
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	316	Jan. 23, 2023	Jan. 22, 2024
SPEAG	Data Acquisition Electronics	DAE4	1707	Dec. 15, 2022	Dec. 14, 2023
SPEAG	Data Acquisition Electronics	DAE4	1647	Nov. 18, 2022	Nov. 17, 2023
SPEAG	Data Acquisition Electronics	DAE4	1794	Feb. 01, 2023	Jan. 31, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7694	Nov. 15, 2022	Nov. 14, 2023
SPEAG	Dosimetric E-Field Probe	EX3DV4	3931	Oct. 31, 2022	Oct. 30, 2023
SPEAG	Dosimetric E-Field Probe	EX3DV4	3976	Feb. 21, 2023	Feb. 20, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7590	Mar. 23, 2023	Mar. 22, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7625	Jan. 26, 2023	Jan. 25, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7700	Jan. 24, 2023	Jan. 23, 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	6201341950	Oct. 31, 2022	Oct. 30, 2023
Keysight	Wireless Communication Test Set	E5515C	MY50267236	Mar. 12, 2023	Mar. 11, 2024
R&S	BT Base Station	CBT32	101136	Oct. 25, 2022	Oct. 24, 2023
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3710A	6201502524	Oct. 12, 2022	Oct. 11, 2023
Keysight	ENA Network Analyzer	E5071C	MY46104758	Sep. 22, 2022	Sep. 21, 2023
SPEAG	Dielectric Probe Kit	DAK-3.5	1126	Sep. 28, 2022	Sep. 27, 2023
SPEAG	Dielectric Probe Kit	DAK-12	1156	Jul. 28, 2022	Jul. 27, 2023
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3796	Jan. 13, 2023	Jan. 12, 2024
Anritsu	Power Meter	ML2495A	1419002	Aug. 16, 2022	Aug. 15, 2023
Anritsu	Power Meter	ML2495A	1804003	Oct. 17, 2022	Oct. 16, 2023
Anritsu	Power Sensor	MA2411B	1911176	Aug. 16, 2022	Aug. 15, 2023
Anritsu	Power Sensor	MA2411B	1726150	Oct. 17, 2022	Oct. 16, 2023
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 21, 2022	Jul. 20, 2023
Anritsu	Spectrum Analyzer	N9010A	MY53470118	Jan. 10, 2023	Jan. 09, 2024
Mini-Circuits	Power Amplifier	ZVE-8G+	6418	Oct. 14, 2022	Oct. 13, 2023
Mini-Circuits	Power Amplifier	ZVE-8G+	479102029	Sep. 15, 2022	Sep. 14, 2023
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	22.5	0.728	54.443	0.75	55.00	-2.93	-1.01	±5	2023/6/1
750	22.4	0.888	41.300	0.89	41.90	-0.22	-1.43	±5	2023/4/22
750	22.5	0.888	41.100	0.89	41.90	-0.22	-1.91	±5	2023/4/23
750	22.5	0.875	43.000	0.89	41.90	-1.69	2.63	±5	2023/4/24
750	22.3	0.872	41.900	0.89	41.90	-2.02	0.00	±5	2023/4/27
750	22.3	0.879	41.600	0.89	41.90	-1.24	-0.72	±5	2023/5/1
750	22.2	0.885	41.700	0.89	41.90	-0.56	-0.48	±5	2023/5/13
750	22.3	0.876	41.900	0.89	41.90	-1.57	0.00	±5	2023/5/15
750	22.6	0.871	42.000	0.89	41.90	-2.13	0.24	±5	2023/5/17
750	22.3	0.879	43.200	0.89	41.90	-1.24	3.10	±5	2023/5/18
750	22.1	0.879	41.900	0.89	41.90	-1.24	0.00	±5	2023/5/27
835	22.6	0.919	41.400	0.90	41.50	2.11	-0.24	±5	2023/4/25
835	22.4	0.925	41.500	0.90	41.50	2.78	0.00	±5	2023/5/3
835	22.8	0.932	41.600	0.90	41.50	3.56	0.24	±5	2023/5/5
835	22.5	0.911	41.400	0.90	41.50	1.22	-0.24	±5	2023/5/14
835	22.3	0.908	41.600	0.90	41.50	0.89	0.24	±5	2023/5/15
835	22.3	0.923	41.500	0.90	41.50	2.56	0.00	±5	2023/5/19
835	22.3	0.929	41.800	0.90	41.50	3.22	0.72	±5	2023/5/23
835	22.1	0.912	41.600	0.90	41.50	1.33	0.24	±5	2023/5/27
1750	22.6	1.360	40.600	1.37	40.10	-0.73	1.25	±5	2023/5/4
1750	22.9	1.380	40.700	1.37	40.10	0.73	1.50	±5	2023/5/6
1750	22.5	1.380	40.900	1.37	40.10	0.73	2.00	±5	2023/5/12
1750	22.5	1.350	40.100	1.37	40.10	-1.46	0.00	±5	2023/5/14
1750	22.7	1.370	40.400	1.37	40.10	0.00	0.75	±5	2023/5/17
1750	22.6	1.370	39.500	1.37	40.10	0.00	-1.50	±5	2023/5/17
1750	22.3	1.390	40.000	1.37	40.10	1.46	-0.25	±5	2023/5/23
1750	22.5	1.370	38.900	1.37	40.10	0.00	-2.99	±5	2023/5/24
1750	22.5	1.350	40.400	1.37	40.10	-1.46	0.75	±5	2023/5/25
1750	22.4	1.380	41.000	1.37	40.10	0.73	2.24	±5	2023/6/4
1750	22.4	1.340	40.400	1.37	40.10	-2.19	0.75	±5	2023/6/5
1750	22.8	1.380	41.000	1.37	40.10	0.73	2.24	±5	2023/6/6
1750	22.3	1.360	41.000	1.37	40.10	-0.73	2.24	±5	2023/7/7
1900	22.7	1.430	40.800	1.40	40.00	2.14	2.00	±5	2023/5/4
1900	22.9	1.440	40.900	1.40	40.00	2.86	2.25	±5	2023/5/6
1900	22.5	1.430	38.600	1.40	40.00	2.14	-3.50	±5	2023/5/15
1900	22.7	1.450	38.800	1.40	40.00	3.57	-3.00	±5	2023/5/17
1900	22.2	1.440	39.900	1.40	40.00	2.86	-0.25	±5	2023/5/21
1900	22.7	1.440	39.000	1.40	40.00	2.86	-2.50	±5	2023/5/22
1900	22.4	1.420	38.600	1.40	40.00	1.43	-3.50	±5	2023/5/24
1900	22.4	1.390	40.400	1.40	40.00	-0.71	1.00	±5	2023/6/3
1900	22.4	1.410	38.900	1.40	40.00	0.71	-2.75	±5	2023/6/5
1900	22.8	1.460	39.500	1.40	40.00	4.29	-1.25	±5	2023/6/6
1900	22.3	1.433	39.295	1.40	40.00	2.36	-1.76	±5	2023/8/15
1900	22.5	1.438	38.978	1.40	40.00	2.71	-2.56	±5	2023/8/15
2300	22.3	1.660	39.800	1.67	39.50	-0.60	0.76	±5	2023/5/12
2300	22.9	1.610	39.200	1.67	39.50	-3.59	-0.76	±5	2023/5/19
2300	22.4	1.680	40.000	1.67	39.50	0.60	1.27	±5	2023/5/27

Frequency (MHz)	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (ε_r)	Conductivity Target (σ)	Permittivity Target (ε_r)	Delta (σ) (%)	Delta (ε_r) (%)	Limit (%)	Date
2450	22.7	1.770	38.800	1.80	39.20	-1.67	-1.02	±5	2023/5/7
2450	22.2	1.820	38.400	1.80	39.20	1.11	-2.04	±5	2023/5/12
2450	22.4	1.750	38.700	1.80	39.20	-2.78	-1.28	±5	2023/5/14
2450	22.3	1.830	38.800	1.80	39.20	1.67	-1.02	±5	2023/5/19
2450	22.3	1.807	39.884	1.80	39.20	0.39	1.74	±5	2023/8/15
2600	22.6	1.990	38.700	1.96	39.00	1.53	-0.77	±5	2023/5/4
2600	22.2	2.010	38.800	1.96	39.00	2.55	-0.51	±5	2023/5/9
2600	22.5	2.010	38.900	1.96	39.00	2.55	-0.26	±5	2023/5/16
2600	22.5	1.950	38.000	1.96	39.00	-0.51	-2.56	±5	2023/5/20
2600	22.4	1.980	38.000	1.96	39.00	1.02	-2.56	±5	2023/5/20
2600	22.5	1.930	38.000	1.96	39.00	-1.53	-2.56	±5	2023/5/22
2600	22.4	1.950	38.200	1.96	39.00	-0.51	-2.05	±5	2023/5/26
2600	22.2	1.970	38.100	1.96	39.00	0.51	-2.31	±5	2023/5/30
2600	22.6	1.990	38.300	1.96	39.00	1.53	-1.79	±5	2023/5/31
2600	22.4	2.010	37.900	1.96	39.00	2.55	-2.82	±5	2023/6/1
2600	22.3	1.960	38.200	1.96	39.00	0.00	-2.05	±5	2023/7/7
3300	22.5	2.770	38.900	2.70	38.13	2.59	2.02	±5	2023/5/31
3500	22.7	3.030	38.600	2.91	37.90	4.12	1.85	±5	2023/5/28
3500	22.5	2.980	38.700	2.91	37.90	2.41	2.11	±5	2023/5/31
3500	22.7	2.960	38.300	2.91	37.90	1.72	1.06	±5	2023/6/1
3500	22.7	2.960	38.300	2.91	37.90	1.72	1.06	±5	2023/6/1
3500	22.7	2.920	37.600	2.91	37.90	0.34	-0.79	±5	2023/6/2
3500	22.4	2.980	37.600	2.91	37.90	2.41	-0.79	±5	2023/6/2
3500	22.5	2.940	38.300	2.91	37.90	1.03	1.06	±5	2023/6/2
3500	22.5	2.850	36.900	2.91	37.90	-2.06	-2.64	±5	2023/6/3
3500	22.7	3.010	37.700	2.91	37.90	3.44	-0.53	±5	2023/6/5
3500	22.5	2.910	37.900	2.91	37.90	0.00	0.00	±5	2023/6/5
3500	22.6	2.880	37.000	2.91	37.90	-1.03	-2.37	±5	2023/6/6
3500	22.2	2.900	36.900	2.91	37.90	-0.34	-2.64	±5	2023/6/7
3500	22.8	2.980	38.200	2.91	37.90	2.41	0.79	±5	2023/6/8
3500	22.3	2.950	38.300	2.91	37.90	1.37	1.06	±5	2023/7/7
3500	22.8	2.960	37.500	2.91	37.90	1.72	-1.06	±5	2023/7/7
3700	22.5	3.210	38.200	3.12	37.70	2.88	1.33	±5	2023/5/20
3700	22.7	3.250	38.400	3.12	37.70	4.17	1.86	±5	2023/5/28
3700	22.5	3.190	38.500	3.12	37.70	2.24	2.12	±5	2023/5/31
3700	22.7	3.170	38.100	3.12	37.70	1.60	1.06	±5	2023/6/1
3700	22.7	3.170	38.100	3.12	37.70	1.60	1.06	±5	2023/6/1
3700	22.7	3.080	37.400	3.12	37.70	-1.28	-0.80	±5	2023/6/2
3700	22.2	3.050	36.700	3.12	37.70	-2.24	-2.65	±5	2023/6/7
3900	22.5	3.400	38.300	3.33	37.51	2.10	2.11	±5	2023/5/31
3900	22.5	3.360	37.900	3.33	37.51	0.90	1.04	±5	2023/6/2
3900	22.5	3.220	36.300	3.33	37.51	-3.30	-3.23	±5	2023/6/3
3900	22.7	3.400	37.100	3.33	37.51	2.10	-1.09	±5	2023/6/5
3900	22.5	3.320	37.500	3.33	37.51	-0.30	-0.03	±5	2023/6/5
3900	22.6	3.350	36.500	3.33	37.51	0.60	-2.69	±5	2023/6/6
3900	22.8	3.410	37.900	3.33	37.51	2.40	1.04	±5	2023/6/8
3900	22.8	3.280	37.100	3.33	37.51	-1.50	-1.09	±5	2023/7/7
5250	22.5	4.600	35.500	4.71	35.95	-2.34	-1.25	±5	2023/5/3
5250	22.6	4.650	35.700	4.71	35.95	-1.27	-0.70	±5	2023/5/16
5250	22.5	4.786	37.018	4.71	35.95	1.61	2.97	±5	2023/8/15
5600	22.5	5.000	34.900	5.07	35.50	-1.38	-1.69	±5	2023/5/3
5600	22.2	5.210	36.200	5.07	35.50	2.76	1.97	±5	2023/5/5
5600	22.6	5.040	35.100	5.07	35.50	-0.59	-1.13	±5	2023/5/16
5750	22.5	5.180	34.500	5.22	35.35	-0.77	-2.40	±5	2023/5/3
5750	22.6	5.230	34.700	5.22	35.35	0.19	-1.84	±5	2023/5/16
5850	22.5	5.290	34.400	5.32	35.25	-0.56	-2.41	±5	2023/5/3
5850	22.2	5.490	35.900	5.32	35.25	3.20	1.84	±5	2023/5/5
5850	22.7	5.370	34.600	5.32	35.25	0.94	-1.84	±5	2023/5/17
6500	22.9	6.210	34.800	6.07	34.50	2.31	0.87	±5	2023/5/6
6500	22.8	6.170	34.700	6.07	34.50	1.65	0.58	±5	2023/5/18

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 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR16	2023/6/1	13	1000	CLA13-1022	EX3DV4 - SN3931	DAE4 Sn1696	0.561	0.560	0.561	0.18	0.347	0.349	0.347	-0.86
SAR16	2023/4/22	750	50	D750V3-1107	EX3DV4 - SN3931	DAE4 Sn1696	0.400	8.540	8	-6.32	0.261	5.570	5.22	-6.28
SAR16	2023/4/23	750	50	D750V3-1107	EX3DV4 - SN3931	DAE4 Sn1696	0.400	8.540	8	-6.32	0.262	5.570	5.24	-5.92
SAR16	2023/4/24	750	50	D750V3-1107	EX3DV4 - SN3931	DAE4 Sn1696	0.391	8.540	7.82	-8.43	0.255	5.570	5.1	-8.44
SAR16	2023/4/27	750	50	D750V3-1107	EX3DV4 - SN3931	DAE4 Sn1696	0.440	8.540	8.8	3.04	0.278	5.570	5.56	-0.18
SAR16	2023/5/1	750	50	D750V3-1107	EX3DV4 - SN3931	DAE4 Sn1696	0.392	8.540	7.84	-8.20	0.256	5.570	5.12	-8.08
SAR15	2023/5/13	750	50	D750V3-1107	EX3DV4 - SN7791	DAE4 Sn1647	0.420	8.540	8.4	-1.64	0.274	5.570	5.48	-1.62
SAR15	2023/5/15	750	50	D750V3-1107	EX3DV4 - SN7791	DAE4 Sn1647	0.418	8.540	8.36	-2.11	0.275	5.570	5.5	-1.26
SAR15	2023/5/17	750	50	D750V3-1107	EX3DV4 - SN7791	DAE4 Sn1647	0.407	8.540	8.14	-4.68	0.268	5.570	5.36	-3.77
SAR16	2023/5/18	750	50	D750V3-1107	EX3DV4 - SN3931	DAE4 Sn1696	0.395	8.540	7.9	-7.49	0.262	5.570	5.24	-5.92
SAR15	2023/5/27	750	50	D750V3-1107	EX3DV4 - SN7791	DAE4 Sn1647	0.408	8.540	8.16	-4.45	0.268	5.570	5.36	-3.77
SAR16	2023/4/25	835	50	D835V2-4d167	EX3DV4 - SN3931	DAE4 Sn1696	0.486	9.800	9.72	-0.82	0.314	6.380	6.28	-1.57
SAR16	2023/5/3	835	50	D835V2-4d167	EX3DV4 - SN3931	DAE4 Sn1696	0.493	9.800	9.86	0.61	0.320	6.380	6.4	0.31
SAR16	2023/5/5	835	50	D835V2-4d167	EX3DV4 - SN3931	DAE4 Sn1696	0.492	9.800	9.84	0.41	0.317	6.380	6.34	-0.63
SAR16	2023/5/14	835	50	D835V2-4d167	EX3DV4 - SN3931	DAE4 Sn1696	0.495	9.800	9.9	1.02	0.321	6.380	6.42	0.63
SAR15	2023/5/15	835	50	D835V2-4d167	EX3DV4 - SN7791	DAE4 Sn1647	0.505	9.800	10.1	3.06	0.328	6.380	6.56	2.82
SAR16	2023/5/19	835	50	D835V2-4d167	EX3DV4 - SN3931	DAE4 Sn1696	0.477	9.800	9.54	-2.65	0.310	6.380	6.2	-2.82
SAR16	2023/5/23	835	50	D835V2-4d167	EX3DV4 - SN3931	DAE4 Sn1696	0.492	9.800	9.84	0.41	0.318	6.380	6.36	-0.31
SAR15	2023/5/27	835	50	D835V2-4d167	EX3DV4 - SN7791	DAE4 Sn1647	0.506	9.800	10.12	3.27	0.328	6.380	6.56	2.82
SAR16	2023/5/4	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.750	36.900	35	-5.15	0.928	19.400	18.56	-4.33
SAR16	2023/5/6	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.710	36.900	34.2	-7.32	0.910	19.400	18.2	-6.19
SAR16	2023/5/12	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.790	36.900	35.8	-2.98	0.949	19.400	18.98	-2.16
SAR16	2023/5/14	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.680	36.900	33.6	-8.94	0.895	19.400	17.9	-7.73
SAR16	2023/5/17	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.710	36.900	34.2	-7.32	0.902	19.400	18.04	-7.01
SAR15	2023/5/17	1750	50	D1750V2-1112	EX3DV4 - SN7791	DAE4 Sn1647	1.870	36.900	37.4	1.36	0.995	19.400	19.9	2.58
SAR15	2023/5/23	1750	50	D1750V2-1112	EX3DV4 - SN7791	DAE4 Sn1694	1.870	36.900	37.4	1.36	1.000	19.400	20	3.09
SAR15	2023/5/24	1750	50	D1750V2-1112	EX3DV4 - SN7791	DAE4 Sn1647	1.840	36.900	36.8	-0.27	0.980	19.400	19.6	1.03
SAR16	2023/5/25	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.860	36.900	37.2	0.81	0.999	19.400	19.98	2.99
SAR16	2023/6/4	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.680	36.900	33.6	-8.94	0.907	19.400	18.14	-6.49
SAR16	2023/6/5	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.700	36.900	34	-7.86	0.915	19.400	18.3	-5.67
SAR16	2023/6/6	1750	50	D1750V2-1112	EX3DV4 - SN3931	DAE4 Sn1696	1.750	36.900	35	-5.15	0.939	19.400	18.78	-3.20
SAR11	2023/7/7	1750	50	D1750V2-1112	EX3DV4 - SN7694	DAE4 Sn316	1.700	36.900	34.00	-7.86	0.908	19.400	18.16	-6.39
SAR16	2023/5/4	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.930	39.000	38.6	-1.03	0.999	20.400	19.98	-2.06
SAR16	2023/5/6	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.970	39.000	39.4	1.03	1.020	20.400	20.4	0.00
SAR16	2023/5/15	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.910	39.000	38.2	-2.05	0.989	20.400	19.78	-3.04
SAR16	2023/5/17	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.940	39.000	38.8	-0.51	1.000	20.400	20	-1.96
SAR17	2023/5/21	1900	50	D1900V2-5d185	EX3DV4 - SN7625	DAE4 Sn656	1.870	39.000	37.4	-4.10	0.982	20.400	19.64	-3.73
SAR15	2023/5/22	1900	50	D1900V2-5d185	EX3DV4 - SN7791	DAE4 Sn1647	2.040	39.000	40.8	4.62	1.070	20.400	21.4	4.90
SAR16	2023/5/24	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.930	39.000	38.6	-1.03	1.000	20.400	20	-1.96
SAR16	2023/6/3	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.880	39.000	37.6	-3.59	0.990	20.400	19.8	-2.94
SAR16	2023/6/5	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.920	39.000	38.4	-1.54	1.010	20.400	20.2	-0.98
SAR16	2023/6/6	1900	50	D1900V2-5d185	EX3DV4 - SN3931	DAE4 Sn1696	1.970	39.000	39.4	1.03	1.030	20.400	20.6	0.98
SAR11	2023/8/15	1900	50	D1900V2-5d093	EX3DV4 - SN3931	DAE4 Sn1794	1.990	39.900	39.8	-0.25	1.040	20.700	20.8	0.48
SAR11	2023/8/15	1900	250	D1900V2-5d093	EX3DV4 - SN7590	DAE4 Sn1647	10.100	39.900	40.4	1.25	5.270	20.700	21.08	1.84
SAR16	2023/5/12	2300	50	D2300V2-1006	EX3DV4 - SN3931	DAE4 Sn1696	2.350	48.300	47	-2.69	1.120	23.500	22.4	-4.68
SAR15	2023/5/19	2300	50	D2300V2-1006	EX3DV4 - SN7791	DAE4 Sn1647	2.440	48.300	48.8	1.04	1.170	23.500	23.4	-0.43
SAR16	2023/5/27	2300	50	D2300V2-1006	EX3DV4 - SN3931	DAE4 Sn1696	2.320	48.300	46.4	-3.93	1.120	23.500	22.4	-4.68

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR17	2023/5/7	2450	250	D2450V2-929	EX3DV4 - SN7625	DAE4 Sn656	12.600	52.400	50.4	-3.82	5.880	24.700	23.52	-4.78
SAR17	2023/5/12	2450	50	D2450V2-929	EX3DV4 - SN7625	DAE4 Sn656	2.750	52.400	55	4.96	1.260	24.700	25.2	2.02
SAR17	2023/5/14	2450	50	D2450V2-929	EX3DV4 - SN7625	DAE4 Sn656	2.420	52.400	48.4	-7.63	1.130	24.700	22.6	-8.50
SAR17	2023/5/19	2450	50	D2450V2-929	EX3DV4 - SN7625	DAE4 Sn656	2.410	52.400	48.2	-8.02	1.130	24.700	22.6	-8.50
SAR11	2023/8/15	2450	50	D2450V2-736	EX3DV4 - SN3931	DAE4 Sn1794	2.670	54.200	53.4	-1.48	1.310	25.300	26.2	3.56
SAR16	2023/5/4	2600	50	D2600V2-1078	EX3DV4 - SN3931	DAE4 Sn1696	2.800	55.400	56	1.08	1.260	24.900	25.2	1.20
SAR16	2023/5/9	2600	50	D2600V2-1078	EX3DV4 - SN3931	DAE4 Sn1696	2.740	55.400	54.8	-1.08	1.230	24.900	24.6	-1.20
SAR16	2023/5/16	2600	50	D2600V2-1078	EX3DV4 - SN3931	DAE4 Sn1696	2.750	55.400	55	-0.72	1.230	24.900	24.6	-1.20
SAR16	2023/5/20	2600	50	D2600V2-1078	EX3DV4 - SN3931	DAE4 Sn1696	2.680	55.400	53.6	-3.25	1.210	24.900	24.2	-2.81
SAR15	2023/5/20	2600	50	D2600V2-1078	EX3DV4 - SN7791	DAE4 Sn1647	2.940	55.400	58.8	6.14	1.330	24.900	26.6	6.83
SAR16	2023/5/22	2600	50	D2600V2-1078	EX3DV4 - SN3931	DAE4 Sn1696	2.730	55.400	54.6	-1.44	1.240	24.900	24.8	-0.40
SAR16	2023/5/26	2600	50	D2600V2-1078	EX3DV4 - SN3931	DAE4 Sn1696	2.700	55.400	54	-2.53	1.230	24.900	24.6	-1.20
SAR15	2023/5/30	2600	50	D2600V2-1078	EX3DV4 - SN7791	DAE4 Sn1647	2.900	55.400	58	4.69	1.310	24.900	26.2	5.22
SAR15	2023/5/31	2600	50	D2600V2-1078	EX3DV4 - SN7791	DAE4 Sn1647	2.920	55.400	58.4	5.42	1.320	24.900	26.4	6.02
SAR15	2023/6/1	2600	50	D2600V2-1078	EX3DV4 - SN7791	DAE4 Sn1647	2.970	55.400	59.4	7.22	1.340	24.900	26.8	7.63
SAR11	2023/7/7	2600	50	D2600V2-1078	EX3DV4 - SN7694	DAE4 Sn316	2.600	55.400	52	-6.14	1.170	24.900	23.40	-6.02
SAR13	2023/5/31	3300	50	D3300V2-1034	EX3DV4 - SN7700	DAE4 Sn1697	3.290	67.300	65.8	-2.23	1.270	25.900	25.4	-1.93
SAR16	2023/5/28	3500	50	D3500V2-1014	EX3DV4 - SN3931	DAE4 Sn1696	3.360	67.200	67.2	0.00	1.340	25.100	26.8	6.77
SAR13	2023/5/31	3500	50	D3500V2-1014	EX3DV4 - SN7700	DAE4 Sn1697	3.160	67.200	63.2	-5.95	1.200	25.100	24	-4.38
SAR16	2023/6/1	3500	50	D3500V2-1014	EX3DV4 - SN3931	DAE4 Sn1696	3.420	67.200	68.4	1.79	1.350	25.100	27	7.57
SAR12	2023/6/1	3500	50	D3500V2-1014	EX3DV4 - SN7590	DAE4 Sn699	3.450	67.200	69	2.68	1.360	25.100	27.2	8.37
SAR16	2023/6/2	3500	50	D3500V2-1014	EX3DV4 - SN3931	DAE4 Sn1696	3.410	67.200	68.2	1.49	1.350	25.100	27	7.57
SAR15	2023/6/2	3500	50	D3500V2-1014	EX3DV4 - SN7791	DAE4 Sn1647	3.100	67.200	62	-7.74	1.240	25.100	24.8	-1.20
SAR13	2023/6/2	3500	50	D3500V2-1014	EX3DV4 - SN7700	DAE4 Sn1697	3.240	67.200	64.8	-3.57	1.240	25.100	24.8	-1.20
SAR15	2023/6/3	3500	50	D3500V2-1014	EX3DV4 - SN7791	DAE4 Sn1647	3.080	67.200	61.6	-8.33	1.230	25.100	24.6	-1.99
SAR15	2023/6/5	3500	50	D3500V2-1014	EX3DV4 - SN7791	DAE4 Sn1647	3.180	67.200	63.6	-5.36	1.280	25.100	25.6	1.99
SAR13	2023/6/5	3500	50	D3500V2-1014	EX3DV4 - SN7700	DAE4 Sn1697	3.150	67.200	63	-6.25	1.200	25.100	24	-4.38
SAR15	2023/6/6	3500	50	D3500V2-1014	EX3DV4 - SN7791	DAE4 Sn1647	3.310	67.200	66.2	-1.49	1.320	25.100	26.4	5.18
SAR15	2023/6/7	3500	50	D3500V2-1014	EX3DV4 - SN7791	DAE4 Sn1647	3.400	67.200	68	1.19	1.350	25.100	27	7.57
SAR14	2023/6/8	3500	50	D3500V2-1014	EX3DV4 - SN3976	DAE4 Sn661	3.440	67.200	68.8	2.38	1.360	25.100	27.2	8.37
SAR11	2023/7/7	3500	50	D3500V2-1014	EX3DV4 - SN7694	DAE4 Sn316	3.220	67.200	64.40	-4.17	1.240	25.100	24.80	-1.20
SAR14	2023/7/7	3500	47	D3500V2-1014	EX3DV4 - SN3976	DAE4 Sn1707	2.900	67.200	61.70	-8.18	1.120	25.100	23.83	-5.06
SAR16	2023/5/20	3700	50	D3700V2-1006	EX3DV4 - SN3931	DAE4 Sn1696	3.380	65.600	67.6	3.05	1.290	23.700	25.8	8.86
SAR16	2023/5/28	3700	50	D3700V2-1022	EX3DV4 - SN3931	DAE4 Sn1696	3.500	68.200	70	2.64	1.350	24.700	27	9.31
SAR13	2023/5/31	3700	50	D3700V2-1006	EX3DV4 - SN7700	DAE4 Sn1697	3.180	65.600	63.6	-3.05	1.170	23.700	23.4	-1.27
SAR16	2023/6/1	3700	50	D3700V2-1006	EX3DV4 - SN3931	DAE4 Sn1696	3.560	65.600	71.2	8.54	1.250	23.700	25	5.49
SAR12	2023/6/1	3700	50	D3700V2-1006	EX3DV4 - SN7590	DAE4 Sn699	3.590	65.600	71.8	9.45	1.280	23.700	25.6	8.02
SAR16	2023/6/2	3700	50	D3700V2-1006	EX3DV4 - SN3931	DAE4 Sn1696	3.510	65.600	70.2	7.01	1.250	23.700	25	5.49
SAR15	2023/6/7	3700	50	D3700V2-1006	EX3DV4 - SN7791	DAE4 Sn1647	3.260	65.600	65.2	-0.61	1.270	23.700	25.4	7.17
SAR13	2023/5/31	3900	50	D3900V2-1017-3900	EX3DV4 - SN7700	DAE4 Sn1697	3.380	68.700	67.6	-1.60	1.200	23.900	24	0.42
SAR13	2023/6/2	3900	50	D3900V2-1017-3900	EX3DV4 - SN7700	DAE4 Sn1697	3.670	68.700	73.4	6.84	1.310	23.900	26.2	9.62
SAR15	2023/6/3	3900	50	D3900V2-1017-3900	EX3DV4 - SN7791	DAE4 Sn1647	3.390	68.700	67.8	-1.31	1.250	23.900	25	4.60
SAR15	2023/6/5	3900	50	D3900V2-1017-3900	EX3DV4 - SN7791	DAE4 Sn1647	3.290	68.700	65.8	-4.22	1.240	23.900	24.8	3.77
SAR13	2023/6/5	3900	50	D3900V2-1017-3900	EX3DV4 - SN7700	DAE4 Sn1697	3.310	68.700	66.2	-3.64	1.180	23.900	23.6	-1.26
SAR15	2023/6/6	3900	50	D3900V2-1017-3900	EX3DV4 - SN7791	DAE4 Sn1647	3.270	68.700	65.4	-4.80	1.180	23.900	23.6	-1.26
SAR14	2023/6/8	3900	50	D3900V2-1017-3900	EX3DV4 - SN3976	DAE4 Sn661	3.440	68.700	68.8	0.15	1.270	23.900	25.4	6.28
SAR14	2023/7/7	3900	46	D3900V2-1017-3900	EX3DV4 - SN3976	DAE4 Sn1707	2.880	68.700	62.61	-8.87	1.000	23.900	21.74	-9.04

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR13	2023/5/3	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN7700	DAE4 Sn1697	4.490	81.700	89.8	9.91	1.260	23.200	25.2	8.62
SAR17	2023/5/16	5250	50	D5GHzV2-1128-5250	EX3DV4 - SN7625	DAE4 Sn656	3.560	77.900	71.2	-8.60	1.070	22.600	21.4	-5.31
SAR11	2023/8/15	5250	100	D5GHzV2-1128-5250	EX3DV4 - SN7590	DAE4 Sn1647	7.430	77.900	74.3	-4.62	2.110	22.600	21.1	-6.64
SAR13	2023/5/3	5600	50	D5GHzV2-1006-5600	EX3DV4 - SN7700	DAE4 Sn1697	3.990	85.100	79.8	-6.23	1.130	24.000	22.6	-5.83
SAR13	2023/5/5	5600	50	D5GHzV2-1006-5600	EX3DV4 - SN7700	DAE4 Sn1697	4.030	85.100	80.6	-5.29	1.150	24.000	23	-4.17
SAR17	2023/5/16	5600	50	D5GHzV2-1128-5600	EX3DV4 - SN7625	DAE4 Sn656	4.030	80.100	80.6	0.62	1.200	22.700	24	5.73
SAR13	2023/5/3	5750	50	D5GHzV2-1006-5750	EX3DV4 - SN7700	DAE4 Sn1697	3.960	81.400	79.2	-2.70	1.110	22.900	22.2	-3.06
SAR17	2023/5/16	5750	50	D5GHzV2-1128-5750	EX3DV4 - SN7625	DAE4 Sn656	3.850	79.300	77	-2.90	1.160	22.700	23.2	2.20
SAR17	2023/5/3	5850	50	D5GHzV2-1171-5850	EX3DV4 - SN7625	DAE4 Sn656	3.890	82.300	77.8	-5.47	1.120	23.100	22.4	-3.03
SAR17	2023/5/5	5850	50	D5GHzV2-1171-5850	EX3DV4 - SN7625	DAE4 Sn656	4.010	82.300	80.2	-2.55	1.160	23.100	23.2	0.43
SAR17	2023/5/17	5850	50	D5GHzV2-1171-5850	EX3DV4 - SN7625	DAE4 Sn656	3.900	82.300	78	-5.22	1.160	23.100	23.2	0.43
SAR17	2023/5/6	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7625	DAE4 Sn656	30.000	291.000	300	3.09	5.640	53.900	56.4	4.64
SAR17	2023/5/18	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7625	DAE4 Sn656	30.500	291.000	305	4.81	5.850	53.900	58.5	8.53

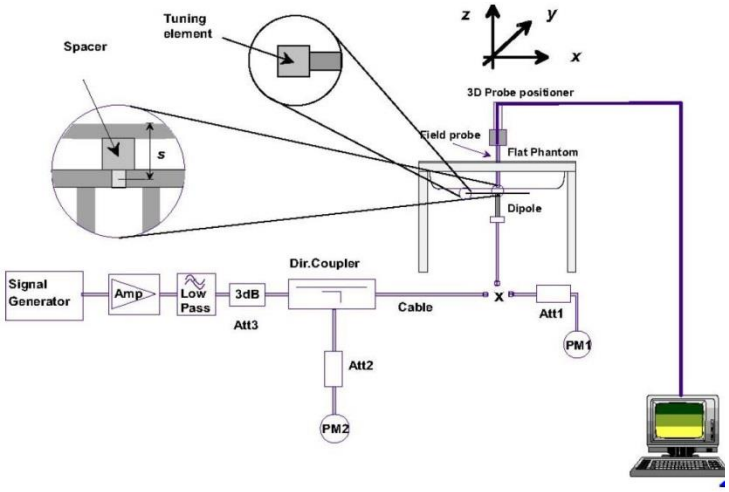


Fig 8.3.1 System Performance Check Setup

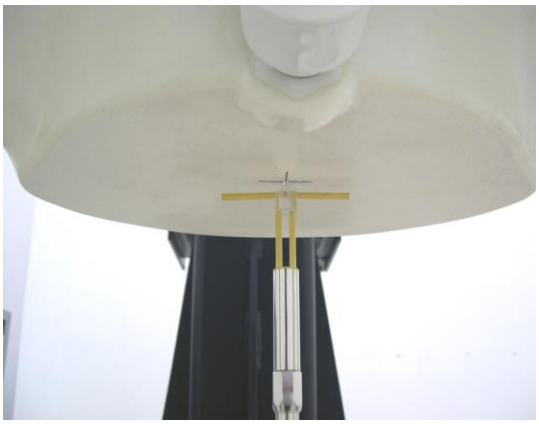


Fig 8.3.2 Setup Photo

10.3 PD System Performance Check Results

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

Test Location	Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Measured 4 cm^2 (W/m^2)	Targeted 4 cm^2 (W/m^2)	Deviation (dB)	Date
SAR13	10G	10GHz_1020	EUmmWV3 - SN9461	Sn1399	10	58.2	54.9	0.25	2023/5/4

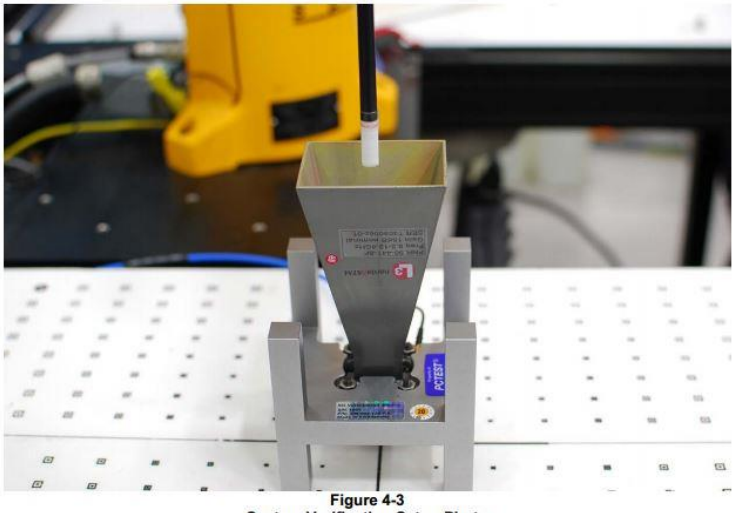


Figure 4-3
System Verification Setup Photo

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.

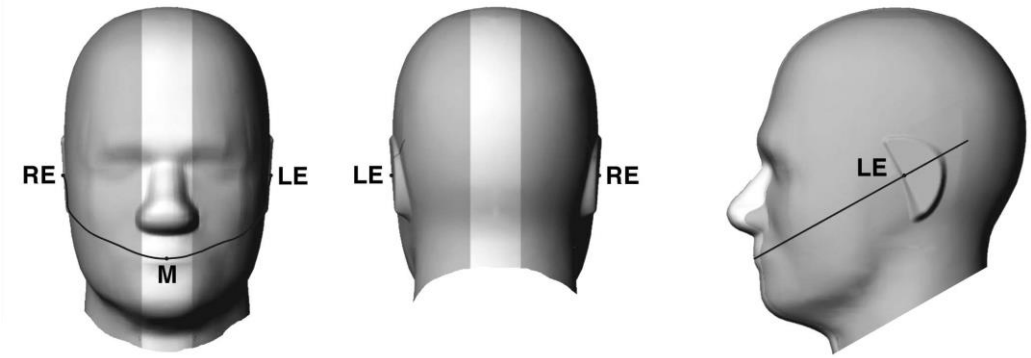


Fig 9.1.1 Front, back, and side views of SAM twin phantom

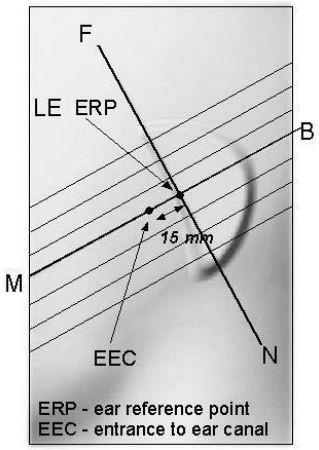


Fig 9.1.2 Close-up side view of phantom showing the ear region.

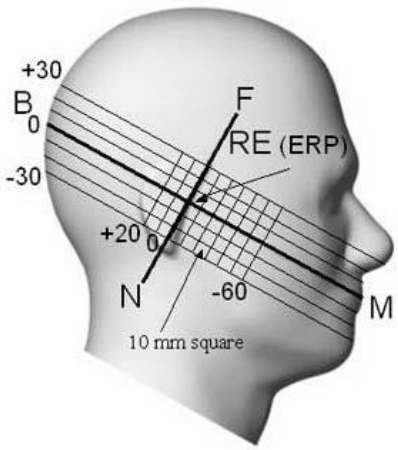


Fig 9.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

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.

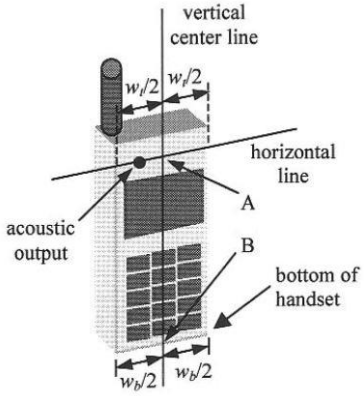


Fig 9.2.1 Handset vertical and horizontal reference lines—"fixed case

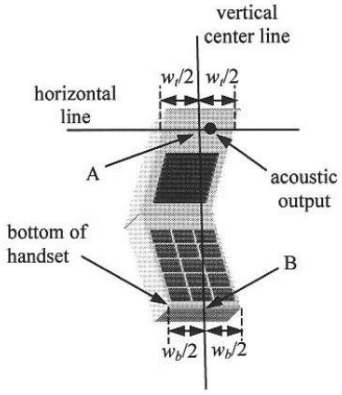


Fig 9.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

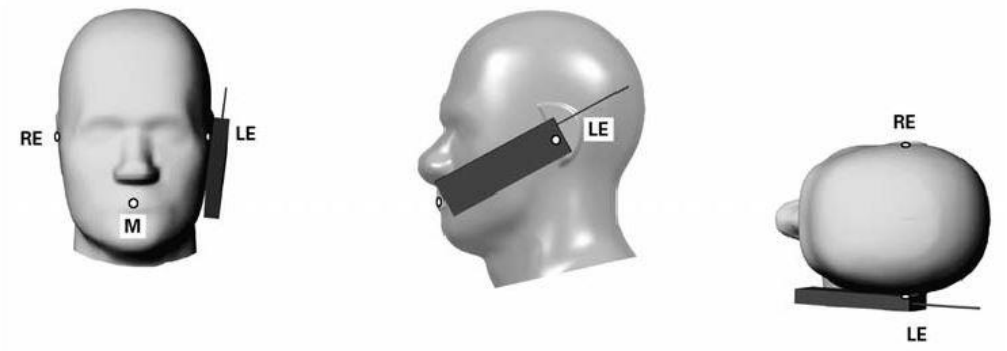


Fig 9.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

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

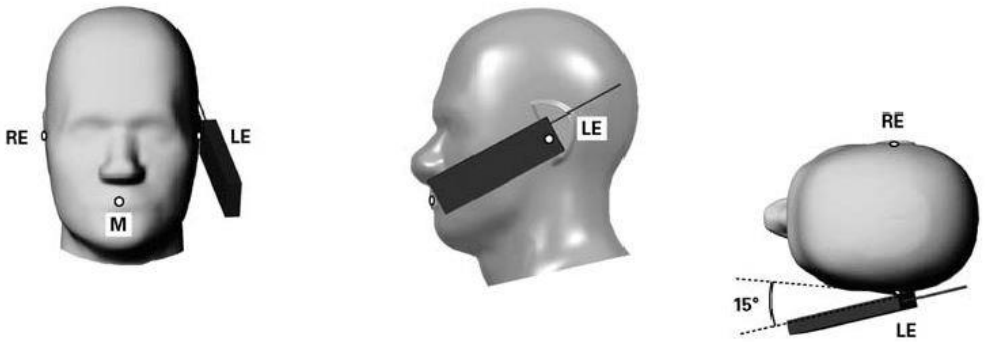


Fig 9.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

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.

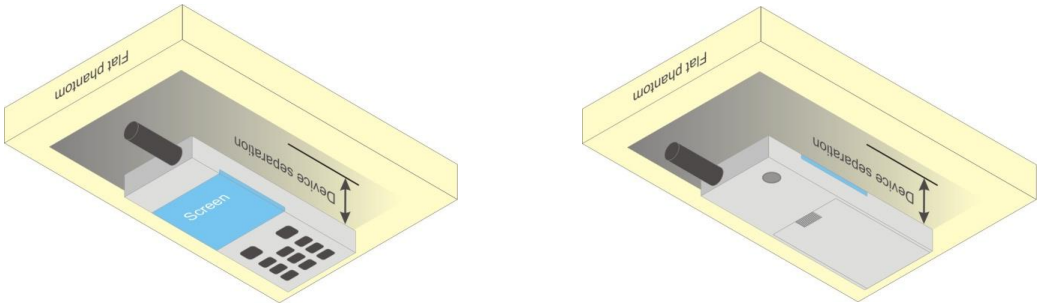


Fig 9.4 Body Worn Position

11.5 Product Specific Exposure

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

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.

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

11.6 Wireless Router

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 v02r01 where SAR test considerations for handsets (L 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 β_{hs} = 30/15 * β_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 β_{hs} = 30/15 * β_c, and Δ_{CQI} = 24/15 with β_{hs} = 24/15 * β_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 Conducted Power>

General 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 Anritsu MT8820C (firmware: #22.52#004) was used for LTE output power measurements and SAR testing.

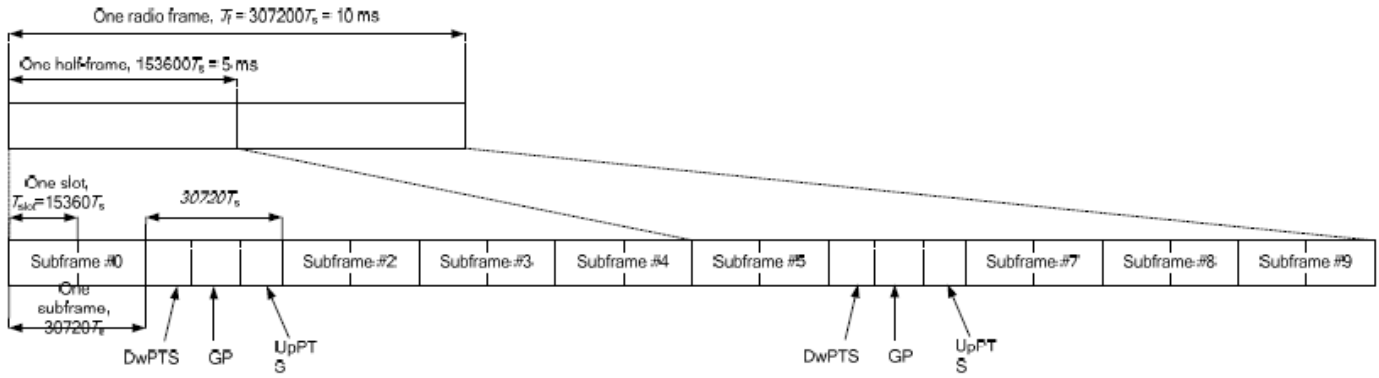


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

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 operations.

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 SISO mode support only when the Antenna 3 and 4 is transmitting on 802.11b mode, other support MIMO mode.
2. 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.
3. 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.
4. 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).
5. 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.
6. 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.18 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.
7. 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)
8. In applying the test guidance, the IEEE 802.11 mode with the maximum output power (out of all modes) should be considered for testing
9. 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
10. 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	77.13
	1/2/3/4	Ant 4+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. 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_2A-12A	3CC-81	81	CA_2A-12A-30A	4CC-239	239	CA_2A-12A-30A-66A	5CC-412
2	CA_2A-13A	3CC-85	82	CA_2A-12A-66A	4CC-240	240	CA_2A-12A-66A-66A	5CC-423
3	CA_2A-14A	3CC-88	83	CA_2A-12A-12A	4CC-282	241	CA_2A-12A-66C	5CC-423
4	CA_2A-17A	No	84	CA_2A-12B	4CC-242	242	CA_2A-12B-66A	5CC-413
5	CA_2A-29A	3CC-89	85	CA_2A-13A-46A	4CC-243	243	CA_2A-13A-46C	5CC-414
6	CA_2A-2A	3CC-91	86	CA_2A-13A-48A	4CC-244	244	CA_2A-13A-48A-48A	5CC-415
7	CA_2A-30A	3CC-94	87	CA_2A-13A-66A	4CC-247	245	CA_2A-13A-48A-66A	5CC-415
8	CA_2A-46A	3CC-95	88	CA_2A-14A-30A	4CC-250	246	CA_2A-13A-48C	5CC-416
9	CA_2A-48A	3CC-104	89	CA_2A-29A-30A	4CC-252	247	CA_2A-13A-66A-66A	5CC-425
10	CA_2A-4A	3CC-96	90	CA_2A-29A-66A	4CC-389	248	CA_2A-13A-66B	5CC-419
11	CA_2A-5A	3CC-97	91	CA_2A-2A-12A	4CC-253	249	CA_2A-13A-66C	5CC-419
12	CA_2A-66A	3CC-82	92	CA_2A-2A-13A	4CC-256	250	CA_2A-14A-30A-66A	5CC-421
13	CA_2A-71A	3CC-99	93	CA_2A-2A-29A	4CC-257	251	CA_2A-14A-66A-66A	5CC-420
14	CA_2A-7A	3CC-100	94	CA_2A-2A-30A	4CC-258	252	CA_2A-29A-30A-66A	5CC-428
15	CA_2C	3CC-131	95	CA_2A-2A-46A	4CC-259	253	CA_2A-2A-12A-30A	5CC-422
16	CA_4A-12A	3CC-107	96	CA_2A-2A-4A	4CC-260	254	CA_2A-2A-12A-66A	5CC-423
17	CA_4A-13A	3CC-108	97	CA_2A-2A-5A	4CC-264	255	CA_2A-2A-12B	5CC-424
18	CA_4A-17A	No	98	CA_2A-2A-66A	4CC-267	256	CA_2A-2A-13A-66A	5CC-425
19	CA_4A-29A	3CC-108	99	CA_2A-2A-71A	4CC-263	257	CA_2A-2A-29A-30A	5CC-428
20	CA_4A-30A	3CC-110	100	CA_2A-2A-7A	4CC-271	258	CA_2A-2A-30A-66A	5CC-426
21	CA_4A-46A	3CC-136	101	CA_2A-30A-66A	4CC-258	259	CA_2A-2A-46C	5CC-430
22	CA_4A-48A	3CC-137	102	CA_2A-46A-66A	4CC-274	260	CA_2A-2A-4A-12A	4CC-281
23	CA_4A-4A	3CC-111	103	CA_2A-46C	4CC-259	261	CA_2A-2A-4A-4A	4CC-60
24	CA_4A-5A	3CC-112	104	CA_2A-48A-48A	4CC-277	262	CA_2A-2A-4A-5A	4CC-287
25	CA_4A-71A	3CC-113	105	CA_2A-48A-66A	4CC-395	263	CA_2A-2A-4A-71A	No
26	CA_4A-7A	3CC-114	106	CA_2A-48C	4CC-279	264	CA_2A-2A-5A-30A	5CC-431
27	CA_5A-25A	No	107	CA_2A-4A-12A	4CC-260	265	CA_2A-2A-5A-66A	5CC-432
28	CA_5A-30A	3CC-115	108	CA_2A-4A-13A	No	266	CA_2A-2A-5B	5CC-435
29	CA_5A-46A	3CC-116	109	CA_2A-4A-29A	4CC-284	267	CA_2A-2A-66A-66A	5CC-423
30	CA_5A-48A	3CC-117	110	CA_2A-4A-30A	4CC-281	268	CA_2A-2A-66A-71A	5CC-504
31	CA_5A-5A	3CC-153	111	CA_2A-4A-4A	4CC-261	269	CA_2A-2A-66B	5CC-433
32	CA_5A-66A	3CC-118	112	CA_2A-4A-5A	4CC-287	270	CA_2A-2A-66C	5CC-434
33	CA_5A-7A	3CC-119	113	CA_2A-4A-71A	4CC-263	271	CA_2A-2A-7A-12A	5CC-436
34	CA_5B	3CC-120	114	CA_2A-4A-7A	4CC-289	272	CA_2A-2A-7A-66A	5CC-503
35	CA_7A-12A	3CC-125	115	CA_2A-5A-30A	4CC-264	273	CA_2A-30A-66A-66A	5CC-412
36	CA_7A-13A	3CC-126	116	CA_2A-5A-46A	4CC-293	274	CA_2A-46A-66A-66A	5CC-492
37	CA_7A-26A	3CC-170	117	CA_2A-5A-48A	4CC-294	275	CA_2A-46C-66A	5CC-437
38	CA_7A-29A	3CC-127	118	CA_2A-5A-66A	4CC-265	276	CA_2A-46D	5CC-438
39	CA_7A-46A	3CC-166	119	CA_2A-5A-7A	4CC-392	277	CA_2A-48A-48A-66A	5CC-415
40	CA_7A-66A	3CC-128	120	CA_2A-5B	4CC-266	278	CA_2A-48A-48C	5CC-441
41	CA_7A-7A	3CC-129	121	CA_2A-66A-66A	4CC-267	279	CA_2A-48C-66A	5CC-500
42	CA_7C	3CC-130	122	CA_2A-66A-71A	4CC-268	280	CA_2A-48D	5CC-444
43	CA_12A-12A	3CC-132	123	CA_2A-66B	4CC-269	281	CA_2A-4A-12A-30A	No

44	CA_12A-25A	No	124	CA_2A-66C	4CC-270	282	CA_2A-4A-12A-12A	4CC-281
45	CA_12A-30A	3CC-133	125	CA_2A-7A-12A	4CC-271	283	CA_2A-4A-12B	4CC-281
46	CA_12A-46A	3CC-178	126	CA_2A-7A-13A	4CC-384	284	CA_2A-4A-29A-30A	No
47	CA_12A-66A	3CC-163	127	CA_2A-7A-29A	4CC-307	285	CA_2A-4A-4A-12A	4CC-289
48	CA_12B	3CC-134	128	CA_2A-7A-66A	4CC-272	286	CA_2A-4A-4A-5A	4CC-287
49	CA_13A-46A	3CC-182	129	CA_2A-7A-7A	4CC-309	287	CA_2A-4A-5A-30A	No
50	CA_13A-48A	3CC-184	130	CA_2A-7C	4CC-312	288	CA_2A-4A-5B	4CC-287
51	CA_13A-66A	3CC-187	131	CA_2C-66A	4CC-315	289	CA_2A-4A-7A-12A	No
52	CA_14A-30A	3CC-190	132	CA_4A-12A-12A	4CC-282	290	CA_2A-4A-7A-7A	4CC-289
53	CA_14A-66A	3CC-191	133	CA_4A-12A-30A	4CC-281	291	CA_2A-4A-7C	4CC-289
54	CA_25A-25A	3CC-192	134	CA_4A-12B	4CC-283	292	CA_2A-5A-30A-66A	5CC-446
55	CA_25A-26A	3CC-192	135	CA_4A-29A-30A	4CC-284	293	CA_2A-5A-46C	5CC-447
56	CA_25A-41A	3CC-193	136	CA_4A-46C	4CC-316	294	CA_2A-5A-48A-66A	5CC-502
57	CA_29A-30A	3CC-135	137	CA_4A-48C	4CC-317	295	CA_2A-5A-48C	5CC-448
58	CA_29A-66A	3CC-165	138	CA_4A-4A-12A	4CC-285	296	CA_2A-5A-5A-66A	5CC-499
59	CA_30A-66A	3CC-148	139	CA_4A-4A-13A	3CC-108	297	CA_2A-5A-66A-66A	5CC-432
60	CA_38C	No	140	CA_4A-4A-5A	4CC-286	298	CA_2A-5A-66B	5CC-433
61	CA_41A-41A	3CC-230	141	CA_4A-4A-71A	4CC-263	299	CA_2A-5A-66C	5CC-434
62	CA_41C	3CC-193	142	CA_4A-4A-7A	4CC-289	300	CA_2A-5B-30A	5CC-450
63	CA_46A-66A	3CC-149	143	CA_4A-5A-30A	4CC-287	301	CA_2A-5B-66A	5CC-451
64	CA_46A-71A	3CC-201	144	CA_4A-5B	4CC-288	302	CA_2A-66A-66A-66A	5CC-420
65	CA_48A-48A	3CC-184	145	CA_4A-7A-12A	4CC-289	303	CA_2A-66A-66A-71A	5CC-504
66	CA_48A-66A	3CC-151	146	CA_4A-7A-7A	4CC-290	304	CA_2A-66A-66B	5CC-419
67	CA_48C	3CC-137	147	CA_4A-7C	4CC-291	305	CA_2A-66C-71A	5CC-504
68	CA_66A-66A	3CC-154	148	CA_5A-30A-66A	4CC-292	306	CA_2A-7A-12A-66A	5CC-505
69	CA_66A-71A	3CC-210	149	CA_5A-46A-66A	5CC-459	307	CA_2A-7A-29A-66A	5CC-454
70	CA_66B	3CC-155	150	CA_5A-46C	4CC-321	308	CA_2A-7A-66A-66A	5CC-455
71	CA_66C	3CC-156	151	CA_5A-48A-66A	4CC-394	309	CA_2A-7A-7A-29A	5CC-454
72	CA_48A-71A	3CC-218	152	CA_5A-48C	4CC-295	310	CA_2A-7A-7A-66A	5CC-455
73	CA_2A-26A	3CC-221	153	CA_5A-5A-66A	4CC-296	311	CA_2A-7A-7A-13A	5CC-508
74	CA_46A-48A	3CC-214	154	CA_5A-66A-66A	4CC-297	312	CA_2A-7C-66A	5CC-456
75	CA_26A-66A	3CC-221	155	CA_5A-66B	4CC-298	313	CA_2A-7C-13A	5CC-495
76	CA_7A-71A	3CC-231	156	CA_5A-66C	4CC-299	314	CA_2A-7C-29A	5CC-457
77	CA_12A-48A	3CC-229	157	CA_5A-7A-7A	4CC-398	315	CA_2C-66A-66A	5CC-437
78	CA_41A-46A	3CC-230	158	CA_5A-7A-66A	4CC-328	316	CA_4A-46D	No
79	CA_25A-66A	3CC-233	159	CA_5A-7C	4CC-329	317	CA_4A-48D	5CC-458
80	CA_7A-25A	3CC-234	160	CA_5B-30A	4CC-330	318	CA_4A-4A-12B	4CC-285
			161	CA_5B-46A	4CC-331	319	CA_4A-4A-5B	4CC-286
			162	CA_5B-66A	4CC-332	320	CA_5A-30A-66A-66A	5CC-446
			163	CA_7A-12A-66A	4CC-306	321	CA_5A-46C-66A	5CC-459
			164	CA_7A-12B	4CC-336	322	CA_5A-46D	5CC-447
			165	CA_7A-29A-66A	4CC-307	323	CA_5A-48C-66A	5CC-501
			166	CA_7A-46A-66A	No	324	CA_5A-48D	5CC-449
			167	CA_7A-46C	4CC-339	325	CA_5A-5A-66A-66A	5CC-499
			168	CA_7A-66A-66A	4CC-308	326	CA_5A-5A-66B	5CC-499
			169	CA_7A-7A-13A	4CC-311	327	CA_5A-5A-66C	5CC-499
			170	CA_7A-7A-26A	4CC-383	328	CA_5A-7A-66A-66A	5CC-506
			171	CA_7A-7A-29A	4CC-338	329	CA_5A-7C-66A	5CC-512
			172	CA_7A-7A-46A	3CC-166	330	CA_5B-30A-66A	5CC-450
			173	CA_7A-7A-66A	4CC-310	331	CA_5B-46C	5CC-464
			174	CA_7C-29A	4CC-314	332	CA_5B-66A-66A	5CC-451
			175	CA_7C-66A	4CC-312	333	CA_5B-66B	5CC-452
			176	CA_7C-13A	4CC-385	334	CA_5B-66C	5CC-453
			177	CA_12A-30A-66A	4CC-343	335	CA_7A-12A-66A-66A	5CC-505
			178	CA_12A-46C	4CC-344	336	CA_7A-12B-66A	5CC-505
			179	CA_12A-66A-66A	4CC-335	337	CA_7A-46D	5CC-466

			180	CA_12A-66C	4CC-241	338	CA_7A-7A-29A-66A	5CC-454
			181	CA_12B-66A	4CC-336	339	CA_7A-7A-46C	5CC-466
			182	CA_13A-46A-66A	4CC-346	340	CA_7A-7A-66A-66A	5CC-455
			183	CA_13A-46C	4CC-347	341	CA_7C-29A-66A	5CC-457
			184	CA_13A-48A-48A	4CC-348	342	CA_7C-66A-66A	5CC-456
			185	CA_13A-48A-66A	4CC-245	343	CA_12A-30A-66A-66A	5CC-412
			186	CA_13A-48C	4CC-352	344	CA_12A-46D	5CC-467
			187	CA_13A-66A-66A	4CC-247	345	CA_12B-66A-66A	5CC-413
			188	CA_13A-66B	4CC-248	346	CA_13A-46C-66A	5CC-468
			189	CA_13A-66C	4CC-249	347	CA_13A-46D	5CC-414
			190	CA_14A-30A-66A	4CC-357	348	CA_13A-48A-48A-66A	5CC-415
			191	CA_14A-66A-66A	4CC-386	349	CA_13A-48A-48C	5CC-415
			192	CA_25A-25A-26A	4CC-410	350	CA_13A-48A-66B	5CC-415
			193	CA_25A-41C	4CC-358	351	CA_13A-48A-66C	5CC-415
			194	CA_29A-30A-66A	4CC-359	352	CA_13A-48C-66A	5CC-417
			195	CA_29A-66A-66A	4CC-389	353	CA_13A-48D	5CC-418
			196	CA_30A-66A-66A	4CC-343	354	CA_13A-66A-66B	5CC-419
			197	CA_41D	4CC-358	355	CA_13A-66A-66C	5CC-419
			198	CA_46A-66A-66A	4CC-274	356	CA_13A-66D	5CC-419
			199	CA_46A-66C	4CC-275	357	CA_14A-30A-66A-66A	5CC-421
			200	CA_46C-66A	4CC-321	358	CA_25A-41D	No
			201	CA_46C-71A	4CC-364	359	CA_29A-30A-66A-66A	5CC-428
			202	CA_48A-48A-66A	4CC-348	360	CA_41E	5CC-475
			203	CA_48A-48C	4CC-349	361	CA_46C-66A-66A	5CC-437
			204	CA_48A-66A-66A	4CC-365	362	CA_46D-66A	5CC-439
			205	CA_48A-66B	4CC-350	363	CA_46D-48A	5CC-438
			206	CA_48A-66C	4CC-351	364	CA_46D-71A	No
			207	CA_48C-66A	4CC-352	365	CA_48A-48A-66A-66A	5CC-480
			208	CA_48D	4CC-353	366	CA_48A-48A-66B	5CC-480
			209	CA_66A-66A-66A	4CC-386	367	CA_48A-48A-66C	5CC-480
			210	CA_66A-66A-71A	4CC-303	368	CA_48A-48D	5CC-442
			211	CA_66A-66B	4CC-354	369	CA_48A-48C-66A	5CC-441
			212	CA_66A-66C	4CC-355	370	CA_48C-48C	5CC-443
			213	CA_66C-71A	4CC-305	371	CA_48C-66A-66A	5CC-500
			214	CA_46A-48A-66A	4CC-382	372	CA_48C-66B	5CC-480
			215	CA_2A-46A-48A	4CC-382	373	CA_48C-66C	5CC-481
			216	CA_2A-14A-66A	4CC-381	374	CA_48D-66A	5CC-444
			217	CA_2A-2A-14A	4CC-381	375	CA_48E	5CC-445
			218	CA_48A-48A-71A	3CC-219	376	CA_46C-48A-66A	5CC-493
			219	CA_48C-71A	No	377	CA_2A-46C-48A	5CC-493
			220	CA_2A-7A-26A	4CC-383	378	CA_46A-48C-66A	5CC-492
			221	CA_2A-26A-66A	4CC-383	379	CA_2A-46A-48C	5CC-492
			222	CA_7A-26A-66A	4CC-383	380	CA_46A-48D	5CC-488
			223	CA_7A-13A-66A	4CC-384	381	CA_2A-2A-14A-66A	5CC-427
			224	CA_2A-5A-5A	4CC-296	382	CA_2A-46A-48A-66A	5CC-492
			225	CA_46A-48A-48A	4CC-380	383	CA_2A-7A-26A-66A	No
			226	CA_46C-48A	4CC-376	384	CA_2A-7A-13A-66A	5CC-508
			227	CA_46A-48C	4CC-378	385	CA_7C-13A-66A	5CC-495
			228	CA_48A-48A-48A	4CC-400	386	CA_14A-66A-66A-66A	5CC-420
			229	CA_12A-48C	No	387	CA_2A-2A-14A-30A	5CC-426
			230	CA_41A-46C	No	388	CA_2A-2A-29A-66A	5CC-429
			231	CA_2A-7A-71A	4CC-396	389	CA_2A-29A-66A-66A	5CC-429
			232	CA_7A-66A-71A	4CC-397	390	CA_46C-48A-48A	5CC-497
			233	CA_25A-25A-66A	4CC-405	391	CA_46C-48C	5CC-486
			234	CA_7A-7A-25A	4CC-403	392	CA_2A-5A-7A-66A	5CC-506
			235	CA_7A-25A-25A	4CC-403	393	CA_30A-66A-66A-66A	5CC-463

			236	CA_7A-25A-66A	4CC-404	394	CA_5A-48A-66A-66A	5CC-502
			237	CA_7C-25A	4CC-409	395	CA_2A-48A-66A-66A	5CC-502
			238	CA_7C-26A	4CC-383	396	CA_2A-2A-7A-71A	5CC-504
						397	CA_2A-7A-66A-71A	5CC-504
						398	CA_2A-5A-7A-7A	5CC-507
						399	CA_2A-5A-7C	5CC-512
						400	CA_2A-48A-48A-48A	5CC-442
						401	CA_5A-7A-7A-66A	5CC-507
						402	CA_7A-7A-13A-66A	5CC-508
						403	CA_7A-7A-25A-25A	5CC-509
						404	CA_7A-7A-25A-66A	5CC-509
						405	CA_7A-25A-25A-66A	5CC-509
						406	CA_2A-2A-7A-13A	5CC-510
						407	CA_2A-2A-7A-7A	5CC-510
						408	CA_2A-2A-7C	5CC-511
						409	CA_7C-25A-25A	5CC-513
						410	CA_7C-25A-66A	5CC-513
						411	CA_2A-2A-5A-7A	5CC-507

5CC Downlink Carrier Aggregation			6CC Downlink Carrier Aggregation			7CC Downlink Carrier Aggregation		
Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset
412	CA_2A-12A-30A-66A-66A	5CC-422	514	CA_2A-46A-48E	7CC-535	533	CA_2A-46C-48D-66A	7CC-534
413	CA_2A-12B-66A-66A	5CC-412	515	CA_2A-46A-48D-66A	7CC-533	534	CA_2A-46D-48C-66A	7CC-539
414	CA_2A-13A-46D	No	516	CA_2A-46C-48C-66A	7CC-533	535	CA_2A-46C-48E	7CC-540
415	CA_2A-13A-48A-48A-66A	No	517	CA_2A-46D-66A-66A	7CC-534	536	CA_2A-46E-66A-66A	7CC-534
416	CA_2A-13A-48A-48C	5CC-415	518	CA_2A-46E-66A	7CC-536	536	CA_46C-48E-66A	7CC-538
417	CA_2A-13A-48C-66A	5CC-415	519	CA_2A-48E-66A	7CC-539	538	CA_46E-48C-66A	7CC-534
418	CA_2A-13A-48D	5CC-415	520	CA_46C-48D-66A	7CC-535	539	CA_2A-46E-48A-66A	No
419	CA_2A-13A-66A-66B	5CC-415	521	CA_46C-48E	7CC-535	540	CA_2A-46E-48C	7CC-539
420	CA_2A-14A-66A-66A-66A	5CC-421	522	CA_46E-66A-66A	7CC-536			
421	CA_2A-14A-30A-66A-66A	5CC-426	523	CA_2A-2A-46E	7CC-540			
422	CA_2A-2A-12A-30A-66A	No	524	CA_2A-46D-48A-66A	7CC-534			
423	CA_2A-2A-12A-66A-66A	5CC-422	525	CA_2A-46C-48D	7CC-533			
424	CA_2A-2A-12B-66A	5CC-422	526	CA_2A-46D-48C	7CC-534			
425	CA_2A-2A-13A-66A-66A	5CC-422	527	CA_46D-48C-66A	7CC-534			
426	CA_2A-2A-14A-30A-66A	No	528	CA_46A-48E-66A	7CC-536			
427	CA_2A-2A-14A-66A-66A	5CC-426	529	CA_46E-48A-66A	7CC-538			
428	CA_2A-2A-29A-30A-66A	No	530	CA_46E-48C	7CC-538			
429	CA_2A-2A-29A-66A-66A	5CC-428	531	CA_2A-46E-48A	7CC-539			
430	CA_2A-2A-46D	5CC-414	532	CA_2A-5A-48C-66A-66A	No			
431	CA_2A-2A-5A-30A-66A	5CC-446						
432	CA_2A-2A-5A-66A-66A	5CC-431						
433	CA_2A-2A-5A-66B	5CC-431						
434	CA_2A-2A-5A-66C	5CC-431						
435	CA_2A-2A-5B-66A	5CC-431						
436	CA_2A-2A-7A-12A-66A	5CC-505						
437	CA_2A-46C-66A-66A	6CC-517						
438	CA_2A-46D-48A	6CC-524						
439	CA_2A-46D-66A	6CC-517						
440	CA_2A-46E	6CC-518						
441	CA_2A-48A-48C-66A	6CC-515						
442	CA_2A-48A-48D	6CC-514						
443	CA_2A-48C-48C	6CC-514						
444	CA_2A-48D-66A	6CC-515						
445	CA_2A-48E	6CC-514						

446	CA_2A-5A-30A-66A-66A	5CC-450						
447	CA_2A-5A-46D	No						
448	CA_2A-5A-48C-66A	6CC-532						
449	CA_2A-5A-48D	6CC-532						
450	CA_2A-5B-30A-66A	No						
451	CA_2A-5B-66A-66A	5CC-453						
452	CA_2A-5B-66B	5CC-453						
453	CA_2A-5B-66C	5CC-450						
454	CA_2A-7A-7A-29A-66A	No						
455	CA_2A-7A-7A-66A-66A	5CC-454						
456	CA_2A-7C-66A-66A	5CC-454						
457	CA_2A-7C-29A-66A	5CC-454						
458	CA_4A-48E	No						
459	CA_5A-46D-66A	No						
460	CA_5A-46E	5CC-464						
461	CA_5A-48D-66A	6CC-532						
462	CA_5A-7C-66A-66A	5CC-512						
463	CA_5B-30A-66A-66A	5CC-450						
464	CA_5B-46D	6CC-532						
465	CA_7A-46E	No						
466	CA_7A-7A-46D	5CC-465						
467	CA_12A-46E	No						
468	CA_13A-46D-66A	No						
469	CA_13A-46E	5CC-468						
470	CA_13A-48A-48D	5CC-471						
471	CA_13A-48A-48C-66A	No						
472	CA_13A-48C-48C	5CC-470						
473	CA_13A-48D-66A	5CC-471						
474	CA_13A-48E	5CC-471						
475	CA_41F	No						
476	CA_46D-66A-66A	6CC-517						
477	CA_46D-48C	6CC-526						
478	CA_46E-66A	6CC-518						
479	CA_48A-48E	5CC-481						
480	CA_48A-48C-66B	5CC-481						
481	CA_48A-48C-66C	5CC-482						
482	CA_48A-48D-66A	5CC-471						
483	CA_48C-48D	5CC-482						
484	CA_48C-48C-66A	5CC-482						
485	CA_48E-66A	6CC-519						
486	CA_46C-48C-66A	6CC-516						
487	CA_2A-46C-48C	6CC-516						
488	CA_46A-48D-66A	6CC-515						
489	CA_2A-46A-48D	6CC-515						
490	CA_46C-48D	6CC-520						
491	CA_46D-48A-66A	6CC-524						
492	CA_2A-46A-48C-66A	6CC-515						
493	CA_2A-46C-48A-66A	6CC-516						
494	CA_48F	6CC-521						
495	CA_2A-7C-13A-66A	5CC-508						
496	CA_46A-48E	6CC-514						
497	CA_46D-48A-48A	6CC-530						
498	CA_46E-48A	6CC-529						
499	CA_2A-5A-5A-66A-66A	5CC-450						
500	CA_2A-48C-66A-66A	6CC-532						
501	CA_5A-48C-66A-66A	6CC-532						

502	CA_2A-5A-48A-66A-66A	6CC-532						
503	CA_2A-2A-7A-66A-66A	5CC-495						
504	CA_2A-2A-7A-66A-71A	No						
505	CA_2A-7A-12A-66A-66A	No						
506	CA_2A-5A-7A-66A-66A	5CC-512						
507	CA_2A-5A-7A-7A-66A	5CC-512						
508	CA_2A-7A-7A-13A-66A	No						
509	CA_7A-7A-25A-25A-66A	No						
510	CA_2A-2A-7A-7A-13A	5CC-495						
511	CA_2A-2A-7C-13A	5CC-495						
512	CA_2A-5A-7C-66A	No						
513	CA_7C-25A-25A-66A	5CC-509						

<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	24.33	24.39
		CA_4A-17A	4	10	1715	20000	QPSK	1	49	17	10	740	5790	24.38	24.42
		CA_5A-25A	5	10	836.5	20525	QPSK	1	0	25	20	1960	8340	24.41	24.45
		CA_12A-25A	12	10	707.5	23095	QPSK	1	0	25	20	1960	8340	24.32	24.37
Intra-Band	Contiguous	CA_38C	38	20	2595	38000	QPSK	1	0	38	20	2614.80	68284	22.81	22.86

<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_2A-4A-13A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	24.38	24.44
	CA_7A-46A-66A	7	20	2535	21100	QPSK	1	0	46	20	5537.5	50665	66	20	2155	66886	24.26	24.32
	CA_48C-71A	48	20	3609	55830	16QAM	1	0	48	20	3628.8	56028	71	20	634.5	68761	21.85	21.93
	CA_12A-48C	12	10	707.5	23095	QPSK	1	0	48	20	3641	56150	48	20	3660.8	56348	24.31	24.37
	CA_41A-46C	41	20	2549.5	40185	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	22.69	22.78

<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_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	24.35	24.44
	CA_2A-4A-12A-30A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	12	10	737.5	5095	30	10	2355	9820	24.32	24.44
	CA_2A-4A-29A-30A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	30	10	2355	9820	24.41	24.44
	CA_2A-4A-5A-30A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	30	10	2355	9820	24.38	24.44
	CA_2A-4A-7A-12A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	12	10	737.5	5095	24.33	24.44
	CA_4A-46D	4	20	1732.5	20175	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.44	24.48
	CA_25A-41D	25	20	1880	26340	QPSK	1	0	41	20	2593	40620	41	20	2612.8	40818	41	20	2632.6	41016	24.34	24.39
	CA_71A-46D	71	20	680.5	133297	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.66	24.71
	CA_2A-7A-26A-66A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	26	15	876.5	8865	66	20	2155	66886	24.37	24.44

<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_2A-13A-46D	2	20	1880	18900	QPSK	1	0	13	10	751	5230	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.36	24.44
		CA_2A-13A-48A-48A-66A	2	20	1880	18900	QPSK	1	0	13	10	751	5230	48	20	3641	56150	48	5	3552.5	55265	66	20	2155	66886	24.32	24.44
		CA_2A-2A-12A-30A-66A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	12	10	737.5	5095	30	10	2355	9820	66	20	2155	66886	24.34	24.44
		CA_2A-2A-14A-30A-66A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	14	10	763	5330	30	10	2355	9820	66	20	2155	66886	24.39	24.44
		CA_2A-2A-29A-30A-66A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	29	10	722.5	9715	30	10	2355	9820	66	20	2155	66886	24.41	24.44
		CA_2A-5A-46D	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.37	24.44
		CA_2A-5B-30A-66A	2	20	1880	18900	QPSK	1	0	5	10	876.6	2476	5	10	886.5	2575	30	10	2355	9820	66	20	2155	66886	24.38	24.44
		CA_2A-7A-7A-29A-66A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	7	5	2622.5	2775	29	10	722.5	9715	66	20	2155	66886	24.40	24.44
		CA_4A-48E	4	20	1732.5	20175	QPSK	1	0	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	48	20	3581.6	55556	24.41	24.48
		CA_5A-46D-66A	5	10	836.5	20525	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	24.39	24.45
		CA_7A-46E	7	20	2535	21100	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	46	20	5596.9	51259	24.23	24.32
		CA_12A-46E	12	10	707.5	23095	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	46	20	5596.9	51259	24.33	24.37
		CA_13A-46D-66A	13	10	782	23230	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	24.52	24.65
		CA_13A-48A-48C-66A	13	10	782	23230	QPSK	1	0	48	20	3641	56150	48	5	3552.5	55265	48	20	3564.2	55382	66	20	2155	66886	24.59	24.65
		CA_2A-2A-7A-66A-71A	2	20	1880	18900	QPSK	1	0	2	5	1932.5	625	7	20	2655	3100	66	20	2155	66886	71	20	634.5	68761	24.34	24.44
		CA_2A-7A-12A-66A-66A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	12	10	737.5	5095	66	20	2155	66886	66	5	2112.5	66461	24.28	24.44
		CA_2A-7A-7A-13A-66A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	7	5	2622.5	2775	13	10	751	5230	66	20	2155	66886	24.31	24.44
		CA_7A-7A-25A-25A-66A	7	20	2535	21100	QPSK	1	0	7	5	2622.5	2775	25	20	1960	8340	25	5	1932.5	8065	66	20	2155	66886	24.23	24.32
		CA_2A-5A-7C-66A	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	7	20	2655	3100	7	20	2674.8	3028	66	20	2155	66886	24.35	24.44
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	22.66	22.78

<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-5A-48C-66A-66A	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	48	20	3641	56150	48	20	3660.8	56348	66	20	2155	66886	66	5	2112.5	66461	24.31	24.44

<Seven Carrier power verification>

Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				SCC4				SCC5				SCC6				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	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	CA_2A-46E-48A-66A	2	20	1880	18900	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	46	20	5596.9	51259	48	20	3641	56150	66	20	2155	66886	24.40	24.44

<LTE Uplink carrier aggregation>

2CC Uplink Carrier Aggregation	
Number	Combination
1	CA_5B
2	CA_7C
3	CA_66B
4	CA_66C
5	CA_38C
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.

Index 2/3/4/5/6								
CA_5B_Ant 0								
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	22.51	23.80
20574	20475	QPSK	1	0	1	49	22.52	23.80
20600	20501	QPSK	1	0	1	49	22.91	23.80

Index 2								
CA_5B_Ant 1								
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	20.85	21.60
20574	20475	QPSK	1	0	1	49	20.87	21.60
20600	20501	QPSK	1	0	1	49	20.89	21.60

Index 3								
CA_5B_Ant 1								
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	20.85	20.90
20574	20475	QPSK	1	0	1	49	20.87	20.90
20600	20501	QPSK	1	0	1	49	20.89	20.90

Index 4/5/6								
CA_5B_Ant 1								
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	22.70	23.90
20574	20475	QPSK	1	0	1	49	22.63	23.90
20600	20501	QPSK	1	0	1	49	22.48	23.90

Index 2								
CA_7C_Ant 2								
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		
20850	21048	QPSK	1	99	1	0	20.69	22.20
21100	20902	QPSK	1	0	1	99	20.68	22.20
21350	21152	QPSK	1	0	1	99	20.81	22.20

Index 3								
CA_7C_Ant 2								
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		
20850	21048	QPSK	1	99	1	0	20.69	21.50
21100	20902	QPSK	1	0	1	99	20.68	21.50
21350	21152	QPSK	1	0	1	99	20.81	21.50

Index 4/6								
CA_7C_Ant 2								
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		
20850	21048	QPSK	1	99	1	0	19.07	19.70
21100	20902	QPSK	1	0	1	99	19.26	19.70
21350	21152	QPSK	1	0	1	99	19.44	19.70

Index 5								
CA_7C_Ant 2								
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		
20850	21048	QPSK	1	99	1	0	19.07	20.40
21100	20902	QPSK	1	0	1	99	19.26	20.40
21350	21152	QPSK	1	0	1	99	19.44	20.40

Index 2/3								
CA_7C_Ant 0								
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		
20850	21048	QPSK	1	99	1	0	21.80	23.60
21100	20902	QPSK	1	0	1	99	21.86	23.60
21350	21152	QPSK	1	0	1	99	21.83	23.60

Index 4								
CA_7C_Ant 0								
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		
20850	21048	QPSK	1	99	1	0	15.80	17.00
21100	20902	QPSK	1	0	1	99	15.75	17.00
21350	21152	QPSK	1	0	1	99	15.71	17.00

Index 5								
CA_7C_Ant 0								
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		
20850	21048	QPSK	1	99	1	0	19.18	20.00
21100	20902	QPSK	1	0	1	99	19.21	20.00
21350	21152	QPSK	1	0	1	99	19.29	20.00

Index 6								
CA_7C_Ant 0								
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		
20850	21048	QPSK	1	99	1	0	19.18	19.30
21100	20902	QPSK	1	0	1	99	19.21	19.30
21350	21152	QPSK	1	0	1	99	19.29	19.30

Index 2								
CA_66B_Ant 2								
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	22.93	23.90
132322	132229	QPSK	1	0	1	24	22.78	23.90
132597	132504	QPSK	1	0	1	24	22.99	23.90

Index 3								
CA_66B_Ant 2								
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	22.93	23.70
132322	132229	QPSK	1	0	1	24	22.78	23.70
132597	132504	QPSK	1	0	1	24	22.99	23.70

Index 4/6								
CA_66B_Ant 2								
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	19.07	19.70
132322	132229	QPSK	1	0	1	24	18.82	19.70
132597	132504	QPSK	1	0	1	24	18.94	19.70

Index 5								
CA_66B_Ant 2								
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	19.07	20.40
132322	132229	QPSK	1	0	1	24	18.82	20.40
132597	132504	QPSK	1	0	1	24	18.94	20.40

Index 2/3								
CA_66B_Ant 0								
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	24.50
132322	132229	QPSK	1	0	1	24	22.53	24.50
132597	132504	QPSK	1	0	1	24	22.68	24.50

Index 4								
CA_66B_Ant 0								
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	17.20	18.00
132322	132229	QPSK	1	0	1	24	17.06	18.00
132597	132504	QPSK	1	0	1	24	17.08	18.00

Index 5								
CA_66B_Ant 0								
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	19.21	20.70
132322	132229	QPSK	1	0	1	24	19.01	20.70
132597	132504	QPSK	1	0	1	24	19.04	20.70

Index 6								
CA_66B_Ant 0								
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	19.21	20.00
132322	132229	QPSK	1	0	1	24	19.01	20.00
132597	132504	QPSK	1	0	1	24	19.04	20.00

Index 2								
CA_66C_Ant 2								
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	22.96	23.90
132322	132124	QPSK	1	0	1	99	22.89	23.90
132572	132374	QPSK	1	0	1	99	22.99	23.90

Index 3								
CA_66C_Ant 2								
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	22.96	23.70
132322	132124	QPSK	1	0	1	99	22.89	23.70
132572	132374	QPSK	1	0	1	99	22.99	23.70

Index 4/6								
CA_66C_Ant 2								
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	19.11	19.70
132322	132124	QPSK	1	0	1	99	18.81	19.70
132572	132374	QPSK	1	0	1	99	19.06	19.70

Index 5								
CA_66C_Ant 2								
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	19.11	20.40
132322	132124	QPSK	1	0	1	99	18.81	20.40
132572	132374	QPSK	1	0	1	99	19.06	20.40

Index 2/3								
CA_66C_Ant 0								
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	22.74	24.50
132322	132124	QPSK	1	0	1	99	22.66	24.50
132572	132374	QPSK	1	0	1	99	22.88	24.50

Index 4								
CA_66C_Ant 0								
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	16.73	18.00
132322	132124	QPSK	1	0	1	99	16.42	18.00
132572	132374	QPSK	1	0	1	99	16.58	18.00

Index 5								
CA_66C_Ant 0								
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	19.03	20.70
132322	132124	QPSK	1	0	1	99	18.71	20.70
132572	132374	QPSK	1	0	1	99	18.91	20.70

Index 6								
CA_66C_Ant 0								
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	19.03	20.00
132322	132124	QPSK	1	0	1	99	18.71	20.00
132572	132374	QPSK	1	0	1	99	18.91	20.00

Index 2								
CA_38C_Ant 2								
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		
37850	38048	QPSK	1	99	1	0	22.71	23.90
38000	37802	QPSK	1	0	1	99	22.98	23.90
38150	37952	QPSK	1	0	1	99	22.89	23.90

Index 3								
CA_38C_Ant 2								
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		
37850	38048	QPSK	1	99	1	0	22.71	23.30
38000	37802	QPSK	1	0	1	99	22.98	23.30
38150	37952	QPSK	1	0	1	99	22.89	23.30

Index 4								
CA_38C_Ant 2								
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		
37850	38048	QPSK	1	99	1	0	21.09	21.20
38000	37802	QPSK	1	0	1	99	21.20	21.20
38150	37952	QPSK	1	0	1	99	21.15	21.20

Index 5								
CA_38C_Ant 2								
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		
37850	38048	QPSK	1	99	1	0	21.09	22.30
38000	37802	QPSK	1	0	1	99	21.20	22.30
38150	37952	QPSK	1	0	1	99	21.15	22.30

Index 6								
CA_38C_Ant 2								
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		
37850	38048	QPSK	1	99	1	0	21.09	21.60
38000	37802	QPSK	1	0	1	99	21.20	21.60
38150	37952	QPSK	1	0	1	99	21.15	21.60

Index 2/3								
CA_38C_Ant 0								
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		
37850	38048	QPSK	1	99	1	0	21.73	23.50
38000	37802	QPSK	1	0	1	99	21.96	23.50
38150	37952	QPSK	1	0	1	99	21.99	23.50

Index 4								
CA_38C_Ant 0								
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		
37850	38048	QPSK	1	99	1	0	18.39	19.90
38000	37802	QPSK	1	0	1	99	18.57	19.90
38150	37952	QPSK	1	0	1	99	18.61	19.90

Index 5								
CA_38C_Ant 0								
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		
37850	38048	QPSK	1	99	1	0	21.38	22.60
38000	37802	QPSK	1	0	1	99	21.61	22.60
38150	37952	QPSK	1	0	1	99	21.62	22.60

Index 6								
CA_38C_Ant 0								
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		
37850	38048	QPSK	1	99	1	0	21.38	21.90
38000	37802	QPSK	1	0	1	99	21.61	21.90
38150	37952	QPSK	1	0	1	99	21.62	21.90

Index 2								
CA_41C_Ant 2								
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	22.03	23.90
40185	39987	QPSK	1	0	0	0	21.90	23.90
40620	40422	QPSK	1	0	0	0	21.94	23.90
41055	40857	QPSK	1	0	0	0	21.92	23.90
41490	41292	QPSK	1	0	0	0	22.08	23.90

Index 3								
CA_41C_Ant 2								
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	22.03	23.30
40185	39987	QPSK	1	0	0	0	21.75	23.30
40620	40422	QPSK	1	0	0	0	21.94	23.30
41055	40857	QPSK	1	0	0	0	21.92	23.30
41490	41292	QPSK	1	0	0	0	22.08	23.30

Index 4								
CA_41C_Ant 2								
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	21.04	21.20
40185	39987	QPSK	1	0	0	0	20.83	21.20
40620	40422	QPSK	1	0	0	0	20.94	21.20
41055	40857	QPSK	1	0	0	0	20.93	21.20
41490	41292	QPSK	1	0	0	0	21.20	21.20

Index 5								
CA_41C_Ant 2								
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	21.04	22.30
40185	39987	QPSK	1	0	0	0	20.83	22.30
40620	40422	QPSK	1	0	0	0	20.94	22.30
41055	40857	QPSK	1	0	0	0	20.93	22.30
41490	41292	QPSK	1	0	0	0	21.2	22.30

Index 6								
CA_41C_Ant 2								
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	21.04	21.60
40185	39987	QPSK	1	0	0	0	20.83	21.60
40620	40422	QPSK	1	0	0	0	20.94	21.60
41055	40857	QPSK	1	0	0	0	20.93	21.60
41490	41292	QPSK	1	0	0	0	21.2	21.60

Index 2/3								
CA_41C_Ant 0								
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	21.39	23.00
40185	39987	QPSK	1	0	0	0	21.00	23.00
40620	40422	QPSK	1	0	0	0	21.29	23.00
41055	40857	QPSK	1	0	0	0	21.43	23.00
41490	41292	QPSK	1	0	0	0	21.68	23.00

Index 4								
CA_41C_Ant 0								
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	18.61	19.20
40185	39987	QPSK	1	0	0	0	18.25	19.20
40620	40422	QPSK	1	0	0	0	18.56	19.20
41055	40857	QPSK	1	0	0	0	18.63	19.20
41490	41292	QPSK	1	0	0	0	18.89	19.20

Index 5								
CA_41C_Ant 0								
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	21.01	21.90
40185	39987	QPSK	1	0	0	0	20.63	21.90
40620	40422	QPSK	1	0	0	0	20.93	21.90
41055	40857	QPSK	1	0	0	0	20.98	21.90
41490	41292	QPSK	1	0	0	0	21.20	21.90

Index 6								
CA_41C_Ant 0								
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	21.01	21.20
40185	39987	QPSK	1	0	0	0	20.63	21.20
40620	40422	QPSK	1	0	0	0	20.93	21.20
41055	40857	QPSK	1	0	0	0	20.98	21.20
41490	41292	QPSK	1	0	0	0	21.20	21.20

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
WWAN Ant 7	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WLAN/BT Ant 3 / 4	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
NFC	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm	≤ 25mm

Positions for SAR / PD tests						
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
WWAN Ant 7	Yes	Yes	No	Yes	Yes	Yes
Ant 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.
5. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g product specific SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold, for this device the GSM 1900, LTE B7/25/30/66/41, FR1 n7/n30/n66 Bottom Side.
6. For 5.3GHz, 5.5GHz, 5.9GHz and 6GHz WLAN product specific SAR is necessary too, due to an overall diagonal dimension is > 16cm.

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/n12/n41/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 was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. And only for TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission

WLAN Note:

1. The SISO mode support only when the Antenna 3 and 4 is transmitting on 802.11b mode, other support MIMO mode.
2. 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
3. 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.
4. Per KDB 248227 D01v02r02, WLAN5.2GHz SAR testing is not required 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.
5. 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.
6. 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.
7. 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
8. 4+3(3) represents the test in 2TX operation, while the SAR or power data is associated with antenna 3
9. 4+3(4) represents the test in 2TX operation, while the SAR or power data is associated with antenna 4
10. 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 (4 Tx slots)	Right Cheek	0mm	2	189	836.4	27.11	28.70	1.442	0.18	0.284	0.410
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Tilted	0mm	2	189	836.4	27.11	28.70	1.442	0.02	0.169	0.244
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2	189	836.4	27.11	28.70	1.442	0.02	0.411	0.593
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2	128	824.2	27.06	28.70	1.459	0.04	0.452	0.659
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2	251	848.8	27.10	28.70	1.445	-0.01	0.350	0.506
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Tilted	0mm	2	189	836.4	27.11	28.70	1.442	0.01	0.203	0.293
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Cheek	0mm	3	189	836.4	27.11	28.00	1.227	0.18	0.284	0.349
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Tilted	0mm	3	189	836.4	27.11	28.00	1.227	0.02	0.169	0.207
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	3	189	836.4	27.11	28.00	1.227	0.02	0.411	0.504
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	3	128	824.2	27.06	28.00	1.242	0.04	0.452	0.561
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	3	251	848.8	27.10	28.00	1.230	-0.01	0.350	0.431
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Tilted	0mm	3	189	836.4	27.11	28.00	1.227	0.01	0.203	0.249
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	189	836.4	24.10	24.90	1.202	-0.08	0.611	0.735
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	128	824.2	24.10	24.90	1.202	-0.02	0.561	0.674
01	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	251	848.8	23.74	24.90	1.306	0.01	0.721	0.942
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	2	189	836.4	24.10	24.90	1.202	0.01	0.244	0.293
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	2	189	836.4	24.10	24.90	1.202	-0.01	0.456	0.548
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	2	189	836.4	24.10	24.90	1.202	0	0.398	0.479
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	3	189	836.4	24.10	24.20	1.023	-0.08	0.611	0.625
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	3	128	824.2	24.10	24.20	1.023	-0.02	0.561	0.574
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	3	251	848.8	23.74	24.20	1.112	0.01	0.721	0.802
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	3	189	836.4	24.10	24.20	1.023	0.01	0.244	0.250
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	3	189	836.4	24.10	24.20	1.023	-0.01	0.456	0.467
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	3	189	836.4	24.10	24.20	1.023	0	0.398	0.407
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Cheek	0mm	2/3	661	1880	27.03	28.00	1.250	-0.02	0.387	0.484
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Cheek	0mm	2/3	512	1850.2	27.02	28.00	1.253	-0.18	0.511	0.640
02	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Cheek	0mm	2/3	810	1909.8	26.96	28.00	1.271	-0.12	0.526	0.668
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Tilted	0mm	2/3	661	1880	27.03	28.00	1.250	-0.01	0.151	0.189
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Cheek	0mm	2/3	661	1880	27.03	28.00	1.250	-0.13	0.219	0.274
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Tilted	0mm	2/3	661	1880	27.03	28.00	1.250	-0.11	0.127	0.159
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Cheek	0mm	2/3	661	1880	26.03	27.20	1.309	0.05	0.059	0.077
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Tilted	0mm	2/3	661	1880	26.03	27.20	1.309	-0.03	0.029	0.038
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2/3	661	1880	26.03	27.20	1.309	-0.01	0.072	0.094
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2/3	512	1850.2	26.02	27.20	1.312	-0.05	0.079	0.104
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2/3	810	1909.8	25.85	27.20	1.365	0.05	0.083	0.113
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Tilted	0mm	2/3	661	1880	26.03	27.20	1.309	0.02	0.029	0.038

<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	2	9400	1880	24.36	25.10	1.186	0.07	0.641	0.760
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	2	9262	1852.4	24.27	25.10	1.211	-0.01	0.683	0.827
03	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	2	9538	1907.6	24.35	25.10	1.189	-0.01	0.780	0.927
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	2	9400	1880	24.36	25.10	1.186	0.01	0.258	0.306
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	2	9400	1880	24.36	25.10	1.186	-0.04	0.315	0.374
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	2	9400	1880	24.36	25.10	1.186	0.02	0.212	0.251
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	3	9400	1880	24.36	24.40	1.009	0.07	0.641	0.647
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	3	9262	1852.4	24.27	24.40	1.030	-0.01	0.683	0.704
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	3	9538	1907.6	24.35	24.40	1.012	-0.01	0.780	0.789
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	3	9400	1880	24.36	24.40	1.009	0.01	0.258	0.260
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	3	9400	1880	24.36	24.40	1.009	-0.04	0.315	0.318
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	3	9400	1880	24.36	24.40	1.009	0.02	0.212	0.214
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	9400	1880	24.35	25.30	1.245	-0.05	0.140	0.174
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	9262	1852.4	24.34	25.30	1.247	0.05	0.140	0.175
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	9538	1907.6	24.34	25.30	1.247	0.12	0.137	0.171
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	2/3	9400	1880	24.35	25.30	1.245	-0.06	0.051	0.063
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	9400	1880	24.35	25.30	1.245	0.09	0.115	0.143
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	2/3	9400	1880	24.35	25.30	1.245	0.12	0.048	0.060
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	2/3	1413	1732.6	24.93	25.50	1.140	-0.12	0.541	0.617
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	2/3	1312	1712.4	24.78	25.50	1.180	-0.08	0.549	0.648
04	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	2/3	1513	1752.6	24.81	25.50	1.172	-0.14	0.619	0.726
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	2/3	1413	1732.6	24.93	25.50	1.140	-0.01	0.254	0.290
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	2/3	1413	1732.6	24.93	25.50	1.140	-0.07	0.247	0.282
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	2/3	1413	1732.6	24.93	25.50	1.140	-0.02	0.210	0.239
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	1413	1732.6	24.58	25.30	1.180	-0.06	0.145	0.171
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	1312	1712.4	24.41	25.30	1.227	0.05	0.175	0.215
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	1513	1752.6	24.39	25.30	1.233	0.11	0.172	0.212
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	2/3	1413	1732.6	24.58	25.30	1.180	0.01	0.117	0.138
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	1413	1732.6	24.58	25.30	1.180	0.03	0.132	0.156
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	2/3	1413	1732.6	24.58	25.30	1.180	0.11	0.106	0.125
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	4182	836.4	25.10	25.50	1.096	0.11	0.377	0.413
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	2/3	4182	836.4	25.10	25.50	1.096	0.02	0.218	0.239
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	4182	836.4	25.10	25.50	1.096	-0.07	0.482	0.529
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	4132	826.4	24.91	25.50	1.146	0.02	0.469	0.537
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	4233	846.6	24.90	25.50	1.148	-0.06	0.474	0.544
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	2/3	4182	836.4	25.10	25.50	1.096	-0.03	0.225	0.247
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	2	4182	836.4	20.90	22.40	1.413	0.01	0.377	0.533
05	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	2	4132	826.4	20.66	22.40	1.493	-0.02	0.450	0.672
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	2	4233	846.6	20.70	22.40	1.479	0.03	0.433	0.640
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	2	4182	836.4	20.90	22.40	1.413	-0.01	0.307	0.434
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	2	4182	836.4	20.90	22.40	1.413	0.01	0.290	0.410
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	2	4182	836.4	20.90	22.40	1.413	0	0.243	0.343
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	3	4182	836.4	20.90	21.70	1.202	0.01	0.377	0.453
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	3	4132	826.4	20.66	21.70	1.271	-0.02	0.450	0.572
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	3	4233	846.6	20.70	21.70	1.259	0.03	0.433	0.545
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	3	4182	836.4	20.90	21.70	1.202	-0.01	0.307	0.369
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	3	4182	836.4	20.90	21.70	1.202	0.01	0.290	0.349
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	3	4182	836.4	20.90	21.70	1.202	0	0.243	0.292

<FDD 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	2	18900	1880	16.37	17.20	1.211	-0.05	0.650	0.787
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	18900	1880	16.33	17.20	1.222	0.09	0.643	0.786
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	18900	1880	16.37	17.20	1.211	0.11	0.735	0.890
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	18700	1860	16.16	17.20	1.271	0.13	0.599	0.761
06	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	19100	1900	16.29	17.20	1.233	-0.05	0.799	0.985
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	18900	1880	16.33	17.20	1.222	-0.1	0.709	0.866
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	18700	1860	16.21	17.20	1.256	0.03	0.572	0.718
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	19100	1900	16.28	17.20	1.236	0.09	0.770	0.952
	LTE Band 2_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	2	18900	1880	16.25	17.20	1.245	0.16	0.701	0.872
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	2	18900	1880	16.37	17.20	1.211	-0.02	0.304	0.368
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	2	18900	1880	16.33	17.20	1.222	-0.12	0.297	0.363
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	2	18900	1880	16.37	17.20	1.211	0	0.371	0.449
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	2	18900	1880	16.33	17.20	1.222	0.01	0.359	0.439
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	18900	1880	16.37	16.50	1.030	-0.05	0.650	0.670
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	3	18900	1880	16.33	16.50	1.040	0.09	0.643	0.669
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	18900	1880	16.37	16.50	1.030	0.11	0.735	0.757
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	18700	1860	16.16	16.50	1.081	0.13	0.599	0.648
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	19100	1900	16.29	16.50	1.050	-0.05	0.799	0.839
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	18900	1880	16.33	16.50	1.040	-0.1	0.709	0.737
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	18700	1860	16.21	16.50	1.069	0.03	0.572	0.611
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	19100	1900	16.28	16.50	1.052	0.09	0.770	0.810
	LTE Band 2_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	3	18900	1880	16.25	16.50	1.059	0.16	0.701	0.743
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	3	18900	1880	16.37	16.50	1.030	-0.02	0.304	0.313
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	3	18900	1880	16.33	16.50	1.040	-0.12	0.297	0.309
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	3	18900	1880	16.37	16.50	1.030	0	0.371	0.382
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	3	18900	1880	16.33	16.50	1.040	0.01	0.359	0.373
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	2	18900	1880	15.92	17.20	1.343	-0.12	0.261	0.350
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	2	18900	1880	15.84	17.20	1.368	0.01	0.253	0.346
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	2	18900	1880	15.92	17.20	1.343	-0.04	0.041	0.055
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	2	18900	1880	15.84	17.20	1.368	0.11	0.038	0.052
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	18900	1880	15.92	17.20	1.343	-0.08	0.402	0.540
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	18700	1860	15.78	17.20	1.387	0.05	0.335	0.465
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	19100	1900	15.83	17.20	1.371	-0.12	0.459	0.629
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	18900	1880	15.84	17.20	1.368	0.06	0.392	0.536
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	2	18900	1880	15.92	17.20	1.343	-0.08	0.076	0.102
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	2	18900	1880	15.84	17.20	1.368	0.05	0.074	0.101
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	3	18900	1880	15.92	16.50	1.143	-0.12	0.261	0.298
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	3	18900	1880	15.84	16.50	1.164	0.01	0.253	0.295
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	3	18900	1880	15.92	16.50	1.143	-0.04	0.041	0.047
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	3	18900	1880	15.84	16.50	1.164	0.11	0.038	0.044
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	3	18900	1880	15.92	16.50	1.143	-0.08	0.402	0.459
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	3	18700	1860	15.78	16.50	1.180	0.05	0.335	0.395
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	3	19100	1900	15.83	16.50	1.167	-0.12	0.459	0.536
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	3	18900	1880	15.84	16.50	1.164	0.06	0.392	0.456
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	3	18900	1880	15.92	16.50	1.143	-0.08	0.076	0.087
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	3	18900	1880	15.84	16.50	1.164	0.05	0.074	0.086

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	2	21100	2535	21.40	22.20	1.202	0.12	0.624	0.750
07	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	20850	2510	21.36	22.20	1.213	-0.07	0.658	0.798
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	21350	2560	21.34	22.20	1.219	-0.08	0.566	0.690
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2	21100	2535	21.35	22.20	1.216	0.05	0.613	0.746
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2	21100	2535	21.40	22.20	1.202	0.01	0.187	0.225
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2	21100	2535	21.35	22.20	1.216	-0.08	0.182	0.221
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2	21100	2535	21.40	22.20	1.202	0.07	0.231	0.278
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2	21100	2535	21.35	22.20	1.216	0.11	0.226	0.275
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2	21100	2535	21.40	22.20	1.202	-0.04	0.253	0.304
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2	21100	2535	21.35	22.20	1.216	-0.08	0.238	0.289
	LTE Band 7C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	21350+21152	2560	20.81	22.20	1.377	-0.01	0.469	0.646
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	21100	2535	21.40	21.50	1.023	0.12	0.631	0.646
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	20850	2510	21.36	21.50	1.033	-0.07	0.658	0.680
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	21350	2560	21.34	21.50	1.038	-0.08	0.566	0.587
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	3	21100	2535	21.35	21.50	1.035	0.05	0.613	0.635
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	3	21100	2535	21.40	21.50	1.023	0.01	0.187	0.191
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	3	21100	2535	21.35	21.50	1.035	-0.08	0.182	0.188
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	3	21100	2535	21.40	21.50	1.023	0.07	0.231	0.236
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	3	21100	2535	21.35	21.50	1.035	0.11	0.226	0.234
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	3	21100	2535	21.40	21.50	1.023	-0.04	0.253	0.259
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	3	21100	2535	21.35	21.50	1.035	-0.08	0.238	0.246
	LTE Band 7C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	21350+21152	2560	20.81	21.50	1.172	-0.01	0.469	0.550
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	21100	2535	23.27	25.00	1.489	-0.1	0.202	0.301
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	20850	2510	23.26	25.00	1.493	0.01	0.179	0.267
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	21350	2560	23.25	25.00	1.496	-0.18	0.183	0.274
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	21100	2535	22.21	24.00	1.510	-0.19	0.138	0.208
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	21100	2535	23.27	25.00	1.489	-0.16	0.055	0.082
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	21100	2535	22.21	24.00	1.510	-0.03	0.044	0.066
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	21100	2535	23.27	25.00	1.489	-0.15	0.164	0.244
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	21100	2535	22.21	24.00	1.510	-0.14	0.130	0.196
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	21100	2535	23.27	25.00	1.489	-0.16	0.103	0.153
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	21100	2535	22.21	24.00	1.510	-0.11	0.081	0.122
	LTE Band 7C_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	21100+20902	2535	21.86	23.60	1.493	-0.12	0.141	0.210

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	2/3	23095	707.5	24.37	25.50	1.297	0.05	0.189	0.245
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	23095	707.5	23.32	24.50	1.312	0.12	0.152	0.199
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	23095	707.5	24.37	25.50	1.297	-0.07	0.099	0.128
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	23095	707.5	23.32	24.50	1.312	-0.07	0.081	0.106
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	23095	707.5	24.37	25.50	1.297	-0.05	0.240	0.311
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	23095	707.5	23.32	24.50	1.312	-0.03	0.192	0.252
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	23095	707.5	24.37	25.50	1.297	-0.03	0.107	0.139
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	23095	707.5	23.32	24.50	1.312	0	0.088	0.115
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	23095	707.5	23.15	24.70	1.429	0.01	0.655	0.936
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	2	23095	707.5	23.11	24.10	1.256	0.02	0.622	0.897
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	2	23095	707.5	23.06	24.10	1.271	0.01	0.614	0.896
08	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	2	23095	707.5	23.15	24.70	1.429	0	0.686	0.980
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	2	23095	707.5	23.11	24.10	1.256	-0.05	0.662	0.955
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	2	23095	707.5	23.06	24.10	1.271	-0.08	0.608	0.887
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	2	23095	707.5	23.15	24.70	1.429	0.06	0.384	0.549
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	2	23095	707.5	23.11	24.10	1.256	-0.03	0.356	0.513
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	2	23095	707.5	23.15	24.70	1.429	0.02	0.382	0.546
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	2	23095	707.5	23.11	24.10	1.256	0.09	0.342	0.493
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	23095	707.5	23.15	24.00	1.216	0.01	0.655	0.797
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	3	23095	707.5	23.11	24.00	1.227	0.02	0.622	0.763
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	3	23095	707.5	23.15	24.00	1.216	0	0.686	0.834
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	3	23095	707.5	23.11	24.00	1.227	-0.05	0.662	0.813
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	3	23095	707.5	23.06	24.00	1.242	-0.08	0.608	0.755
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	3	23095	707.5	23.15	24.00	1.216	0.06	0.384	0.467
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	3	23095	707.5	23.11	24.00	1.227	-0.03	0.356	0.437
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	3	23095	707.5	23.15	24.00	1.216	0.02	0.382	0.465
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	3	23095	707.5	23.11	24.00	1.227	0.09	0.342	0.420

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 13_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	2/3	23230	782	24.65	25.50	1.216	0.12	0.325	0.395
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	23230	782	23.71	24.50	1.199	0.07	0.275	0.330
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	23230	782	24.65	25.50	1.216	0.07	0.206	0.251
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	23230	782	23.71	24.50	1.199	0.06	0.177	0.212
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	23230	782	24.65	25.50	1.216	-0.05	0.397	0.483
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	23230	782	23.71	24.50	1.199	0.05	0.334	0.401
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	23230	782	24.65	25.50	1.216	0.01	0.249	0.303
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	23230	782	23.71	24.50	1.199	-0.02	0.212	0.254
09	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	23230	782	22.70	23.60	1.230	0	0.675	0.830
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	2	23230	782	22.68	23.60	1.236	-0.01	0.630	0.779
	LTE Band 13_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	2	23230	782	22.67	23.60	1.239	0.09	0.621	0.769
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	2	23230	782	22.70	23.60	1.230	0.01	0.503	0.619
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	2	23230	782	22.68	23.60	1.236	-0.12	0.487	0.602
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	2	23230	782	22.70	23.60	1.230	0.03	0.432	0.531
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	2	23230	782	22.68	23.60	1.236	-0.14	0.386	0.477
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	2	23230	782	22.70	23.60	1.230	0.01	0.319	0.392
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	2	23230	782	22.68	23.60	1.236	-0.06	0.315	0.389
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	23230	782	22.70	22.90	1.047	0	0.675	0.707
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	3	23230	782	22.68	22.90	1.052	-0.01	0.630	0.663
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	3	23230	782	22.70	22.90	1.047	0.01	0.503	0.527
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	3	23230	782	22.68	22.90	1.052	-0.12	0.487	0.512
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	3	23230	782	22.70	22.90	1.047	0.03	0.432	0.452
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	3	23230	782	22.68	22.90	1.052	-0.14	0.386	0.406
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	3	23230	782	22.70	22.90	1.047	0.01	0.319	0.334
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	3	23230	782	22.68	22.90	1.052	-0.06	0.315	0.331

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	2/3	23330	793	25.07	25.50	1.104	0.01	0.367	0.405
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	23330	793	24.17	24.50	1.079	0.14	0.304	0.328
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	23330	793	25.07	25.50	1.104	0	0.240	0.265
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	23330	793	24.17	24.50	1.079	0.1	0.190	0.205
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	23330	793	25.07	25.50	1.104	0	0.452	0.499
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	23330	793	24.17	24.50	1.079	0	0.368	0.397
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	23330	793	25.07	25.50	1.104	-0.02	0.279	0.308
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	23330	793	24.17	24.50	1.079	0.01	0.231	0.249
10	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	23330	793	21.67	23.30	1.455	0.01	0.565	0.822
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	2	23330	793	21.70	23.30	1.445	-0.04	0.544	0.786
	LTE Band 14_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	2	23330	793	21.67	23.30	1.455	-0.15	0.538	0.783
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	2	23330	793	21.67	23.30	1.455	-0.01	0.388	0.565
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	2	23330	793	21.70	23.30	1.445	0.03	0.377	0.545
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	2	23330	793	21.67	23.30	1.455	0	0.352	0.512
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	2	23330	793	21.70	23.30	1.445	0.09	0.334	0.483
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	2	23330	793	21.67	23.30	1.455	0	0.294	0.428
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	2	23330	793	21.70	23.30	1.445	-0.12	0.289	0.418
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	23330	793	21.67	22.60	1.239	0.01	0.565	0.700
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	3	23330	793	21.70	22.60	1.230	-0.04	0.544	0.669
	LTE Band 14_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	3	23330	793	21.67	22.60	1.239	-0.15	0.538	0.666
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	3	23330	793	21.67	22.60	1.239	-0.01	0.388	0.481
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	3	23330	793	21.70	22.60	1.230	0.03	0.377	0.464
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	3	23330	793	21.67	22.60	1.239	0	0.352	0.436
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	3	23330	793	21.70	22.60	1.230	0.09	0.334	0.411
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	3	23330	793	21.67	22.60	1.239	0	0.294	0.364
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	3	23330	793	21.70	22.60	1.230	-0.12	0.289	0.356

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 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	26340	1880	23.80	24.50	1.175	-0.11	0.768	0.902
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	26140	1860	23.39	24.50	1.291	0.06	0.680	0.878
11	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	26590	1905	23.74	24.50	1.191	-0.08	0.775	0.923
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2	26340	1880	23.37	24.50	1.297	-0.18	0.693	0.899
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2	26140	1860	23.15	24.50	1.365	-0.13	0.670	0.914
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2	26590	1905	23.25	24.50	1.334	-0.03	0.685	0.913
	LTE Band 25_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	2	26590	1905	23.14	24.50	1.368	0.05	0.660	0.903
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2	26340	1880	23.80	24.50	1.175	-0.01	0.215	0.253
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2	26340	1880	23.37	24.50	1.297	0.05	0.196	0.254
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2	26340	1880	23.80	24.50	1.175	-0.03	0.282	0.331
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2	26340	1880	23.37	24.50	1.297	0.01	0.257	0.333
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2	26340	1880	23.80	24.50	1.175	-0.01	0.199	0.234
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2	26340	1880	23.37	24.50	1.297	0.09	0.181	0.235
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	26340	1880	23.80	23.80	1.000	-0.11	0.768	0.768
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	26140	1860	23.39	23.80	1.099	0.06	0.680	0.747
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	26590	1905	23.74	23.80	1.014	-0.08	0.775	0.786
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	3	26340	1880	23.37	23.80	1.104	-0.18	0.693	0.765
	LTE Band 25_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	3	26590	1905	23.14	23.80	1.164	0.05	0.660	0.768
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	3	26340	1880	23.80	23.80	1.000	-0.01	0.215	0.215
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	3	26340	1880	23.37	23.80	1.104	0.05	0.196	0.216
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	3	26340	1880	23.80	23.80	1.000	-0.03	0.282	0.282
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	3	26340	1880	23.37	23.80	1.104	0.01	0.257	0.284
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	3	26340	1880	23.80	23.80	1.000	-0.01	0.199	0.199
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	3	26340	1880	23.37	23.80	1.104	0.09	0.181	0.200
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	26340	1880	24.37	25.30	1.239	-0.16	0.107	0.133
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	26340	1880	23.29	24.30	1.262	0.19	0.082	0.103
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	26340	1880	24.37	25.30	1.239	-0.09	0.063	0.078
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	26340	1880	23.29	24.30	1.262	-0.15	0.052	0.066
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	26340	1880	24.37	25.30	1.239	-0.06	0.120	0.149
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	26140	1860	24.02	25.30	1.343	-0.19	0.119	0.160
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	26590	1905	23.86	25.30	1.393	0.17	0.118	0.164
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	26340	1880	23.29	24.30	1.262	0.1	0.091	0.115
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	26340	1880	24.37	25.30	1.239	0.04	0.047	0.058
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	26340	1880	23.29	24.30	1.262	0.05	0.036	0.045

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	2/3	26865	831.5	24.64	25.50	1.219	0.08	0.338	0.412
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Cheek	0mm	2/3	26865	831.5	23.60	24.50	1.230	0.08	0.284	0.349
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Cheek	0mm	2/3	26865	831.5	24.64	25.50	1.219	0.04	0.144	0.176
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Tilted	0mm	2/3	26865	831.5	23.60	24.50	1.230	-0.06	0.129	0.159
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Cheek	0mm	2/3	26865	831.5	24.64	25.50	1.219	-0.02	0.398	0.485
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Cheek	0mm	2/3	26865	831.5	23.60	24.50	1.230	-0.09	0.343	0.422
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Tilted	0mm	2/3	26865	831.5	24.64	25.50	1.219	-0.04	0.164	0.200
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Tilted	0mm	2/3	26865	831.5	23.60	24.50	1.230	0.01	0.145	0.178
	LTE Band 5B_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	20600+20501	839	22.91	23.80	1.227	0.06	0.379	0.465
12	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	2	26865	831.5	20.74	22.10	1.368	0.02	0.597	0.817
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Cheek	0mm	2	26865	831.5	20.82	22.10	1.343	0.03	0.585	0.786
	LTE Band 26_Ant 1	15M	QPSK	75	0	Right Cheek	0mm	2	26865	831.5	20.78	22.10	1.355	0.01	0.561	0.760
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	2	26865	831.5	20.74	22.10	1.368	0	0.428	0.585
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Tilted	0mm	2	26865	831.5	20.82	22.10	1.343	0.05	0.408	0.548
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	2	26865	831.5	20.74	22.10	1.368	-0.01	0.392	0.536
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Cheek	0mm	2	26865	831.5	20.82	22.10	1.343	0.09	0.380	0.510
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	2	26865	831.5	20.74	22.10	1.368	-0.04	0.304	0.416
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Tilted	0mm	2	26865	831.5	20.82	22.10	1.343	0.02	0.296	0.397
	LTE Band 5B_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	20600+20501	844	20.19	21.60	1.384	0.02	0.430	0.595
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	3	26865	831.5	20.74	21.40	1.164	0.02	0.597	0.695
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Cheek	0mm	3	26865	831.5	20.82	21.40	1.143	0.03	0.585	0.669
	LTE Band 26_Ant 1	15M	QPSK	75	0	Right Cheek	0mm	3	26865	831.5	20.78	21.40	1.153	0.01	0.561	0.647
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	3	26865	831.5	20.74	21.40	1.164	0	0.428	0.498
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Tilted	0mm	3	26865	831.5	20.82	21.40	1.143	0.05	0.408	0.466
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	3	26865	831.5	20.74	21.40	1.164	-0.01	0.392	0.456
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Cheek	0mm	3	26865	831.5	20.82	21.40	1.143	0.09	0.380	0.434
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	3	26865	831.5	20.74	21.40	1.164	-0.04	0.304	0.354
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Tilted	0mm	3	26865	831.5	20.82	21.40	1.143	0.02	0.296	0.338
	LTE Band 5B_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	20600+20501	844	20.19	20.90	1.178	0.01	0.430	0.506
13	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Cheek	0mm	2/3	27710	2310	21.45	22.50	1.274	0.17	0.508	0.647
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Cheek	0mm	2/3	27710	2310	21.48	22.50	1.265	-0.08	0.401	0.507
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Tilted	0mm	2/3	27710	2310	21.45	22.50	1.274	0	0.189	0.241
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Tilted	0mm	2/3	27710	2310	21.48	22.50	1.265	0.12	0.188	0.238
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Cheek	0mm	2/3	27710	2310	21.45	22.50	1.274	-0.17	0.192	0.245
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Cheek	0mm	2/3	27710	2310	21.48	22.50	1.265	0.05	0.187	0.237
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Tilted	0mm	2/3	27710	2310	21.45	22.50	1.274	-0.01	0.233	0.297
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Tilted	0mm	2/3	27710	2310	21.48	22.50	1.265	0.06	0.223	0.282
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	2/3	27710	2310	19.05	20.80	1.496	0.01	0.042	0.063
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	27710	2310	19.14	20.80	1.466	0.12	0.040	0.059
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	27710	2310	19.05	20.80	1.496	0.1	0.014	0.021
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	27710	2310	19.14	20.80	1.466	0.01	0.010	0.015
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	27710	2310	19.05	20.80	1.496	-0.08	0.069	0.103
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	27710	2310	19.14	20.80	1.466	-0.08	0.061	0.089
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	27710	2310	19.05	20.80	1.496	-0.14	0.017	0.025
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	27710	2310	19.14	20.80	1.466	0.06	0.012	0.018

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	2	132322	1745	24.65	25.50	1.216	-0.12	0.475	0.578
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	132072	1720	24.50	25.50	1.259	0.05	0.519	0.653
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	132572	1770	24.62	25.50	1.225	-0.07	0.668	0.818
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2	132322	1745	23.51	24.50	1.256	-0.02	0.389	0.489
	LTE Band 66_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	2	132322	1745	23.54	24.50	1.247	-0.1	0.445	0.555
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2	132322	1745	24.65	25.50	1.216	0.05	0.260	0.316
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2	132322	1745	23.51	24.50	1.256	0.03	0.218	0.274
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2	132322	1745	24.65	25.50	1.216	0.05	0.224	0.272
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2	132322	1745	23.51	24.50	1.256	0.13	0.188	0.236
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2	132322	1745	24.65	25.50	1.216	0.04	0.208	0.253
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2	132322	1745	23.51	24.50	1.256	0.02	0.169	0.212
	LTE 66B_Ant 2	15M	QPSK	1	0	Right Cheek	0mm	2	132597+132504	1772.5	22.99	23.90	1.233	0.08	0.405	0.499
	LTE 66C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	132572+132374	1770	22.99	23.90	1.233	-0.16	0.419	0.517
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	132322	1745	24.65	25.30	1.161	-0.12	0.475	0.552
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	132072	1720	24.50	25.30	1.202	0.05	0.519	0.624
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	132572	1770	24.62	25.30	1.169	-0.07	0.668	0.781
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	3	132322	1745	23.51	24.30	1.199	-0.02	0.389	0.467
	LTE Band 66_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	3	132322	1745	23.54	24.30	1.191	-0.1	0.445	0.530
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	3	132322	1745	24.65	25.30	1.161	0.05	0.260	0.302
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	3	132322	1745	23.51	24.30	1.199	0.03	0.218	0.261
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	3	132322	1745	24.65	25.30	1.161	0.05	0.224	0.260
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	3	132322	1745	23.51	24.30	1.199	0.13	0.188	0.226
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	3	132322	1745	24.65	25.30	1.161	0.04	0.208	0.242
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	3	132322	1745	23.51	24.30	1.199	0.02	0.169	0.203
	LTE 66B_Ant 2	15M	QPSK	1	0	Right Cheek	0mm	3	132597+132504	1772.5	22.99	23.70	1.178	0.08	0.405	0.477
	LTE 66C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	132572+132374	1770	22.99	23.70	1.178	-0.16	0.419	0.493
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	132322	1745	24.42	25.30	1.225	-0.07	0.163	0.200
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	132072	1720	24.22	25.30	1.282	-0.17	0.146	0.187
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	132572	1770	24.41	25.30	1.227	0.01	0.114	0.140
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	132322	1745	23.32	24.30	1.253	0.08	0.139	0.174
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	132322	1745	24.42	25.30	1.225	0.08	0.081	0.099
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	132322	1745	23.32	24.30	1.253	-0.11	0.066	0.083
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	132322	1745	24.42	25.30	1.225	0.13	0.131	0.160
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	132322	1745	23.32	24.30	1.253	0.13	0.099	0.124
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	132322	1745	24.42	25.30	1.225	0.06	0.100	0.122
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	132322	1745	23.32	24.30	1.253	0.13	0.073	0.091
	LTE 66B_Ant 0	15M	QPSK	1	74	Right Cheek	0mm	2/3	132047+132140	1717.5	22.74	24.50	1.500	0.01	0.089	0.133
	LTE 66C_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	132572+132374	1770	22.88	24.50	1.452	0.06	0.099	0.144

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	2	132322	1745	18.30	19.20	1.230	0.09	0.651	0.801
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	132072	1720	18.23	19.20	1.250	0.01	0.531	0.664
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	132572	1770	18.29	19.20	1.233	0	0.694	0.856
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	132322	1745	18.32	19.20	1.225	0.15	0.597	0.731
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	2	132072	1720	18.25	19.20	1.245	0.01	0.596	0.742
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	132322	1745	18.30	19.20	1.230	0.05	0.653	0.803
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	132072	1720	18.23	19.20	1.250	-0.12	0.545	0.681
14	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	132572	1770	18.29	19.20	1.233	-0.01	0.803	0.990
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	132322	1745	18.32	19.20	1.225	-0.11	0.644	0.789
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	2	132072	1720	18.25	19.20	1.245	0.02	0.602	0.749
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	2	132322	1745	18.30	19.20	1.230	-0.01	0.376	0.463
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	2	132322	1745	18.32	19.20	1.225	0.04	0.311	0.381
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	2	132322	1745	18.30	19.20	1.230	0	0.492	0.605
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	2	132322	1745	18.32	19.20	1.225	0.03	0.402	0.492
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	132322	1745	18.30	18.50	1.047	0.09	0.651	0.682
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	132072	1720	18.23	18.50	1.064	0.01	0.531	0.565
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	132572	1770	18.29	18.50	1.050	0	0.694	0.728
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	3	132322	1745	18.32	18.50	1.042	0.15	0.597	0.622
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	3	132072	1720	18.25	18.50	1.059	0.01	0.596	0.631
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	132322	1745	18.30	18.50	1.047	0.05	0.653	0.684
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	132072	1720	18.23	18.50	1.064	-0.12	0.545	0.580
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	132572	1770	18.29	18.50	1.050	-0.01	0.803	0.843
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	132322	1745	18.32	18.50	1.042	-0.11	0.644	0.671
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	3	132072	1720	18.25	18.50	1.059	0.02	0.602	0.638
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	3	132322	1745	18.30	18.50	1.047	-0.01	0.376	0.394
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	3	132322	1745	18.32	18.50	1.042	0.04	0.311	0.324
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	3	132322	1745	18.30	18.50	1.047	0	0.492	0.515
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	3	132322	1745	18.32	18.50	1.042	0.03	0.402	0.419
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	2	132072	1720	18.90	19.90	1.259	-0.11	0.207	0.261
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	2	132072	1720	18.83	19.90	1.279	-0.05	0.209	0.267
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	2	132072	1720	18.90	19.90	1.259	0.03	0.037	0.047
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	2	132072	1720	18.83	19.90	1.279	0	0.041	0.052
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	132072	1720	18.90	19.90	1.259	-0.15	0.391	0.492
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	132072	1720	18.83	19.90	1.279	-0.17	0.391	0.500
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	132322	1745	18.72	19.90	1.312	0.08	0.416	0.546
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	132572	1770	18.73	19.90	1.309	0.02	0.466	0.610
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	2	132072	1720	18.90	19.90	1.259	-0.12	0.052	0.065
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	2	132072	1720	18.83	19.90	1.279	0.1	0.053	0.068
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	3	132072	1720	18.90	19.20	1.072	-0.11	0.207	0.222
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	3	132072	1720	18.83	19.20	1.089	-0.05	0.209	0.228
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	3	132072	1720	18.90	19.20	1.072	0.03	0.037	0.040
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	3	132072	1720	18.83	19.20	1.089	0	0.041	0.045
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	3	132072	1720	18.90	19.20	1.072	-0.15	0.391	0.419
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	3	132072	1720	18.83	19.20	1.089	-0.17	0.391	0.426
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	3	132322	1745	18.72	19.20	1.117	0.08	0.416	0.465
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	3	132572	1770	18.73	19.20	1.114	0.02	0.466	0.519
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	3	132072	1720	18.90	19.20	1.072	-0.12	0.052	0.056
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	3	132072	1720	18.83	19.20	1.089	0.1	0.053	0.058

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	2/3	133297	680.5	24.71	25.50	1.199	-0.11	0.204	0.245
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	133297	680.5	23.82	24.50	1.169	0.17	0.162	0.189
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	133297	680.5	24.71	25.50	1.199	-0.11	0.113	0.136
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	133297	680.5	23.82	24.50	1.169	-0.04	0.097	0.113
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	133297	680.5	24.71	25.50	1.199	0.1	0.274	0.329
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	133297	680.5	23.82	24.50	1.169	-0.03	0.216	0.253
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	133297	680.5	24.71	25.50	1.199	0	0.120	0.144
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	133297	680.5	23.82	24.50	1.169	0.09	0.099	0.116
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	133297	680.5	22.64	24.20	1.432	0	0.633	0.907
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	133297	680.5	22.69	24.10	1.384	0.04	0.611	0.845
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	2	133297	680.5	22.66	24.10	1.393	0.09	0.580	0.808
15	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	133297	680.5	22.64	24.20	1.432	0	0.687	0.984
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	133297	680.5	22.69	24.10	1.384	0.02	0.655	0.906
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	2	133297	680.5	22.66	24.10	1.393	-0.03	0.644	0.897
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	2	133297	680.5	22.64	24.20	1.432	-0.04	0.268	0.384
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	2	133297	680.5	22.69	24.10	1.384	0.02	0.255	0.353
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	2	133297	680.5	22.64	24.20	1.432	-0.01	0.311	0.445
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	2	133297	680.5	22.69	24.10	1.384	0.09	0.302	0.418
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	133297	680.5	22.64	23.50	1.219	0	0.633	0.772
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	3	133297	680.5	22.69	23.50	1.205	0.04	0.611	0.736
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	133297	680.5	22.64	23.50	1.219	0	0.687	0.837
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	133297	680.5	22.69	23.50	1.205	0.02	0.655	0.789
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	3	133297	680.5	22.66	23.50	1.213	-0.03	0.644	0.781
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	3	133297	680.5	22.64	23.50	1.219	-0.04	0.268	0.327
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	3	133297	680.5	22.69	23.50	1.205	0.02	0.255	0.307
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	3	133297	680.5	22.64	23.50	1.219	-0.01	0.311	0.379
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	3	133297	680.5	22.69	23.50	1.205	0.09	0.302	0.364

<TDD 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	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	2	40185	2549.5	22.78	23.90	1.294	62.9	1.006	-0.16	0.465	0.605
16	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	39750	2506	22.75	23.90	1.303	62.9	1.006	-0.19	0.690	0.905
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	40620	2593	22.66	23.90	1.330	62.9	1.006	-0.16	0.505	0.676
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	41055	2636.5	22.56	23.90	1.361	62.9	1.006	-0.04	0.441	0.604
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	41490	2680	22.56	23.90	1.361	62.9	1.006	-0.12	0.437	0.599
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2	40185	2549.5	21.76	22.90	1.300	62.9	1.006	-0.19	0.381	0.498
	LTE Band 41_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	2	40185	2549.5	21.76	22.90	1.300	62.9	1.006	-0.06	0.387	0.506
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2	40185	2549.5	22.78	23.90	1.294	62.9	1.006	0	0.156	0.203
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2	40185	2549.5	21.76	22.90	1.300	62.9	1.006	-0.01	0.125	0.163
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2	40185	2549.5	22.78	23.90	1.294	62.9	1.006	-0.13	0.197	0.256
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2	40185	2549.5	21.76	22.90	1.300	62.9	1.006	-0.03	0.157	0.205
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2	40185	2549.5	22.78	23.90	1.294	62.9	1.006	-0.15	0.187	0.243
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2	40185	2549.5	21.76	22.90	1.300	62.9	1.006	-0.09	0.152	0.199
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	41490	2680	24.31	25.60	1.346	42.9	1.009	-0.11	0.408	0.554
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	39750	2506	24.28	25.60	1.355	42.9	1.009	0	0.605	0.827
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	40185	2549.5	24.18	25.60	1.387	42.9	1.009	-0.01	0.401	0.561
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	40620	2593	24.20	25.60	1.380	42.9	1.009	-0.15	0.401	0.559
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	41055	2636.5	24.19	25.60	1.384	42.9	1.009	-0.11	0.404	0.564
	LTE 38C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	38000+37802	2595	22.98	23.90	1.236	62.9	1.006	0.05	0.508	0.632
	LTE 41C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2	41490+41292	2680	22.08	23.90	1.521	62.9	1.006	-0.06	0.377	0.577
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	40185	2549.5	22.78	23.30	1.127	62.9	1.006	-0.16	0.465	0.527
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	39750	2506	22.75	23.30	1.135	62.9	1.006	-0.19	0.690	0.788
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	40620	2593	22.66	23.30	1.159	62.9	1.006	-0.16	0.505	0.589
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	41055	2636.5	22.56	23.30	1.186	62.9	1.006	-0.04	0.441	0.526
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	41490	2680	22.56	23.30	1.186	62.9	1.006	-0.12	0.437	0.521
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	3	40185	2549.5	21.76	22.30	1.132	62.9	1.006	-0.19	0.381	0.434
	LTE Band 41_Ant 2	20M	QPSK	100	0	Right Cheek	0mm	3	40185	2549.5	21.76	22.30	1.132	62.9	1.006	-0.06	0.387	0.441
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	3	40185	2549.5	22.78	23.30	1.127	62.9	1.006	0	0.156	0.177
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	3	40185	2549.5	21.76	22.30	1.132	62.9	1.006	-0.01	0.125	0.142
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	3	40185	2549.5	22.78	23.30	1.127	62.9	1.006	-0.13	0.197	0.223
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	3	40185	2549.5	21.76	22.30	1.132	62.9	1.006	-0.03	0.157	0.179
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	3	40185	2549.5	22.78	23.30	1.127	62.9	1.006	-0.15	0.187	0.212
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	3	40185	2549.5	21.76	22.30	1.132	62.9	1.006	-0.09	0.152	0.173
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	41490	2680	24.31	24.90	1.146	42.9	1.009	-0.11	0.408	0.472
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	39750	2506	24.28	24.90	1.153	42.9	1.009	0	0.605	0.704
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	40185	2549.5	24.18	24.90	1.180	42.9	1.009	-0.01	0.401	0.478
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	40620	2593	24.20	24.90	1.175	42.9	1.009	-0.15	0.401	0.475
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	41055	2636.5	24.19	24.90	1.178	42.9	1.009	-0.11	0.404	0.480
	LTE 38C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	38000+37802	2595	22.98	23.30	1.076	62.9	1.006	0.05	0.508	0.550
	LTE 41C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	3	41490+41292	2680	22.08	23.30	1.324	62.9	1.006	-0.06	0.377	0.502

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 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	41490	2680	22.10	23.70	1.445	62.9	1.006	-0.14	0.056	0.081
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	41490	2680	21.16	22.70	1.426	62.9	1.006	-0.07	0.050	0.072
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	41490	2680	22.10	23.70	1.445	62.9	1.006	-0.12	0.021	0.031
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	41490	2680	21.16	22.70	1.426	62.9	1.006	0.14	0.013	0.019
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	41490	2680	22.10	23.70	1.445	62.9	1.006	0.03	0.116	0.169
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	39750	2506	22.00	23.70	1.479	62.9	1.006	0.09	0.077	0.115
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	40185	2549.5	22.02	23.70	1.472	62.9	1.006	0.03	0.071	0.105
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	40620	2593	22.04	23.70	1.466	62.9	1.006	-0.09	0.075	0.111
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	41055	2636.5	21.97	23.70	1.489	62.9	1.006	-0.08	0.109	0.163
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	41490	2680	21.16	22.70	1.426	62.9	1.006	0.16	0.092	0.132
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	41490	2680	22.10	23.70	1.445	62.9	1.006	-0.08	0.037	0.054
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	41490	2680	21.16	22.70	1.426	62.9	1.006	-0.03	0.029	0.042
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	41490	2680	24.85	26.50	1.462	42.9	1.009	0.19	0.145	0.214
	LTE 38C_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	38150+37952	2610	21.99	23.50	1.416	62.9	1.006	-0.01	0.080	0.114
	LTE 41C_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	41490+41292	2680	21.68	23.00	1.355	62.9	1.006	0.06	0.092	0.125
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Cheek	0mm	2/3	55830	3609	21.85	22.50	1.161	62.9	1.006	-0.16	0.216	0.252
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Cheek	0mm	2/3	55830	3609	21.88	22.50	1.153	62.9	1.006	-0.14	0.210	0.244
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Tilted	0mm	2/3	55830	3609	21.85	22.50	1.161	62.9	1.006	-0.1	0.129	0.151
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Tilted	0mm	2/3	55830	3609	21.88	22.50	1.153	62.9	1.006	0.19	0.127	0.147
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	2/3	55830	3609	21.85	22.50	1.161	62.9	1.006	-0.17	0.461	0.539
17	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	2/3	55340	3560	21.51	22.50	1.256	62.9	1.006	0.19	0.479	0.605
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	2/3	56150	3641	21.69	22.50	1.205	62.9	1.006	0	0.456	0.553
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	2/3	56640	3690	21.32	22.50	1.312	62.9	1.006	0.14	0.419	0.553
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Cheek	0mm	2/3	55830	3609	21.88	22.50	1.153	62.9	1.006	-0.12	0.452	0.524
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Tilted	0mm	2/3	55830	3609	21.85	22.50	1.161	62.9	1.006	-0.09	0.064	0.075
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Tilted	0mm	2/3	55830	3609	21.88	22.50	1.153	62.9	1.006	0.02	0.063	0.073
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Cheek	0mm	2/3	55830	3609	23.10	24.00	1.230	62.9	1.006	0.19	0.077	0.095
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Cheek	0mm	2/3	55340	3560	22.83	24.00	1.309	62.9	1.006	-0.19	0.080	0.105
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Cheek	0mm	2/3	56150	3641	22.95	24.00	1.274	62.9	1.006	-0.04	0.075	0.096
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Cheek	0mm	2/3	56640	3690	22.55	24.00	1.396	62.9	1.006	0.08	0.154	0.216
	LTE Band 48_Ant 7	20M	QPSK	50	0	Right Cheek	0mm	2/3	55830	3609	22.74	24.00	1.337	62.9	1.006	0.15	0.064	0.086
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Tilted	0mm	2/3	55830	3609	23.10	24.00	1.230	62.9	1.006	0.08	0.021	0.026
	LTE Band 48_Ant 7	20M	QPSK	50	0	Right Tilted	0mm	2/3	55830	3609	22.74	24.00	1.337	62.9	1.006	0.14	0.020	0.027
	LTE Band 48_Ant 7	20M	QPSK	1	0	Left Cheek	0mm	2/3	55830	3609	23.10	24.00	1.230	62.9	1.006	-0.05	0.033	0.041
	LTE Band 48_Ant 7	20M	QPSK	50	0	Left Cheek	0mm	2/3	55830	3609	22.74	24.00	1.337	62.9	1.006	-0.12	0.032	0.043
	LTE Band 48_Ant 7	20M	QPSK	1	0	Left Tilted	0mm	2/3	55830	3609	23.10	24.00	1.230	62.9	1.006	0.04	0.009	0.011
	LTE Band 48_Ant 7	20M	QPSK	50	0	Left Tilted	0mm	2/3	55830	3609	22.74	24.00	1.337	62.9	1.006	-0.17	0.008	0.011

<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 1	20M	BPSK	1	53	Right Cheek	0mm	2	376000	1880	16.64	17.70	1.276	0	0.623	0.795
	FR1 n2_Ant 1	20M	BPSK	50	0	Right Cheek	0mm	2	376000	1880	16.60	17.70	1.288	0.06	0.601	0.774
	FR1 n2_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	2	376000	1880	16.64	17.70	1.276	0.09	0.629	0.803
	FR1 n2_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	2	372000	1860	16.61	17.70	1.285	-0.11	0.569	0.731
18	FR1 n2_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	2	380000	1900	16.59	17.70	1.291	-0.02	0.744	0.961
	FR1 n2_Ant 1	20M	BPSK	50	0	Right Tilted	0mm	2	376000	1880	16.60	17.70	1.288	0.03	0.599	0.772
	FR1 n2_Ant 1	20M	BPSK	100	0	Right Tilted	0mm	2	376000	1880	16.53	17.70	1.309	-0.09	0.592	0.775
	FR1 n2_Ant 1	20M	BPSK	1	53	Left Cheek	0mm	2	376000	1880	16.64	17.70	1.276	0.01	0.304	0.388
	FR1 n2_Ant 1	20M	BPSK	50	0	Left Cheek	0mm	2	376000	1880	16.60	17.70	1.288	0.04	0.297	0.383
	FR1 n2_Ant 1	20M	BPSK	1	53	Left Tilted	0mm	2	376000	1880	16.64	17.70	1.276	-0.11	0.367	0.468
	FR1 n2_Ant 1	20M	BPSK	50	0	Left Tilted	0mm	2	376000	1880	16.60	17.70	1.288	0.08	0.357	0.460
	FR1 n2_Ant 1	20M	BPSK	1	53	Right Cheek	0mm	3	376000	1880	16.64	17.00	1.086	0	0.623	0.677
	FR1 n2_Ant 1	20M	BPSK	50	0	Right Cheek	0mm	3	376000	1880	16.60	17.00	1.096	0.06	0.601	0.659
	FR1 n2_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	3	376000	1880	16.64	17.00	1.086	0.09	0.629	0.683
	FR1 n2_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	3	372000	1860	16.61	17.00	1.094	-0.11	0.569	0.622
	FR1 n2_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	3	380000	1900	16.59	17.00	1.099	-0.02	0.744	0.818
	FR1 n2_Ant 1	20M	BPSK	50	0	Right Tilted	0mm	3	376000	1880	16.60	17.00	1.096	0.03	0.599	0.657
	FR1 n2_Ant 1	20M	BPSK	100	0	Right Tilted	0mm	3	376000	1880	16.53	17.00	1.114	-0.09	0.592	0.660
	FR1 n2_Ant 1	20M	BPSK	1	53	Left Cheek	0mm	3	376000	1880	16.64	17.00	1.086	0.01	0.304	0.330
	FR1 n2_Ant 1	20M	BPSK	50	0	Left Cheek	0mm	3	376000	1880	16.60	17.00	1.096	0.04	0.297	0.326
	FR1 n2_Ant 1	20M	BPSK	1	53	Left Tilted	0mm	3	376000	1880	16.64	17.00	1.086	-0.11	0.367	0.399
	FR1 n2_Ant 1	20M	BPSK	50	0	Left Tilted	0mm	3	376000	1880	16.60	17.00	1.096	0.08	0.357	0.391
	FR1 n2_Ant 5	20M	BPSK	1	1	Right Cheek	0mm	2	376000	1880	15.90	17.30	1.380	0.05	0.225	0.311
	FR1 n2_Ant 5	20M	BPSK	50	0	Right Cheek	0mm	2	376000	1880	15.86	17.30	1.393	-0.15	0.229	0.319
	FR1 n2_Ant 5	20M	BPSK	1	1	Right Tilted	0mm	2	376000	1880	15.90	17.30	1.380	0.04	0.035	0.048
	FR1 n2_Ant 5	20M	BPSK	50	0	Right Tilted	0mm	2	376000	1880	15.86	17.30	1.393	-0.13	0.036	0.050
	FR1 n2_Ant 5	20M	BPSK	1	1	Left Cheek	0mm	2	376000	1880	15.90	17.30	1.380	0.12	0.389	0.537
	FR1 n2_Ant 5	20M	BPSK	50	0	Left Cheek	0mm	2	376000	1880	15.86	17.30	1.393	0.06	0.414	0.577
	FR1 n2_Ant 5	20M	BPSK	50	0	Left Cheek	0mm	2	372000	1860	15.82	17.30	1.406	0.08	0.337	0.474
	FR1 n2_Ant 5	20M	BPSK	50	0	Left Cheek	0mm	2	380000	1900	15.82	17.30	1.406	-0.1	0.446	0.627
	FR1 n2_Ant 5	20M	BPSK	1	1	Left Tilted	0mm	2	376000	1880	15.90	17.30	1.380	-0.12	0.057	0.079
	FR1 n2_Ant 5	20M	BPSK	50	0	Left Tilted	0mm	2	376000	1880	15.86	17.30	1.393	0.05	0.060	0.084
	FR1 n2_Ant 5	20M	BPSK	1	1	Right Cheek	0mm	3	376000	1880	15.90	16.60	1.175	0.05	0.225	0.264
	FR1 n2_Ant 5	20M	BPSK	50	0	Right Cheek	0mm	3	376000	1880	15.86	16.60	1.186	-0.15	0.229	0.272
	FR1 n2_Ant 5	20M	BPSK	1	1	Right Tilted	0mm	3	376000	1880	15.90	16.60	1.175	0.04	0.035	0.041
	FR1 n2_Ant 5	20M	BPSK	50	0	Right Tilted	0mm	3	376000	1880	15.86	16.60	1.186	-0.13	0.036	0.043
	FR1 n2_Ant 5	20M	BPSK	1	1	Left Cheek	0mm	3	376000	1880	15.90	16.60	1.175	0.12	0.389	0.457
	FR1 n2_Ant 5	20M	BPSK	50	0	Left Cheek	0mm	3	376000	1880	15.86	16.60	1.186	0.06	0.414	0.491
	FR1 n2_Ant 5	20M	BPSK	50	0	Left Cheek	0mm	3	372000	1860	15.82	16.60	1.197	0.08	0.337	0.403
	FR1 n2_Ant 5	20M	BPSK	50	0	Left Cheek	0mm	3	380000	1900	15.82	16.60	1.197	-0.1	0.446	0.534
	FR1 n2_Ant 5	20M	BPSK	1	1	Left Tilted	0mm	3	376000	1880	15.90	16.60	1.175	-0.12	0.057	0.067
	FR1 n2_Ant 5	20M	BPSK	50	0	Left Tilted	0mm	3	376000	1880	15.86	16.60	1.186	0.05	0.060	0.071

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)
19	FR1 n7_Ant 2	50M	BPSK	1	1	Right Cheek	0mm	2	507000	2535	21.30	22.80	1.413	-0.09	0.649	0.917
	FR1 n7_Ant 2	50M	BPSK	135	0	Right Cheek	0mm	2	507000	2535	21.10	22.80	1.479	0.02	0.563	0.833
	FR1 n7_Ant 2	50M	BPSK	270	0	Right Cheek	0mm	2	507000	2535	20.98	22.80	1.521	0.05	0.546	0.830
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Tilted	0mm	2	507000	2535	21.30	22.80	1.413	0.03	0.191	0.270
	FR1 n7_Ant 2	50M	BPSK	135	0	Right Tilted	0mm	2	507000	2535	21.10	22.80	1.479	0.01	0.197	0.291
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Cheek	0mm	2	507000	2535	21.30	22.80	1.413	-0.06	0.243	0.343
	FR1 n7_Ant 2	50M	BPSK	135	0	Left Cheek	0mm	2	507000	2535	21.10	22.80	1.479	-0.03	0.237	0.351
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Tilted	0mm	2	507000	2535	21.30	22.80	1.413	0.01	0.257	0.363
	FR1 n7_Ant 2	50M	BPSK	135	0	Left Tilted	0mm	2	507000	2535	21.10	22.80	1.479	0.06	0.283	0.419
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Cheek	0mm	3	507000	2535	21.30	22.10	1.202	-0.09	0.649	0.780
	FR1 n7_Ant 2	50M	BPSK	135	0	Right Cheek	0mm	3	507000	2535	21.10	22.10	1.259	0.02	0.563	0.709
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Tilted	0mm	3	507000	2535	21.30	22.10	1.202	0.03	0.191	0.230
	FR1 n7_Ant 2	50M	BPSK	135	0	Right Tilted	0mm	3	507000	2535	21.10	22.10	1.259	0.01	0.197	0.248
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Cheek	0mm	3	507000	2535	21.30	22.10	1.202	-0.06	0.243	0.292
	FR1 n7_Ant 2	50M	BPSK	135	0	Left Cheek	0mm	3	507000	2535	21.10	22.10	1.259	-0.03	0.237	0.298
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Tilted	0mm	3	507000	2535	21.30	22.10	1.202	0.01	0.257	0.309
	FR1 n7_Ant 2	50M	BPSK	135	0	Left Tilted	0mm	3	507000	2535	21.10	22.10	1.259	0.06	0.283	0.356
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Cheek	0mm	2/3	507000	2535	23.82	25.00	1.312	-0.03	0.211	0.277
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Cheek	0mm	2/3	507000	2535	23.80	25.00	1.318	-0.05	0.201	0.265
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Tilted	0mm	2/3	507000	2535	23.82	25.00	1.312	0.13	0.069	0.091
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Tilted	0mm	2/3	507000	2535	23.80	25.00	1.318	0.11	0.054	0.071
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Cheek	0mm	2/3	507000	2535	23.82	25.00	1.312	-0.08	0.201	0.264
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Cheek	0mm	2/3	507000	2535	23.80	25.00	1.318	-0.02	0.184	0.243
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Tilted	0mm	2/3	507000	2535	23.82	25.00	1.312	0.01	0.106	0.139
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Tilted	0mm	2/3	507000	2535	23.80	25.00	1.318	0.03	0.095	0.125
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Cheek	0mm	2/3	141500	707.5	24.66	25.50	1.213	-0.05	0.216	0.262
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Cheek	0mm	2/3	141500	707.5	24.61	25.50	1.227	-0.03	0.237	0.291
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Tilted	0mm	2/3	141500	707.5	24.66	25.50	1.213	0.01	0.108	0.131
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Tilted	0mm	2/3	141500	707.5	24.61	25.50	1.227	0.05	0.143	0.176
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Cheek	0mm	2/3	141500	707.5	24.66	25.50	1.213	0.01	0.312	0.379
	FR1 n12_Ant 0	15M	BPSK	36	22	Left Cheek	0mm	2/3	141500	707.5	24.61	25.50	1.227	-0.01	0.271	0.333
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Tilted	0mm	2/3	141500	707.5	24.66	25.50	1.213	0.05	0.147	0.178
	FR1 n12_Ant 0	15M	BPSK	36	22	Left Tilted	0mm	2/3	141500	707.5	24.61	25.50	1.227	0.02	0.185	0.227
20	FR1 n12_Ant 1	15M	BPSK	1	1	Right Cheek	0mm	2	141500	707.5	21.67	23.40	1.489	0.04	0.622	0.926
	FR1 n12_Ant 1	15M	BPSK	36	0	Right Cheek	0mm	2	141500	707.5	21.69	23.40	1.483	0.09	0.553	0.820
	FR1 n12_Ant 1	15M	BPSK	75	0	Right Cheek	0mm	2	141500	707.5	21.67	23.40	1.489	-0.04	0.517	0.770
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Tilted	0mm	2	141500	707.5	21.67	23.40	1.489	0.04	0.575	0.856
	FR1 n12_Ant 1	15M	BPSK	36	0	Right Tilted	0mm	2	141500	707.5	21.69	23.40	1.483	0.09	0.562	0.833
	FR1 n12_Ant 1	15M	BPSK	75	0	Right Tilted	0mm	2	141500	707.5	21.67	23.40	1.489	-0.05	0.528	0.786
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Cheek	0mm	2	141500	707.5	21.67	23.40	1.489	-0.02	0.369	0.550
	FR1 n12_Ant 1	15M	BPSK	36	0	Left Cheek	0mm	2	141500	707.5	21.69	23.40	1.483	0.13	0.351	0.520
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Tilted	0mm	2	141500	707.5	21.67	23.40	1.489	0.02	0.347	0.517
	FR1 n12_Ant 1	15M	BPSK	36	0	Left Tilted	0mm	2	141500	707.5	21.69	23.40	1.483	0.1	0.325	0.482
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Cheek	0mm	3	141500	707.5	21.67	22.70	1.268	0.04	0.622	0.788
	FR1 n12_Ant 1	15M	BPSK	36	0	Right Cheek	0mm	3	141500	707.5	21.69	22.70	1.262	0.09	0.553	0.698
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Tilted	0mm	3	141500	707.5	21.67	22.70	1.268	0.04	0.575	0.729
	FR1 n12_Ant 1	15M	BPSK	36	0	Right Tilted	0mm	3	141500	707.5	21.69	22.70	1.262	0.09	0.562	0.709
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Cheek	0mm	3	141500	707.5	21.67	22.70	1.268	-0.02	0.369	0.468
	FR1 n12_Ant 1	15M	BPSK	36	0	Left Cheek	0mm	3	141500	707.5	21.69	22.70	1.262	0.13	0.351	0.443
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Tilted	0mm	3	141500	707.5	21.67	22.70	1.268	0.02	0.347	0.440
	FR1 n12_Ant 1	15M	BPSK	36	0	Left Tilted	0mm	3	141500	707.5	21.69	22.70	1.262	0.1	0.325	0.410

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)
21	FR1 n25_Ant 2	40M	BPSK	1	1	Right Cheek	0mm	2	376500	1882.5	23.42	24.70	1.343	0.12	0.603	0.810
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Cheek	0mm	2	376500	1882.5	23.35	24.70	1.365	0.15	0.574	0.783
	FR1 n25_Ant 2	40M	BPSK	216	0	Right Cheek	0mm	2	376500	1882.5	23.39	24.70	1.352	0.08	0.573	0.775
	FR1 n25_Ant 2	40M	BPSK	1	1	Right Tilted	0mm	2	376500	1882.5	23.42	24.70	1.343	-0.03	0.202	0.271
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Tilted	0mm	2	376500	1882.5	23.35	24.70	1.365	0.09	0.209	0.285
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Cheek	0mm	2	376500	1882.5	23.42	24.70	1.343	-0.09	0.269	0.361
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Cheek	0mm	2	376500	1882.5	23.35	24.70	1.365	-0.06	0.279	0.381
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Tilted	0mm	2	376500	1882.5	23.42	24.70	1.343	-0.07	0.206	0.277
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Tilted	0mm	2	376500	1882.5	23.35	24.70	1.365	0.01	0.207	0.282
	FR1 n25_Ant 2	40M	BPSK	1	1	Right Cheek	0mm	3	376500	1882.5	23.42	24.00	1.143	0.12	0.603	0.689
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Cheek	0mm	3	376500	1882.5	23.35	24.00	1.161	0.15	0.574	0.667
	FR1 n25_Ant 2	40M	BPSK	1	1	Right Tilted	0mm	3	376500	1882.5	23.42	24.00	1.143	-0.03	0.202	0.231
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Tilted	0mm	3	376500	1882.5	23.35	24.00	1.161	0.09	0.209	0.243
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Cheek	0mm	3	376500	1882.5	23.42	24.00	1.143	-0.09	0.269	0.307
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Cheek	0mm	3	376500	1882.5	23.35	24.00	1.161	-0.06	0.279	0.324
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Tilted	0mm	3	376500	1882.5	23.42	24.00	1.143	-0.07	0.206	0.235
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Tilted	0mm	3	376500	1882.5	23.35	24.00	1.161	0.01	0.207	0.240
	FR1 n25_Ant 0	40M	BPSK	1	108	Right Cheek	0mm	2/3	376500	1882.5	24.58	25.30	1.180	0.17	0.087	0.103
	FR1 n25_Ant 0	40M	BPSK	108	54	Right Cheek	0mm	2/3	376500	1882.5	24.56	25.30	1.186	0.01	0.065	0.077
	FR1 n25_Ant 0	40M	BPSK	1	108	Right Tilted	0mm	2/3	376500	1882.5	24.58	25.30	1.180	-0.02	0.057	0.067
	FR1 n25_Ant 0	40M	BPSK	108	54	Right Tilted	0mm	2/3	376500	1882.5	24.56	25.30	1.186	0.09	0.036	0.043
	FR1 n25_Ant 0	40M	BPSK	1	108	Left Cheek	0mm	2/3	376500	1882.5	24.58	25.30	1.180	0.07	0.115	0.136
	FR1 n25_Ant 0	40M	BPSK	108	54	Left Cheek	0mm	2/3	376500	1882.5	24.56	25.30	1.186	0.14	0.104	0.123
	FR1 n25_Ant 0	40M	BPSK	1	108	Left Tilted	0mm	2/3	376500	1882.5	24.58	25.30	1.180	-0.1	0.050	0.059
	FR1 n25_Ant 0	40M	BPSK	108	54	Left Tilted	0mm	2/3	376500	1882.5	24.56	25.30	1.186	0.09	0.043	0.051

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 n26_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	2/3	166300	831.5	24.60	25.50	1.230	0.06	0.304	0.374
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	2/3	166300	831.5	24.52	25.50	1.253	-0.01	0.289	0.362
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	2/3	166300	831.5	24.60	25.50	1.230	-0.07	0.142	0.175
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	2/3	166300	831.5	24.52	25.50	1.253	0.08	0.136	0.170
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	2/3	166300	831.5	24.60	25.50	1.230	-0.13	0.437	0.538
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	2/3	166300	831.5	24.52	25.50	1.253	0.09	0.421	0.528
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	2/3	166300	831.5	24.60	25.50	1.230	-0.01	0.159	0.196
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	2/3	166300	831.5	24.52	25.50	1.253	0.14	0.141	0.177
22	FR1 n26_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	2	166300	831.5	20.43	21.30	1.222	0.03	0.637	0.778
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	2	166300	831.5	20.42	21.30	1.225	-0.09	0.557	0.682
	FR1 n26_Ant 1	20M	BPSK	100	0	Right Cheek	0mm	2	166300	831.5	20.42	21.30	1.225	0.13	0.543	0.665
	FR1 n26_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	2	166300	831.5	20.43	21.30	1.222	-0.01	0.505	0.617
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	2	166300	831.5	20.42	21.30	1.225	0.07	0.501	0.614
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	2	166300	831.5	20.43	21.30	1.222	0	0.434	0.530
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	2	166300	831.5	20.42	21.30	1.225	0.16	0.429	0.525
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	2	166300	831.5	20.43	21.30	1.222	0.02	0.368	0.450
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	2	166300	831.5	20.42	21.30	1.225	-0.08	0.350	0.429
	FR1 n26_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	3	166300	831.5	20.43	20.60	1.040	0.03	0.637	0.662
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	3	166300	831.5	20.42	20.60	1.042	-0.09	0.557	0.581
	FR1 n26_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	3	166300	831.5	20.43	20.60	1.040	-0.01	0.505	0.525
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	3	166300	831.5	20.42	20.60	1.042	0.07	0.501	0.522
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	3	166300	831.5	20.43	20.60	1.040	0	0.434	0.451
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	3	166300	831.5	20.42	20.60	1.042	0.16	0.429	0.447
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	3	166300	831.5	20.43	20.60	1.040	0.02	0.368	0.383
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	3	166300	831.5	20.42	20.60	1.042	-0.08	0.350	0.365
23	FR1 n30_Ant 2	10M	BPSK	1	1	Right Cheek	0mm	2/3	462000	2310	21.51	22.50	1.256	-0.06	0.539	0.677
	FR1 n30_Ant 2	10M	BPSK	25	0	Right Cheek	0mm	2/3	462000	2310	21.51	22.50	1.256	0.02	0.402	0.505
	FR1 n30_Ant 2	10M	BPSK	1	1	Right Tilted	0mm	2/3	462000	2310	21.51	22.50	1.256	-0.02	0.175	0.220
	FR1 n30_Ant 2	10M	BPSK	25	0	Right Tilted	0mm	2/3	462000	2310	21.51	22.50	1.256	0.06	0.162	0.203
	FR1 n30_Ant 2	10M	BPSK	1	1	Left Cheek	0mm	2/3	462000	2310	21.51	22.50	1.256	-0.02	0.216	0.271
	FR1 n30_Ant 2	10M	BPSK	25	0	Left Cheek	0mm	2/3	462000	2310	21.51	22.50	1.256	-0.05	0.223	0.280
	FR1 n30_Ant 2	10M	BPSK	1	1	Left Tilted	0mm	2/3	462000	2310	21.51	22.50	1.256	-0.07	0.221	0.278
	FR1 n30_Ant 2	10M	BPSK	25	0	Left Tilted	0mm	2/3	462000	2310	21.51	22.50	1.256	-0.01	0.058	0.073
	FR1 n30_Ant 0	10M	BPSK	1	26	Right Cheek	0mm	2/3	462000	2310	20.03	20.80	1.194	-0.07	0.058	0.069
	FR1 n30_Ant 0	10M	BPSK	25	0	Right Cheek	0mm	2/3	462000	2310	19.99	20.80	1.205	0.04	0.055	0.066
	FR1 n30_Ant 0	10M	BPSK	1	26	Right Tilted	0mm	2/3	462000	2310	20.03	20.80	1.194	-0.09	0.020	0.024
	FR1 n30_Ant 0	10M	BPSK	25	0	Right Tilted	0mm	2/3	462000	2310	19.99	20.80	1.205	-0.08	0.015	0.018
	FR1 n30_Ant 0	10M	BPSK	1	26	Left Cheek	0mm	2/3	462000	2310	20.03	20.80	1.194	0.02	0.132	0.158
	FR1 n30_Ant 0	10M	BPSK	25	0	Left Cheek	0mm	2/3	462000	2310	19.99	20.80	1.205	0.05	0.127	0.153
	FR1 n30_Ant 0	10M	BPSK	1	26	Left Tilted	0mm	2/3	462000	2310	20.03	20.80	1.194	-0.11	0.029	0.035
	FR1 n30_Ant 0	10M	BPSK	25	0	Left Tilted	0mm	2/3	462000	2310	19.99	20.80	1.205	-0.15	0.025	0.030

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	Right Cheek	0mm	2/3	349000	1745	24.59	25.50	1.233	-0.14	0.572	0.705
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Cheek	0mm	2/3	349000	1745	24.70	25.50	1.202	0.05	0.464	0.558
	FR1 n66_Ant 2	40M	BPSK	1	1	Right Tilted	0mm	2/3	349000	1745	24.59	25.50	1.233	-0.02	0.220	0.271
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Tilted	0mm	2/3	349000	1745	24.70	25.50	1.202	-0.06	0.235	0.283
	FR1 n66_Ant 2	40M	BPSK	1	1	Left Cheek	0mm	2/3	349000	1745	24.59	25.50	1.233	0.17	0.178	0.219
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Cheek	0mm	2/3	349000	1745	24.70	25.50	1.202	0.11	0.181	0.218
	FR1 n66_Ant 2	40M	BPSK	1	1	Left Tilted	0mm	2/3	349000	1745	24.59	25.50	1.233	-0.1	0.180	0.222
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Tilted	0mm	2/3	349000	1745	24.70	25.50	1.202	-0.05	0.169	0.203
	FR1 n66_Ant 0	40M	BPSK	1	108	Right Cheek	0mm	2/3	349000	1745	24.78	25.30	1.127	-0.06	0.175	0.197
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Cheek	0mm	2/3	349000	1745	24.68	25.30	1.153	0.03	0.118	0.136
	FR1 n66_Ant 0	40M	BPSK	1	108	Right Tilted	0mm	2/3	349000	1745	24.78	25.30	1.127	-0.04	0.088	0.099
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Tilted	0mm	2/3	349000	1745	24.68	25.30	1.153	-0.01	0.082	0.095
	FR1 n66_Ant 0	40M	BPSK	1	108	Left Cheek	0mm	2/3	349000	1745	24.78	25.30	1.127	-0.07	0.136	0.153
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Cheek	0mm	2/3	349000	1745	24.68	25.30	1.153	0.02	0.102	0.118
	FR1 n66_Ant 0	40M	BPSK	1	108	Left Tilted	0mm	2/3	349000	1745	24.78	25.30	1.127	-0.14	0.087	0.098
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Tilted	0mm	2/3	349000	1745	24.68	25.30	1.153	0.08	0.065	0.075
	FR1 n66_Ant 1	40M	BPSK	1	108	Right Cheek	0mm	2	349000	1745	19.40	20.10	1.175	-0.01	0.753	0.885
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Cheek	0mm	2	349000	1745	19.39	20.10	1.178	0.06	0.739	0.870
	FR1 n66_Ant 1	40M	BPSK	216	0	Right Cheek	0mm	2	349000	1745	19.39	20.10	1.178	-0.13	0.729	0.858
	FR1 n66_Ant 1	40M	BPSK	1	108	Right Tilted	0mm	2	349000	1745	19.40	20.10	1.175	0.11	0.845	0.993
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Tilted	0mm	2	349000	1745	19.39	20.10	1.178	0.15	0.842	0.992
24	FR1 n66_Ant 1	40M	BPSK	216	0	Right Tilted	0mm	2	349000	1745	19.39	20.10	1.178	-0.04	0.847	0.997
	FR1 n66_Ant 1	40M	BPSK	1	108	Left Cheek	0mm	2	349000	1745	19.40	20.10	1.175	0.08	0.467	0.549
	FR1 n66_Ant 1	40M	BPSK	108	0	Left Cheek	0mm	2	349000	1745	19.39	20.10	1.178	-0.12	0.459	0.541
	FR1 n66_Ant 1	40M	BPSK	1	108	Left Tilted	0mm	2	349000	1745	19.40	20.10	1.175	0.1	0.559	0.657
	FR1 n66_Ant 1	40M	BPSK	108	0	Left Tilted	0mm	2	349000	1745	19.39	20.10	1.178	0.1	0.550	0.648
	FR1 n66_Ant 1	40M	BPSK	1	108	Right Cheek	0mm	3	349000	1745	19.40	19.40	1.000	-0.01	0.753	0.753
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Cheek	0mm	3	349000	1745	19.39	19.40	1.002	0.06	0.739	0.741
	FR1 n66_Ant 1	40M	BPSK	216	0	Right Cheek	0mm	3	349000	1745	19.39	19.40	1.002	-0.13	0.729	0.731
	FR1 n66_Ant 1	40M	BPSK	1	108	Right Tilted	0mm	3	349000	1745	19.40	19.40	1.000	0.11	0.845	0.845
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Tilted	0mm	3	349000	1745	19.39	19.40	1.002	0.15	0.842	0.844
	FR1 n66_Ant 1	40M	BPSK	216	0	Right Tilted	0mm	3	349000	1745	19.39	19.40	1.002	-0.04	0.847	0.849
	FR1 n66_Ant 1	40M	BPSK	1	108	Left Cheek	0mm	3	349000	1745	19.40	19.40	1.000	0.08	0.467	0.467
	FR1 n66_Ant 1	40M	BPSK	108	0	Left Cheek	0mm	3	349000	1745	19.39	19.40	1.002	-0.12	0.459	0.460
	FR1 n66_Ant 1	40M	BPSK	1	108	Left Tilted	0mm	3	349000	1745	19.40	19.40	1.000	0.1	0.559	0.559
	FR1 n66_Ant 1	40M	BPSK	108	0	Left Tilted	0mm	3	349000	1745	19.39	19.40	1.002	0.1	0.550	0.551
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	2	349000	1745	18.79	19.80	1.262	-0.12	0.279	0.352
	FR1 n66_Ant 5	40M	BPSK	108	0	Right Cheek	0mm	2	349000	1745	18.78	19.80	1.265	0.06	0.289	0.366
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	2	349000	1745	18.79	19.80	1.262	-0.15	0.037	0.047
	FR1 n66_Ant 5	40M	BPSK	108	0	Right Tilted	0mm	2	349000	1745	18.78	19.80	1.265	0.06	0.037	0.047
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	2	349000	1745	18.79	19.80	1.262	-0.01	0.471	0.594
	FR1 n66_Ant 5	40M	BPSK	108	0	Left Cheek	0mm	2	349000	1745	18.78	19.80	1.265	-0.06	0.493	0.624
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	2	349000	1745	18.79	19.80	1.262	-0.13	0.067	0.085
	FR1 n66_Ant 5	40M	BPSK	108	0	Left Tilted	0mm	2	349000	1745	18.78	19.80	1.265	0.06	0.068	0.086
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	3	349000	1745	18.79	19.10	1.074	-0.12	0.279	0.300
	FR1 n66_Ant 5	40M	BPSK	108	0	Right Cheek	0mm	3	349000	1745	18.78	19.10	1.076	0.06	0.289	0.311
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	3	349000	1745	18.79	19.10	1.074	-0.15	0.037	0.040
	FR1 n66_Ant 5	40M	BPSK	108	0	Right Tilted	0mm	3	349000	1745	18.78	19.10	1.076	0.06	0.037	0.040
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	3	349000	1745	18.79	19.10	1.074	-0.01	0.471	0.506
	FR1 n66_Ant 5	40M	BPSK	108	0	Left Cheek	0mm	3	349000	1745	18.78	19.10	1.076	-0.06	0.493	0.531
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	3	349000	1745	18.79	19.10	1.074	-0.13	0.067	0.072
	FR1 n66_Ant 5	40M	BPSK	108	0	Left Tilted	0mm	3	349000	1745	18.78	19.10	1.076	0.06	0.068	0.073

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)
25	FR1 n70_Ant 2	15M	BPSK	1	1	Right Cheek	0mm	2/3	340500	1702.5	24.64	25.50	1.219	-0.07	0.452	0.551
	FR1 n70_Ant 2	15M	BPSK	36	22	Right Cheek	0mm	2/3	340500	1702.5	24.59	25.50	1.233	-0.05	0.336	0.414
	FR1 n70_Ant 2	15M	BPSK	1	1	Right Tilted	0mm	2/3	340500	1702.5	24.64	25.50	1.219	-0.07	0.174	0.212
	FR1 n70_Ant 2	15M	BPSK	36	22	Right Tilted	0mm	2/3	340500	1702.5	24.59	25.50	1.233	-0.03	0.178	0.219
	FR1 n70_Ant 2	15M	BPSK	1	1	Left Cheek	0mm	2/3	340500	1702.5	24.64	25.50	1.219	0.05	0.147	0.179
	FR1 n70_Ant 2	15M	BPSK	36	22	Left Cheek	0mm	2/3	340500	1702.5	24.59	25.50	1.233	0.02	0.151	0.186
	FR1 n70_Ant 2	15M	BPSK	1	1	Left Tilted	0mm	2/3	340500	1702.5	24.64	25.50	1.219	-0.07	0.138	0.168
	FR1 n70_Ant 2	15M	BPSK	36	22	Left Tilted	0mm	2/3	340500	1702.5	24.59	25.50	1.233	-0.01	0.129	0.159
	FR1 n70_Ant 0	15M	BPSK	1	77	Right Cheek	0mm	2/3	340500	1702.5	24.76	25.30	1.132	0.06	0.098	0.111
	FR1 n70_Ant 0	15M	BPSK	36	22	Right Cheek	0mm	2/3	340500	1702.5	24.65	25.30	1.161	-0.03	0.082	0.095
	FR1 n70_Ant 0	15M	BPSK	1	77	Right Tilted	0mm	2/3	340500	1702.5	24.76	25.30	1.132	-0.06	0.071	0.080
	FR1 n70_Ant 0	15M	BPSK	36	22	Right Tilted	0mm	2/3	340500	1702.5	24.65	25.30	1.161	0.09	0.059	0.069
	FR1 n70_Ant 0	15M	BPSK	1	77	Left Cheek	0mm	2/3	340500	1702.5	24.76	25.30	1.132	-0.04	0.126	0.143
	FR1 n70_Ant 0	15M	BPSK	36	22	Left Cheek	0mm	2/3	340500	1702.5	24.65	25.30	1.161	0.03	0.095	0.110
	FR1 n70_Ant 0	15M	BPSK	1	77	Left Tilted	0mm	2/3	340500	1702.5	24.76	25.30	1.132	-0.12	0.077	0.087
	FR1 n70_Ant 0	15M	BPSK	36	22	Left Tilted	0mm	2/3	340500	1702.5	24.65	25.30	1.161	0.17	0.061	0.071
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	2/3	136100	680.5	24.54	25.50	1.247	0.07	0.223	0.278
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	2/3	136100	680.5	24.50	25.50	1.259	-0.05	0.205	0.258
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	2/3	136100	680.5	24.54	25.50	1.247	0.07	0.121	0.151
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	2/3	136100	680.5	24.50	25.50	1.259	0.02	0.104	0.131
	FR1 n71_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	2/3	136100	680.5	24.54	25.50	1.247	0.19	0.266	0.332
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	2/3	136100	680.5	24.50	25.50	1.259	-0.08	0.257	0.324
	FR1 n71_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	2/3	136100	680.5	24.54	25.50	1.247	-0.02	0.132	0.165
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	2/3	136100	680.5	24.50	25.50	1.259	0.11	0.111	0.140
26	FR1 n71_Ant 1	20M	BPSK	1	53	Right Cheek	0mm	2	136100	680.5	22.75	23.50	1.189	0	0.792	0.941
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	2	136100	680.5	22.63	23.50	1.222	-0.04	0.701	0.856
	FR1 n71_Ant 1	20M	BPSK	100	0	Right Cheek	0mm	2	136100	680.5	22.63	23.50	1.222	0.11	0.712	0.870
	FR1 n71_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	2	136100	680.5	22.75	23.50	1.189	0.03	0.696	0.827
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	2	136100	680.5	22.63	23.50	1.222	0.02	0.681	0.832
	FR1 n71_Ant 1	20M	BPSK	100	0	Right Tilted	0mm	2	136100	680.5	22.63	23.50	1.222	0.05	0.673	0.822
	FR1 n71_Ant 1	20M	BPSK	1	53	Left Cheek	0mm	2	136100	680.5	22.75	23.50	1.189	0.02	0.455	0.541
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	2	136100	680.5	22.63	23.50	1.222	-0.03	0.429	0.524
	FR1 n71_Ant 1	20M	BPSK	1	53	Left Tilted	0mm	2	136100	680.5	22.75	23.50	1.189	0.01	0.460	0.547
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	2	136100	680.5	22.63	23.50	1.222	-0.12	0.463	0.566
	FR1 n71_Ant 1	20M	BPSK	1	53	Right Cheek	0mm	3	136100	680.5	22.75	22.80	1.012	0	0.792	0.801
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	3	136100	680.5	22.63	22.80	1.040	-0.04	0.701	0.729
	FR1 n71_Ant 1	20M	BPSK	100	0	Right Cheek	0mm	3	136100	680.5	22.63	22.80	1.040	0.11	0.712	0.740
	FR1 n71_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	3	136100	680.5	22.75	22.80	1.012	0.03	0.696	0.704
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	3	136100	680.5	22.63	22.80	1.040	0.02	0.653	0.679
	FR1 n71_Ant 1	20M	BPSK	100	0	Right Tilted	0mm	3	136100	680.5	22.63	22.80	1.040	0.05	0.673	0.700
	FR1 n71_Ant 1	20M	BPSK	1	53	Left Cheek	0mm	3	136100	680.5	22.75	22.80	1.012	0.02	0.455	0.460
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	3	136100	680.5	22.63	22.80	1.040	-0.03	0.429	0.446
	FR1 n71_Ant 1	20M	BPSK	1	53	Left Tilted	0mm	3	136100	680.5	22.75	22.80	1.012	0.01	0.460	0.465
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	3	136100	680.5	22.63	22.80	1.040	-0.12	0.463	0.481

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)
27	FR1 n38_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	2/3	519000	2595	23.56	25.00	1.393	-0.08	0.245	0.341
	FR1 n38_Ant 0	20M	BPSK	25	13	Right Cheek	0mm	2/3	519000	2595	23.42	25.00	1.439	0.06	0.174	0.250
	FR1 n38_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	2/3	519000	2595	23.56	25.00	1.393	-0.1	0.061	0.085
	FR1 n38_Ant 0	20M	BPSK	25	13	Right Tilted	0mm	2/3	519000	2595	23.42	25.00	1.439	0.02	0.055	0.079
	FR1 n38_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	2/3	519000	2595	23.56	25.00	1.393	-0.07	0.146	0.203
	FR1 n38_Ant 0	20M	BPSK	25	13	Left Cheek	0mm	2/3	519000	2595	23.42	25.00	1.439	0.01	0.137	0.197
	FR1 n38_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	2/3	519000	2595	23.56	25.00	1.393	0.03	0.117	0.163
	FR1 n38_Ant 0	20M	BPSK	25	13	Left Tilted	0mm	2/3	519000	2595	23.42	25.00	1.439	-0.05	0.102	0.147
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	21.10	22.40	1.349	-0.01	0.443	0.598
	FR1 n41_Ant 2	100M	BPSK	135	0	Right Cheek	0mm	2	518598	2592.99	20.96	22.40	1.393	-0.1	0.583	0.812
	FR1 n41_Ant 2	100M	BPSK	270	0	Right Cheek	0mm	2	518598	2592.99	20.90	22.40	1.413	-0.02	0.537	0.759
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Tilted	0mm	2	518598	2592.99	21.10	22.40	1.349	0.03	0.170	0.229
	FR1 n41_Ant 2	100M	BPSK	135	0	Right Tilted	0mm	2	518598	2592.99	20.96	22.40	1.393	0.06	0.168	0.234
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	21.10	22.40	1.349	0.05	0.228	0.308
	FR1 n41_Ant 2	100M	BPSK	135	0	Left Cheek	0mm	2	518598	2592.99	20.96	22.40	1.393	0.08	0.221	0.308
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Tilted	0mm	2	518598	2592.99	21.10	22.40	1.349	0.01	0.228	0.308
	FR1 n41_Ant 2	100M	BPSK	135	0	Left Tilted	0mm	2	518598	2592.99	20.96	22.40	1.393	0.08	0.230	0.320
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	24.25	25.40	1.303	-0.06	0.611	0.796
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	21.10	21.70	1.148	-0.01	0.443	0.509
	FR1 n41_Ant 2	100M	BPSK	135	0	Right Cheek	0mm	3	518598	2592.99	20.96	21.70	1.186	-0.1	0.583	0.691
	FR1 n41_Ant 2	100M	BPSK	270	0	Right Cheek	0mm	3	518598	2592.99	20.90	21.70	1.202	-0.02	0.537	0.646
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Tilted	0mm	3	518598	2592.99	21.10	21.70	1.148	0.03	0.170	0.195
	FR1 n41_Ant 2	100M	BPSK	135	0	Right Tilted	0mm	3	518598	2592.99	20.96	21.70	1.186	0.06	0.168	0.199
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	21.10	21.70	1.148	0.05	0.228	0.262
	FR1 n41_Ant 2	100M	BPSK	135	0	Left Cheek	0mm	3	518598	2592.99	20.96	21.70	1.186	0.08	0.221	0.262
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Tilted	0mm	3	518598	2592.99	21.10	21.70	1.148	0.01	0.228	0.262
	FR1 n41_Ant 2	100M	BPSK	135	0	Left Tilted	0mm	3	518598	2592.99	20.96	21.70	1.186	0.08	0.230	0.273
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	24.25	24.70	1.109	-0.06	0.611	0.678
	FR1 n41_Ant 0	100M	BPSK	1	1	Right Cheek	0mm	2/3	518598	2592.99	22.17	23.70	1.422	-0.05	0.220	0.313
	FR1 n41_Ant 0	100M	BPSK	135	69	Right Cheek	0mm	2/3	518598	2592.99	22.11	23.70	1.442	-0.05	0.142	0.205
	FR1 n41_Ant 0	100M	BPSK	1	1	Right Tilted	0mm	2/3	518598	2592.99	22.17	23.70	1.422	-0.02	0.068	0.097
	FR1 n41_Ant 0	100M	BPSK	135	69	Right Tilted	0mm	2/3	518598	2592.99	22.11	23.70	1.442	-0.01	0.060	0.087
	FR1 n41_Ant 0	100M	BPSK	1	1	Left Cheek	0mm	2/3	518598	2592.99	22.17	23.70	1.422	0.19	0.135	0.192
	FR1 n41_Ant 0	100M	BPSK	135	69	Left Cheek	0mm	2/3	518598	2592.99	22.11	23.70	1.442	0.08	0.106	0.153
	FR1 n41_Ant 0	100M	BPSK	1	1	Left Tilted	0mm	2/3	518598	2592.99	22.17	23.70	1.422	0.13	0.085	0.121
	FR1 n41_Ant 0	100M	BPSK	135	69	Left Tilted	0mm	2/3	518598	2592.99	22.11	23.70	1.442	-0.12	0.071	0.102
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	271	Right Cheek	0mm	2/3	518598	2592.99	25.24	26.50	1.337	0.03	0.213	0.285

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 n41_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	13.34	14.40	1.276	-0.01	0.529	0.675
	FR1 n41_Ant 1	100M	BPSK	135	0	Right Cheek	0mm	2	518598	2592.99	13.25	14.40	1.303	-0.09	0.511	0.666
	FR1 n41_Ant 1	100M	BPSK	270	0	Right Cheek	0mm	2	518598	2592.99	13.20	14.40	1.318	-0.13	0.503	0.663
28	FR1 n41_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	518598	2592.99	13.34	14.40	1.276	0.18	0.662	0.845
	FR1 n41_Ant 1	100M	BPSK	135	0	Right Tilted	0mm	2	518598	2592.99	13.25	14.40	1.303	-0.14	0.544	0.709
	FR1 n41_Ant 1	100M	BPSK	270	0	Right Tilted	0mm	2	518598	2592.99	13.20	14.40	1.318	-0.02	0.617	0.813
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	13.34	14.40	1.276	0.09	0.244	0.311
	FR1 n41_Ant 1	100M	BPSK	135	0	Left Cheek	0mm	2	518598	2592.99	13.25	14.40	1.303	-0.04	0.206	0.268
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	2	518598	2592.99	13.34	14.40	1.276	-0.17	0.286	0.365
	FR1 n41_Ant 1	100M	BPSK	135	0	Left Tilted	0mm	2	518598	2592.99	13.25	14.40	1.303	-0.11	0.249	0.324
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	518598	2592.99	16.47	17.40	1.239	0.08	0.658	0.815
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	13.34	13.70	1.086	-0.01	0.529	0.575
	FR1 n41_Ant 1	100M	BPSK	135	0	Right Cheek	0mm	3	518598	2592.99	13.25	13.70	1.109	-0.09	0.511	0.567
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	518598	2592.99	13.34	13.70	1.086	0.18	0.662	0.719
	FR1 n41_Ant 1	100M	BPSK	135	0	Right Tilted	0mm	3	518598	2592.99	13.25	13.70	1.109	-0.14	0.613	0.680
	FR1 n41_Ant 1	100M	BPSK	270	0	Right Tilted	0mm	3	518598	2592.99	13.20	13.70	1.122	-0.02	0.594	0.666
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	13.34	13.70	1.086	0.09	0.244	0.265
	FR1 n41_Ant 1	100M	BPSK	135	0	Left Cheek	0mm	3	518598	2592.99	13.25	13.70	1.109	-0.04	0.206	0.228
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	3	518598	2592.99	13.34	13.70	1.086	-0.17	0.286	0.311
	FR1 n41_Ant 1	100M	BPSK	135	0	Left Tilted	0mm	3	518598	2592.99	13.25	13.70	1.109	-0.11	0.249	0.276
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	518598	2592.99	16.47	16.70	1.054	0.08	0.658	0.694

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 n41_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	16.49	17.40	1.233	-0.14	0.282	0.348
	FR1 n41_Ant 5	100M	BPSK	135	0	Right Cheek	0mm	2	518598	2592.99	16.45	17.40	1.245	-0.06	0.272	0.339
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	2	518598	2592.99	16.49	17.40	1.233	0.15	0.068	0.084
	FR1 n41_Ant 5	100M	BPSK	135	0	Right Tilted	0mm	2	518598	2592.99	16.45	17.40	1.245	0.17	0.055	0.068
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	16.49	17.40	1.233	-0.1	0.496	0.612
	FR1 n41_Ant 5	100M	BPSK	135	0	Left Cheek	0mm	2	518598	2592.99	16.45	17.40	1.245	-0.09	0.486	0.605
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	2	518598	2592.99	16.49	17.40	1.233	-0.07	0.137	0.169
	FR1 n41_Ant 5	100M	BPSK	135	0	Left Tilted	0mm	2	518598	2592.99	16.45	17.40	1.245	-0.03	0.128	0.159
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	19.49	20.50	1.262	-0.06	0.446	0.563
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	16.49	16.70	1.050	-0.14	0.282	0.296
	FR1 n41_Ant 5	100M	BPSK	135	0	Right Cheek	0mm	3	518598	2592.99	16.45	16.70	1.059	-0.06	0.272	0.288
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	3	518598	2592.99	16.49	16.70	1.050	0.15	0.068	0.071
	FR1 n41_Ant 5	100M	BPSK	135	0	Right Tilted	0mm	3	518598	2592.99	16.45	16.70	1.059	0.17	0.055	0.058
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	16.49	16.70	1.050	-0.1	0.496	0.521
	FR1 n41_Ant 5	100M	BPSK	135	0	Left Cheek	0mm	3	518598	2592.99	16.45	16.70	1.059	-0.09	0.486	0.515
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	3	518598	2592.99	16.49	16.70	1.050	-0.07	0.137	0.144
	FR1 n41_Ant 5	100M	BPSK	135	0	Left Tilted	0mm	3	518598	2592.99	16.45	16.70	1.059	-0.03	0.128	0.136
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	19.49	19.80	1.074	-0.06	0.446	0.479
	FR1 n48_Ant 6	40M	BPSK	1	0	Right Cheek	0mm	2/3	641666	3624.99	21.44	22.50	1.276	-0.11	0.187	0.239
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Cheek	0mm	2/3	641666	3624.99	21.56	22.50	1.242	0.08	0.179	0.222
	FR1 n48_Ant 6	40M	BPSK	1	0	Right Tilted	0mm	2/3	641666	3624.99	21.44	22.50	1.276	-0.09	0.178	0.227
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Tilted	0mm	2/3	641666	3624.99	21.56	22.50	1.242	0.03	0.165	0.205
	FR1 n48_Ant 6	40M	BPSK	1	0	Left Cheek	0mm	2/3	641666	3624.99	21.44	22.50	1.276	0.1	0.391	0.499
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Cheek	0mm	2/3	641666	3624.99	21.56	22.50	1.242	0.02	0.299	0.371
	FR1 n48_Ant 6	40M	BPSK	1	0	Left Tilted	0mm	2/3	641666	3624.99	21.44	22.50	1.276	0.02	0.151	0.193
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Tilted	0mm	2/3	641666	3624.99	21.56	22.50	1.242	0.11	0.104	0.129
	FR1 n48_Ant 7	40M	BPSK	1	0	Right Cheek	0mm	2/3	641666	3624.99	22.33	24.00	1.469	0.09	0.089	0.131
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Cheek	0mm	2/3	641666	3624.99	22.52	24.00	1.406	0.06	0.082	0.115
	FR1 n48_Ant 7	40M	BPSK	1	0	Right Tilted	0mm	2/3	641666.	3624.99	22.33	24.00	1.469	0.14	0.028	0.041
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Tilted	0mm	2/3	641666	3624.99	22.52	24.00	1.406	0.02	0.015	0.021
	FR1 n48_Ant 7	40M	BPSK	1	0	Left Cheek	0mm	2/3	641666	3624.99	22.33	24.00	1.469	-0.13	0.049	0.072
	FR1 n48_Ant 7	40M	BPSK	50	25	Left Cheek	0mm	2/3	641666	3624.99	22.52	24.00	1.406	0.15	0.035	0.049
	FR1 n48_Ant 7	40M	BPSK	1	0	Left Tilted	0mm	2/3	641666	3624.99	22.33	24.00	1.469	0.09	0.026	0.038
	FR1 n48_Ant 7	40M	BPSK	50	25	Left Tilted	0mm	2/3	641666	3624.99	22.52	24.00	1.406	0.08	0.023	0.032

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 1	40M	BPSK	1	0	Right Cheek	0mm	2	641666	3624.99	20.48	21.70	1.324	0.08	0.683	0.905
	FR1 n48_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	2	638000	3570	12.61	13.00	1.094	0.03	0.105	0.115
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Cheek	0mm	2	645332	3679.98	12.67	13.00	1.079	-0.06	0.108	0.117
	FR1 n48_Ant 1	20M	BPSK	1	49	Right Cheek	0mm	2	637334	3560.01	20.17	21.70	1.422	0.07	0.640	0.910
	FR1 n48_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	2	646000	3690	20.27	21.70	1.390	-0.05	0.687	0.955
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	2	641666	3624.99	20.33	21.70	1.371	-0.15	0.642	0.880
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	2	638000	3570	12.61	13.00	1.094	-0.06	0.103	0.113
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	2	645332	3679.98	12.75	13.00	1.059	0.02	0.106	0.112
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Cheek	0mm	2	637334	3560.01	20.19	21.70	1.416	0.08	0.640	0.906
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Cheek	0mm	2	646000	3690	20.22	21.70	1.406	0.04	0.635	0.893
	FR1 n48_Ant 1	40M	BPSK	100	0	Right Cheek	0mm	2	641666	3624.99	20.31	21.70	1.377	0.03	0.653	0.899
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Tilted	0mm	2	641666	3624.99	20.48	21.70	1.324	0.03	0.632	0.837
	FR1 n48_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	2	638000	3570	12.61	13.00	1.094	-0.08	0.089	0.097
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Tilted	0mm	2	645332	3679.98	12.67	13.00	1.079	0.07	0.092	0.099
	FR1 n48_Ant 1	20M	BPSK	1	49	Right Tilted	0mm	2	637334	3560.01	20.17	21.70	1.422	0.08	0.545	0.775
29	FR1 n48_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	2	646000	3690	20.27	21.70	1.390	-0.03	0.709	0.985
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	2	641666	3624.99	20.33	21.70	1.371	-0.04	0.620	0.850
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	2	638000	3570	12.61	13.00	1.094	0.06	0.087	0.095
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	2	645332	3679.98	12.75	13.00	1.059	0.04	0.091	0.096
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Tilted	0mm	2	637334	3560.01	20.19	21.70	1.416	0.02	0.528	0.748
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Tilted	0mm	2	646000	3690	20.22	21.70	1.406	0.01	0.670	0.942
	FR1 n48_Ant 1	40M	BPSK	100	0	Right Tilted	0mm	2	641666	3624.99	20.31	21.70	1.377	0.03	0.617	0.850
	FR1 n48_Ant 1	40M	BPSK	1	0	Left Cheek	0mm	2	641666	3624.99	20.48	21.70	1.324	0.02	0.390	0.516
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Cheek	0mm	2	641666	3624.99	20.33	21.70	1.371	0.08	0.321	0.440
	FR1 n48_Ant 1	40M	BPSK	1	0	Left Tilted	0mm	2	641666	3624.99	20.48	21.70	1.324	-0.01	0.425	0.563
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Tilted	0mm	2	641666	3624.99	20.33	21.70	1.371	0.06	0.401	0.550
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Cheek	0mm	3	641666	3624.99	20.48	21.00	1.127	0.08	0.683	0.770
	FR1 n48_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	3	638000	3570	12.61	13.00	1.094	0.03	0.105	0.115
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Cheek	0mm	3	645332	3679.98	12.67	13.00	1.079	-0.06	0.108	0.117
	FR1 n48_Ant 1	20M	BPSK	1	49	Right Cheek	0mm	3	637334	3560.01	20.17	21.00	1.211	0.07	0.640	0.775
	FR1 n48_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	3	646000	3690	20.27	21.00	1.183	-0.05	0.687	0.813
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	3	641666	3624.99	20.33	21.00	1.167	-0.15	0.642	0.749
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	3	638000	3570	12.61	13.00	1.094	-0.06	0.103	0.113
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	3	645332	3679.98	12.75	13.00	1.059	0.02	0.106	0.112
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Cheek	0mm	3	637334	3560.01	20.19	21.00	1.205	0.08	0.640	0.771
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Cheek	0mm	3	646000	3690	20.22	21.00	1.197	0.04	0.635	0.760
	FR1 n48_Ant 1	40M	BPSK	100	0	Right Cheek	0mm	3	641666	3624.99	20.31	21.00	1.172	0.03	0.653	0.765
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Tilted	0mm	3	641666	3624.99	20.48	21.00	1.127	0.03	0.632	0.712
	FR1 n48_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	3	638000	3570	12.61	13.00	1.094	-0.08	0.089	0.097
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Tilted	0mm	3	645332	3679.98	12.67	13.00	1.079	0.07	0.092	0.099
	FR1 n48_Ant 1	20M	BPSK	1	49	Right Tilted	0mm	3	637334	3560.01	20.17	21.00	1.211	0.08	0.545	0.660
	FR1 n48_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	3	646000	3690	20.27	21.00	1.183	-0.03	0.709	0.839
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	3	641666	3624.99	20.33	21.00	1.167	-0.04	0.620	0.723
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	3	638000	3570	12.61	13.00	1.094	0.06	0.087	0.095
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	3	645332	3679.98	12.75	13.00	1.059	0.04	0.091	0.096
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Tilted	0mm	3	637334	3560.01	20.19	21.00	1.205	0.02	0.528	0.636
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Tilted	0mm	3	646000	3690	20.22	21.00	1.197	0.01	0.670	0.802
	FR1 n48_Ant 1	40M	BPSK	100	0	Right Tilted	0mm	3	641666	3624.99	20.31	21.00	1.172	0.03	0.617	0.723
	FR1 n48_Ant 1	40M	BPSK	1	0	Left Cheek	0mm	3	641666	3624.99	20.48	21.00	1.127	0.02	0.390	0.440
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Cheek	0mm	3	641666	3624.99	20.33	21.00	1.167	0.08	0.321	0.375
	FR1 n48_Ant 1	40M	BPSK	1	0	Left Tilted	0mm	3	641666	3624.99	20.48	21.00	1.127	-0.01	0.425	0.479
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Tilted	0mm	3	641666	3624.99	20.33	21.00	1.167	0.06	0.401	0.468

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 5	40M	BPSK	1	0	Right Cheek	0mm	2	641666	3624.99	14.95	15.90	1.245	-0.02	0.204	0.254
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Cheek	0mm	2	641666	3624.99	14.74	15.90	1.306	0.06	0.190	0.248
	FR1 n48_Ant 5	40M	BPSK	1	0	Right Tilted	0mm	2	641666	3624.99	14.95	15.90	1.245	0.11	0.047	0.058
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Tilted	0mm	2	641666	3624.99	14.74	15.90	1.306	0.03	0.044	0.057
	FR1 n48_Ant 5	40M	BPSK	1	0	Left Cheek	0mm	2	641666	3624.99	14.95	15.90	1.245	0.08	0.378	0.470
	FR1 n48_Ant 5	40M	BPSK	1	0	Left Cheek	0mm	2	638000	3570	13.46	13.50	1.009	0.02	0.169	0.171
	FR1 n48_Ant 5	40M	BPSK	1	104	Left Cheek	0mm	2	645332	3679.98	12.98	13.50	1.127	-0.06	0.149	0.168
	FR1 n48_Ant 5	20M	BPSK	1	50	Left Cheek	0mm	2	637334	3560.01	14.74	15.90	1.306	-0.01	0.313	0.409
	FR1 n48_Ant 5	20M	BPSK	1	0	Left Cheek	0mm	2	646000	3624.99	14.48	15.90	1.387	-0.06	0.442	0.613
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	2	641666	3624.99	14.74	15.90	1.306	0.05	0.349	0.456
	FR1 n48_Ant 5	40M	BPSK	1	0	Left Tilted	0mm	2	641666	3624.99	14.95	15.90	1.245	0.08	0.105	0.131
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Tilted	0mm	2	641666	3624.99	14.74	15.90	1.306	-0.07	0.093	0.121
	FR1 n48_Ant 5	40M	BPSK	1	0	Right Cheek	0mm	3	641666	3624.99	14.95	15.20	1.059	-0.02	0.204	0.216
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Cheek	0mm	3	641666	3624.99	14.74	15.20	1.112	0.06	0.190	0.211
	FR1 n48_Ant 5	40M	BPSK	1	0	Right Tilted	0mm	3	641666	3624.99	14.95	15.20	1.059	0.11	0.047	0.050
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Tilted	0mm	3	641666	3624.99	14.74	15.20	1.112	0.03	0.044	0.049
	FR1 n48_Ant 5	40M	BPSK	1	0	Left Cheek	0mm	3	641666	3624.99	14.95	15.20	1.059	0.08	0.378	0.400
	FR1 n48_Ant 5	40M	BPSK	1	0	Left Cheek	0mm	3	638000	3570	13.46	13.50	1.009	0.02	0.169	0.171
	FR1 n48_Ant 5	40M	BPSK	1	104	Left Cheek	0mm	3	645332	3679.98	12.98	13.50	1.127	-0.06	0.149	0.168
	FR1 n48_Ant 5	20M	BPSK	1	50	Left Cheek	0mm	3	637334	3560.01	14.74	15.20	1.112	-0.01	0.313	0.348
	FR1 n48_Ant 5	20M	BPSK	1	0	Left Cheek	0mm	3	646000	3690	14.48	15.20	1.180	-0.06	0.442	0.522
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	3	641666	3624.99	14.74	15.20	1.112	0.05	0.349	0.388
	FR1 n48_Ant 5	40M	BPSK	1	0	Left Tilted	0mm	3	641666	3624.99	14.95	15.20	1.059	0.08	0.105	0.111
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Tilted	0mm	3	641666	3624.99	14.74	15.20	1.112	-0.07	0.093	0.103

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	2	656000	3840	21.45	22.20	1.189	-0.16	0.206	0.245
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	21.21	22.20	1.256	-0.12	0.201	0.252
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	21.45	22.20	1.189	0.07	0.262	0.311
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	21.21	22.20	1.256	0.05	0.245	0.308
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	21.45	22.20	1.189	-0.03	0.494	0.587
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	21.21	22.20	1.256	-0.01	0.302	0.379
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	21.45	22.20	1.189	-0.03	0.162	0.193
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	21.21	22.20	1.256	-0.04	0.154	0.193
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	24.35	25.40	1.274	-0.02	0.413	0.526
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	21.45	21.50	1.012	-0.16	0.206	0.208
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	21.21	21.50	1.069	-0.12	0.201	0.215
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	21.45	21.50	1.012	0.07	0.262	0.265
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	21.21	21.50	1.069	0.05	0.245	0.262
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	21.45	21.50	1.012	-0.03	0.494	0.500
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	21.21	21.50	1.069	-0.01	0.302	0.323
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	21.45	21.50	1.012	-0.03	0.162	0.164
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	21.21	21.50	1.069	-0.04	0.154	0.165
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	24.35	24.70	1.084	-0.02	0.413	0.448
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	21.23	22.20	1.250	0.1	0.237	0.296
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	2	633332	3499.98	21.12	22.20	1.282	0.11	0.225	0.289
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	21.23	22.20	1.250	-0.11	0.241	0.301
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	2	633332	3499.98	21.12	22.20	1.282	-0.02	0.228	0.292
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	21.23	22.20	1.250	-0.18	0.517	0.646
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	2	633332	3499.98	21.12	22.20	1.282	-0.13	0.480	0.616
	FR1 n77_Ant 6	100M	BPSK	270	0	Left Cheek	0mm	2	633332	3499.98	21.07	22.20	1.297	0.06	0.397	0.515
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	21.23	22.20	1.250	-0.11	0.093	0.116
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	2	633332	3499.98	21.12	22.20	1.282	-0.16	0.084	0.108
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	24.20	25.40	1.318	0.13	0.553	0.729
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	21.23	21.50	1.064	0.1	0.237	0.252
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	3	633332	3499.98	21.12	21.50	1.091	0.11	0.225	0.246
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	21.23	21.50	1.064	-0.11	0.241	0.256
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	3	633332	3499.98	21.12	21.50	1.091	-0.02	0.228	0.249
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	21.23	21.50	1.064	-0.18	0.517	0.550
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	3	633332	3499.98	21.12	21.50	1.091	-0.13	0.480	0.524
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	21.23	21.50	1.064	-0.11	0.093	0.099
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	3	633332	3499.98	21.12	21.50	1.091	-0.16	0.084	0.092
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	24.20	24.70	1.122	0.13	0.553	0.620

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 7	100M	BPSK	1	1	Right Cheek	0mm	2/3	656000	3840	22.56	24.00	1.393	0.05	0.359	0.500
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	2/3	656000	3840	22.40	24.00	1.445	0.07	0.309	0.447
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	2/3	656000	3840	22.56	24.00	1.393	-0.09	0.055	0.077
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	2/3	656000	3840	22.40	24.00	1.445	-0.18	0.044	0.064
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	2/3	656000	3840	22.56	24.00	1.393	0.05	0.095	0.132
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	2/3	656000	3840	22.40	24.00	1.445	0.03	0.082	0.119
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	2/3	656000	3840	22.56	24.00	1.393	0.04	0.012	0.017
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	2/3	656000	3840	22.40	24.00	1.445	0	0.010	0.014
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2/3	656000	3840	25.29	27.00	1.483	0.07	0.336	0.498
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2/3	633332	3499.98	22.81	24.00	1.315	-0.04	0.289	0.380
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	2/3	633332	3499.98	22.51	24.00	1.409	0.06	0.230	0.324
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	2/3	633332	3499.98	22.81	24.00	1.315	0.04	0.061	0.080
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	2/3	633332	3499.98	22.51	24.00	1.409	0.19	0.052	0.073
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	2/3	633332	3499.98	22.81	24.00	1.315	0.14	0.094	0.124
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	2/3	633332	3499.98	22.51	24.00	1.409	0.03	0.085	0.120
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	2/3	633332	3499.98	22.81	24.00	1.315	-0.02	0.026	0.034
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	2/3	633332	3499.98	22.51	24.00	1.409	0.19	0.024	0.034
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2/3	633332	3499.98	25.73	27.00	1.340	-0.06	0.278	0.372
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	20.45	21.80	1.365	-0.09	0.588	0.802
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	20.31	21.80	1.409	0.05	0.537	0.757
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	20.45	21.80	1.365	-0.01	0.548	0.748
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	20.45	21.80	1.365	-0.13	0.431	0.588
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	20.31	21.80	1.409	0.17	0.364	0.513
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	20.45	21.80	1.365	0.08	0.179	0.244
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	20.31	21.80	1.409	0.18	0.165	0.233
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	20.45	21.80	1.365	-0.05	0.195	0.266
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	20.31	21.80	1.409	0	0.157	0.221
30	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	23.40	25.00	1.445	-0.03	0.637	0.921
	FR1 n77_HPUE_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	23.29	25.00	1.483	0.1	0.596	0.884
	FR1 n77_HPUE_Ant 1	100M	BPSK	270	0	Right Cheek	0mm	2	656000	3840	23.08	25.00	1.556	0.14	0.565	0.879
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	20.45	21.10	1.161	-0.09	0.574	0.667
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	20.31	21.10	1.199	0.05	0.537	0.644
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	20.45	21.10	1.161	-0.13	0.431	0.501
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	20.31	21.10	1.199	0.17	0.364	0.437
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	20.45	21.10	1.161	0.08	0.179	0.208
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	20.31	21.10	1.199	0.18	0.165	0.198
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	20.45	21.10	1.161	-0.05	0.195	0.226
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	20.31	21.10	1.199	0	0.157	0.188
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	23.40	24.30	1.230	-0.03	0.637	0.784
	FR1 n77_HPUE_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	23.29	24.30	1.262	0.1	0.596	0.752

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	2	633332	3499.98	21.08	21.80	1.180	0.01	0.640	0.755
	FR1 n77_Ant 1	100M	BPSK	135	0	Right Cheek	0mm	2	633332	3499.98	21.06	21.80	1.186	0.17	0.615	0.729
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	21.08	21.80	1.180	-0.04	0.536	0.633
	FR1 n77_Ant 1	100M	BPSK	135	0	Right Tilted	0mm	2	633332	3499.98	21.06	21.80	1.186	-0.06	0.519	0.615
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	21.08	21.80	1.180	0.17	0.409	0.483
	FR1 n77_Ant 1	100M	BPSK	135	0	Left Cheek	0mm	2	633332	3499.98	21.06	21.80	1.186	0.16	0.383	0.454
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	21.08	21.80	1.180	0.17	0.443	0.523
	FR1 n77_Ant 1	100M	BPSK	135	0	Left Tilted	0mm	2	633332	3499.98	21.06	21.80	1.186	-0.09	0.412	0.489
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	24.03	25.00	1.250	-0.03	0.654	0.818
	FR1 n77_HPUE_Ant 1	100M	BPSK	135	0	Right Cheek	0mm	2	633332	3499.98	24.11	25.00	1.227	0.17	0.611	0.750
	FR1 n77_HPUE_Ant 1	100M	BPSK	270	0	Right Cheek	0mm	2	633332	3499.98	23.97	25.00	1.268	-0.04	0.580	0.735
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	21.08	21.10	1.005	0.01	0.640	0.643
	FR1 n77_Ant 1	100M	BPSK	135	0	Right Cheek	0mm	3	633332	3499.98	21.06	21.10	1.009	0.17	0.615	0.621
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	21.08	21.10	1.005	-0.04	0.536	0.538
	FR1 n77_Ant 1	100M	BPSK	135	0	Right Tilted	0mm	3	633332	3499.98	21.06	21.10	1.009	-0.06	0.519	0.524
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	21.08	21.10	1.005	0.17	0.409	0.411
	FR1 n77_Ant 1	100M	BPSK	135	0	Left Cheek	0mm	3	633332	3499.98	21.06	21.10	1.009	0.16	0.383	0.387
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	21.08	21.10	1.005	0.17	0.443	0.445
	FR1 n77_Ant 1	100M	BPSK	135	0	Left Tilted	0mm	3	633332	3499.98	21.06	21.10	1.009	-0.09	0.412	0.416
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	24.03	24.30	1.064	-0.03	0.654	0.696
	FR1 n77_HPUE_Ant 1	100M	BPSK	135	0	Right Cheek	0mm	3	633332	3499.98	24.11	24.30	1.045	0.17	0.611	0.638
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	14.29	15.10	1.205	-0.07	0.263	0.317
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	14.24	15.10	1.219	-0.05	0.255	0.311
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	14.29	15.10	1.205	-0.01	0.041	0.049
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	14.24	15.10	1.219	-0.03	0.037	0.045
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	14.29	15.10	1.205	0.07	0.513	0.618
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	14.24	15.10	1.219	0.06	0.486	0.592
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	14.29	15.10	1.205	-0.09	0.091	0.110
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	14.24	15.10	1.219	-0.04	0.084	0.102
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	17.26	18.10	1.213	-0.05	0.500	0.607
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	14.29	14.40	1.026	-0.07	0.263	0.270
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	14.24	14.40	1.038	-0.05	0.255	0.265
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	14.29	14.40	1.026	-0.01	0.041	0.042
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	14.24	14.40	1.038	-0.03	0.037	0.038
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	14.29	14.40	1.026	0.07	0.513	0.526
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	14.24	14.40	1.038	0.06	0.486	0.504
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	14.29	14.40	1.026	-0.09	0.091	0.093
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	14.24	14.40	1.038	-0.04	0.084	0.087
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	17.26	17.40	1.033	-0.05	0.500	0.516

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	2	633332	3499.98	14.29	15.10	1.205	0.05	0.170	0.205
	FR1 n77_Ant 5	100M	BPSK	135	0	Right Cheek	0mm	2	633332	3499.98	14.23	15.10	1.222	0.04	0.159	0.194
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	14.29	15.10	1.205	-0.03	0.069	0.083
	FR1 n77_Ant 5	100M	BPSK	135	0	Right Tilted	0mm	2	633332	3499.98	14.23	15.10	1.222	0.02	0.063	0.077
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	14.29	15.10	1.205	0.01	0.307	0.370
	FR1 n77_Ant 5	100M	BPSK	135	0	Left Cheek	0mm	2	633332	3499.98	14.23	15.10	1.222	-0.1	0.300	0.367
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	14.29	15.10	1.205	0.06	0.176	0.212
	FR1 n77_Ant 5	100M	BPSK	135	0	Left Tilted	0mm	2	633332	3499.98	14.23	15.10	1.222	0.05	0.172	0.210
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	17.29	18.10	1.205	-0.03	0.327	0.394
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	14.29	14.40	1.026	0.05	0.170	0.174
	FR1 n77_Ant 5	100M	BPSK	135	0	Right Cheek	0mm	3	633332	3499.98	14.23	14.40	1.040	0.04	0.159	0.165
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	14.29	14.40	1.026	-0.03	0.069	0.071
	FR1 n77_Ant 5	100M	BPSK	135	0	Right Tilted	0mm	3	633332	3499.98	14.23	14.40	1.040	0.02	0.063	0.066
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	14.29	14.40	1.026	0.01	0.307	0.315
	FR1 n77_Ant 5	100M	BPSK	135	0	Left Cheek	0mm	3	633332	3499.98	14.23	14.40	1.040	-0.1	0.300	0.312
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	14.29	14.40	1.026	0.06	0.176	0.181
	FR1 n77_Ant 5	100M	BPSK	135	0	Left Tilted	0mm	3	633332	3499.98	14.23	14.40	1.040	0.05	0.172	0.179
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	17.29	17.40	1.026	-0.03	0.327	0.335

<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 3	1	6	2437	13.45	15.00	1.429	98.85	1.012	-0.14	0.137	0.198
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	1	2412	13.25	15.00	1.496	98.85	1.012	-0.09	0.116	0.176
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	11	2462	13.35	15.00	1.462	98.85	1.012	-0.13	0.178	0.263
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	12	2467	13.35	15.00	1.462	98.85	1.012	-0.12	0.164	0.243
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	13	2472	13.35	15.00	1.462	98.85	1.012	-0.06	0.157	0.232
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	1	6	2437	13.45	15.00	1.429	98.85	1.012	-0.13	0.021	0.030
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	1	6	2437	13.45	15.00	1.429	98.85	1.012	-0.03	0.098	0.142
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	1	6	2437	13.45	15.00	1.429	98.85	1.012	0	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	1	6	2437	13.35	15.00	1.462	98.97	1.010	-0.17	0.289	0.427
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	1	6	2437	13.35	15.00	1.462	98.97	1.010	-0.14	0.344	0.508
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	6	2437	13.35	15.00	1.462	98.97	1.010	-0.06	0.607	0.896
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	1	2412	13.25	15.00	1.496	98.97	1.010	-0.17	0.538	0.813
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	11	2462	13.15	15.00	1.531	98.97	1.010	-0.03	0.563	0.871
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	12	2467	13.25	15.00	1.496	98.97	1.010	-0.05	0.532	0.804
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	13	2472	13.25	15.00	1.496	98.97	1.010	-0.04	0.493	0.745
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	6	2437	13.35	15.00	1.462	98.97	1.010	-0.04	0.685	1.012
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	1	2412	13.25	15.00	1.496	98.97	1.010	-0.11	0.625	0.944
31	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	11	2462	13.15	15.00	1.531	98.97	1.010	-0.18	0.681	1.053
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	12	2467	13.25	15.00	1.496	98.97	1.010	-0.11	0.622	0.940
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	13	2472	13.25	15.00	1.496	98.97	1.010	-0.17	0.568	0.858
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 3+4(3)	1	6	2437	13.45	15.00	1.429	93.46	1.070	-0.09	0.116	0.177
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 3+4(4)	1	6	2437	13.45	15.00	1.429	93.46	1.070	-0.09	0.221	0.338
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 3+4(3)	1	6	2437	13.45	15.00	1.429	93.46	1.070	-0.17	0.001	0.002
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 3+4(4)	1	6	2437	13.45	15.00	1.429	93.46	1.070	-0.17	0.307	0.469
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 3+4(3)	1	6	2437	13.45	15.00	1.429	93.46	1.070	-0.06	0.108	0.165
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 3+4(4)	1	6	2437	13.45	15.00	1.429	93.46	1.070	-0.06	0.506	0.774
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	1	6	2437	13.45	15.00	1.429	93.46	1.070	-0.08	0.001	0.002
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	1	6	2437	13.45	15.00	1.429	93.46	1.070	-0.08	0.682	1.043
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	1	1	2412	13.35	15.00	1.462	93.46	1.070	-0.13	0.001	0.002
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	1	1	2412	13.25	15.00	1.496	93.46	1.070	-0.13	0.580	0.929
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	1	11	2462	13.25	15.00	1.496	93.46	1.070	-0.07	0.001	0.002
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	1	11	2462	13.45	15.00	1.429	93.46	1.070	-0.07	0.668	1.021
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	1	12	2467	13.35	15.00	1.462	93.46	1.070	-0.07	0.001	0.002
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	1	12	2467	13.35	15.00	1.462	93.46	1.070	-0.07	0.630	0.986

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 3	2	6	2437	13.45	14.00	1.135	98.85	1.012	-0.14	0.137	0.157
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	2	1	2412	13.25	14.00	1.189	98.85	1.012	-0.09	0.116	0.140
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	2	11	2462	13.35	14.00	1.161	98.85	1.012	-0.13	0.178	0.209
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	2	12	2467	13.35	14.00	1.161	98.85	1.012	-0.12	0.164	0.193
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	2	13	2472	13.35	14.00	1.161	98.85	1.012	-0.06	0.157	0.185
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	2	6	2437	13.45	14.00	1.135	98.85	1.012	-0.13	0.021	0.024
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	2	6	2437	13.45	14.00	1.135	98.85	1.012	-0.03	0.098	0.113
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	2	6	2437	13.45	14.00	1.135	98.85	1.012	0	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	2	6	2437	13.35	14.00	1.161	98.97	1.010	-0.17	0.289	0.339
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	2	6	2437	13.35	14.00	1.161	98.97	1.010	-0.14	0.344	0.404
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	2	6	2437	13.35	14.00	1.161	98.97	1.010	-0.06	0.607	0.712
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	6	2437	13.35	14.00	1.161	98.97	1.010	-0.04	0.685	0.804
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	1	2412	13.25	14.00	1.189	98.97	1.010	-0.11	0.625	0.750
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	11	2462	13.15	14.00	1.216	98.97	1.010	-0.18	0.681	0.837
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	12	2467	13.25	14.00	1.189	98.97	1.010	-0.11	0.622	0.747
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	13	2472	13.25	14.00	1.189	98.97	1.010	-0.17	0.568	0.682
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 3+4(3)	2	6	2437	13.45	14.00	1.135	93.46	1.070	-0.09	0.116	0.141
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 3+4(4)	2	6	2437	13.45	14.00	1.135	93.46	1.070	-0.09	0.221	0.268
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 3+4(3)	2	6	2437	13.45	14.00	1.135	93.46	1.070	-0.17	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 3+4(4)	2	6	2437	13.45	14.00	1.135	93.46	1.070	-0.17	0.307	0.373
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 3+4(3)	2	6	2437	13.45	14.00	1.135	93.46	1.070	-0.06	0.108	0.131
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 3+4(4)	2	6	2437	13.45	14.00	1.135	93.46	1.070	-0.06	0.506	0.615
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	2	6	2437	13.45	14.00	1.135	93.46	1.070	-0.08	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	2	6	2437	13.45	14.00	1.135	93.46	1.070	-0.08	0.682	0.828
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	2	1	2412	13.35	14.00	1.161	93.46	1.070	-0.13	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	2	1	2412	13.25	14.00	1.189	93.46	1.070	-0.13	0.580	0.738
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	2	11	2462	13.25	14.00	1.189	93.46	1.070	-0.07	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	2	11	2462	13.45	14.00	1.135	93.46	1.070	-0.07	0.668	0.811
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	2	12	2467	13.35	14.00	1.161	93.46	1.070	-0.07	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	2	12	2467	13.35	14.00	1.161	93.46	1.070	-0.07	0.630	0.783

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 3	3	6	2437	11.95	12.00	1.012	98.85	1.012	-0.14	0.071	0.073
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	3	1	2412	11.95	12.00	1.012	98.85	1.012	-0.09	0.060	0.061
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	3	11	2462	11.85	12.00	1.035	98.85	1.012	0.01	0.109	0.114
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	3	12	2467	11.75	12.00	1.059	98.85	1.012	-0.12	0.085	0.091
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	3	13	2472	11.85	12.00	1.035	98.85	1.012	-0.06	0.082	0.086
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	3	6	2437	11.95	12.00	1.012	98.85	1.012	-0.13	0.010	0.010
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	3	6	2437	11.95	12.00	1.012	98.85	1.012	-0.03	0.051	0.052
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	3	6	2437	11.95	12.00	1.012	98.85	1.012	0	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	3	6	2437	11.75	12.00	1.059	98.97	1.010	-0.17	0.181	0.194
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	3	6	2437	11.75	12.00	1.059	98.97	1.010	-0.14	0.215	0.230
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	3	6	2437	11.75	12.00	1.059	98.97	1.010	-0.06	0.381	0.408
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	3	6	2437	11.75	12.00	1.059	98.97	1.010	-0.03	0.430	0.460
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	3	1	2412	11.65	12.00	1.084	98.97	1.010	-0.11	0.392	0.429
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	3	11	2462	11.95	12.00	1.012	98.97	1.010	-0.18	0.427	0.436
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	3	12	2467	11.65	12.00	1.084	98.97	1.010	-0.11	0.390	0.427
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	3	13	2472	11.95	12.00	1.012	98.97	1.010	-0.17	0.356	0.364
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 3+4(3)	3	6	2437	11.85	12.00	1.035	93.46	1.070	-0.09	0.065	0.072
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 3+4(4)	3	6	2437	11.55	12.00	1.109	93.46	1.070	-0.09	0.125	0.148
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 3+4(3)	3	6	2437	11.85	12.00	1.035	93.46	1.070	-0.17	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 3+4(4)	3	6	2437	11.55	12.00	1.109	93.46	1.070	-0.17	0.174	0.207
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 3+4(3)	3	6	2437	11.85	12.00	1.035	93.46	1.070	-0.06	0.061	0.068
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 3+4(4)	3	6	2437	11.55	12.00	1.109	93.46	1.070	-0.06	0.287	0.341
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	3	6	2437	11.85	12.00	1.035	93.46	1.070	-0.08	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	3	6	2437	11.55	12.00	1.109	93.46	1.070	-0.02	0.394	0.468
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	3	1	2412	11.95	12.00	1.012	93.46	1.070	-0.13	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	3	1	2412	11.55	12.00	1.109	93.46	1.070	-0.13	0.329	0.390
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	3	11	2462	11.65	12.00	1.084	93.46	1.070	-0.07	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	3	11	2462	11.75	12.00	1.059	93.46	1.070	-0.07	0.379	0.430
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	3	12	2467	11.55	12.00	1.109	93.46	1.070	-0.07	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	3	12	2467	11.55	12.00	1.109	93.46	1.070	-0.07	0.357	0.424
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	3	13	2472	11.85	12.00	1.035	93.46	1.070	-0.12	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	3	13	2472	11.55	12.00	1.109	93.46	1.070	-0.12	0.342	0.406

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 3	4	6	2437	9.75	10.00	1.059	98.85	1.012	-0.15	0.064	0.069
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	4	1	2412	9.85	10.00	1.035	98.85	1.012	-0.16	0.055	0.058
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	4	11	2462	9.65	10.00	1.084	98.85	1.012	-0.13	0.076	0.083
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	4	12	2467	9.85	10.00	1.035	98.85	1.012	-0.11	0.069	0.072
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	4	13	2472	9.75	10.00	1.059	98.85	1.012	-0.06	0.069	0.074
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	4	6	2437	9.75	10.00	1.059	98.85	1.012	-0.04	0.010	0.011
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	4	6	2437	9.75	10.00	1.059	98.85	1.012	-0.09	0.044	0.047
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	4	6	2437	9.75	10.00	1.059	98.85	1.012	0	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	4	6	2437	9.85	10.00	1.035	98.97	1.010	-0.13	0.117	0.122
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	4	6	2437	9.85	10.00	1.035	98.97	1.010	-0.14	0.153	0.160
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	4	6	2437	9.85	10.00	1.035	98.97	1.010	-0.02	0.306	0.320
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	4	1	2412	9.85	10.00	1.035	98.97	1.010	-0.11	0.231	0.242
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	4	11	2462	9.95	10.00	1.012	98.97	1.010	-0.14	0.267	0.273
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	4	12	2467	9.85	10.00	1.035	98.97	1.010	-0.04	0.252	0.263
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	4	13	2472	9.85	10.00	1.035	98.97	1.010	-0.09	0.229	0.239
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	4	6	2437	9.85	10.00	1.035	98.97	1.010	-0.18	0.257	0.269
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 3+4(3)	4	6	2437	9.55	10.00	1.109	93.46	1.070	-0.13	0.056	0.066
	WLAN2.4GHz	802.11g 6Mbps	Right Cheek	0mm	Ant 3+4(4)	4	6	2437	9.55	10.00	1.109	93.46	1.070	-0.13	0.079	0.094
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 3+4(3)	4	6	2437	9.55	10.00	1.109	93.46	1.070	-0.15	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Right Tilted	0mm	Ant 3+4(4)	4	6	2437	9.55	10.00	1.109	93.46	1.070	-0.15	0.109	0.129
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 3+4(3)	4	6	2437	9.55	10.00	1.109	93.46	1.070	-0.15	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Cheek	0mm	Ant 3+4(4)	4	6	2437	9.55	10.00	1.109	93.46	1.070	-0.15	0.208	0.247
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	4	6	2437	9.55	10.00	1.109	93.46	1.070	-0.14	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	4	6	2437	9.55	10.00	1.109	93.46	1.070	-0.14	0.287	0.341
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	4	1	2412	9.85	10.00	1.035	93.46	1.070	-0.05	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	4	1	2412	9.85	10.00	1.035	93.46	1.070	-0.05	0.259	0.287
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	4	11	2462	9.85	10.00	1.035	93.46	1.070	-0.1	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	4	11	2462	9.95	10.00	1.012	93.46	1.070	-0.1	0.299	0.324
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	4	12	2467	9.75	10.00	1.059	93.46	1.070	-0.16	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	4	12	2467	9.75	10.00	1.059	93.46	1.070	-0.16	0.284	0.322
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(3)	4	13	2472	9.95	10.00	1.012	93.46	1.070	-0.12	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Left Tilted	0mm	Ant 3+4(4)	4	13	2472	9.55	10.00	1.109	93.46	1.070	-0.12	0.240	0.285

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-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	1/2	50	5250	12.55	13.50	1.245	87.95	1.137	-0.02	0.137	0.194
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1/2	50	5250	13.40	13.50	1.023	87.95	1.137	-0.02	0.237	0.276
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	1/2	50	5250	12.55	13.50	1.245	87.95	1.137	-0.14	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	1/2	50	5250	13.40	13.50	1.023	87.95	1.137	-0.14	0.151	0.176
32	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1/2	50	5250	12.55	13.50	1.245	87.95	1.137	-0.05	0.111	0.157
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1/2	50	5250	13.40	13.50	1.023	87.95	1.137	-0.05	0.339	0.394
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	1/2	50	5250	12.55	13.50	1.245	87.95	1.137	-0.18	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	1/2	50	5250	13.40	13.50	1.023	87.95	1.137	-0.18	0.291	0.339
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	3/4	50	5250	10.45	12.00	1.429	87.95	1.137	0.15	0.084	0.136
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	3/4	50	5250	11.90	12.00	1.023	87.95	1.137	0.15	0.158	0.184
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	3/4	50	5250	10.45	12.00	1.429	87.95	1.137	0.13	0.001	0.002
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	3/4	50	5250	11.90	12.00	1.023	87.95	1.137	0.13	0.093	0.108
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	3/4	50	5250	10.45	12.00	1.429	87.95	1.137	0.17	0.081	0.132
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	3/4	50	5250	11.90	12.00	1.023	87.95	1.137	0.17	0.215	0.250
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	3/4	50	5250	10.45	12.00	1.429	87.95	1.137	-0.15	0.001	0.002
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	3/4	50	5250	11.90	12.00	1.023	87.95	1.137	-0.15	0.178	0.207
33	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	1/2	114	5570	14.95	15.00	1.012	87.95	1.137	-0.16	0.453	0.521
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1/2	114	5570	15.00	15.00	1.000	87.95	1.137	-0.16	0.204	0.232
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	1/2	114	5570	14.95	15.00	1.012	87.95	1.137	-0.07	0.058	0.067
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	1/2	114	5570	15.00	15.00	1.000	87.95	1.137	-0.07	0.239	0.272
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1/2	114	5570	14.95	15.00	1.012	87.95	1.137	0	0.279	0.321
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1/2	114	5570	15.00	15.00	1.000	87.95	1.137	0	0.307	0.349
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	1/2	114	5570	14.95	15.00	1.012	87.95	1.137	-0.04	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	1/2	114	5570	15.00	15.00	1.000	87.95	1.137	-0.04	0.373	0.424
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	3/4	114	5570	10.05	11.50	1.396	87.95	1.137	0.09	0.121	0.192
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	3/4	114	5570	11.40	11.50	1.023	87.95	1.137	0.09	0.068	0.079
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	3/4	114	5570	10.05	11.50	1.396	87.95	1.137	0.13	0.076	0.121
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	3/4	114	5570	11.40	11.50	1.023	87.95	1.137	0.13	0.076	0.088
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	3/4	114	5570	10.05	11.50	1.396	87.95	1.137	-0.07	0.077	0.122
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	3/4	114	5570	11.40	11.50	1.023	87.95	1.137	-0.07	0.172	0.200
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	3/4	114	5570	10.05	11.50	1.396	87.95	1.137	0.15	0.010	0.016
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	3/4	114	5570	11.40	11.50	1.023	87.95	1.137	0.15	0.139	0.162
34	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(3)	1/2	155	5775	15.85	16.00	1.035	91.94	1.088	-0.17	0.515	0.580
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(4)	1/2	155	5775	15.70	16.00	1.072	91.94	1.088	-0.17	0.215	0.251
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(3)	1/2	155	5775	15.85	16.00	1.035	91.94	1.088	-0.17	0.051	0.057
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(4)	1/2	155	5775	15.70	16.00	1.072	91.94	1.088	-0.17	0.220	0.256
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(3)	1/2	155	5775	15.85	16.00	1.035	91.94	1.088	-0.1	0.284	0.320
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(4)	1/2	155	5775	15.70	16.00	1.072	91.94	1.088	-0.1	0.489	0.570
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(3)	1/2	155	5775	15.85	16.00	1.035	91.94	1.088	0.08	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(4)	1/2	155	5775	15.70	16.00	1.072	91.94	1.088	0.08	0.426	0.497
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(3)	3/4	155	5775	12.35	12.50	1.035	91.94	1.088	0.08	0.178	0.200
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(4)	3/4	155	5775	12.20	12.50	1.072	91.94	1.088	0.08	0.097	0.113
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(3)	3/4	155	5775	12.35	12.50	1.035	91.94	1.088	0.01	0.018	0.020
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(4)	3/4	155	5775	12.20	12.50	1.072	91.94	1.088	0.01	0.096	0.112
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(3)	3/4	155	5775	12.35	12.50	1.035	91.94	1.088	-0.06	0.126	0.142
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(4)	3/4	155	5775	12.20	12.50	1.072	91.94	1.088	-0.06	0.234	0.273
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(3)	3/4	155	5775	12.35	12.50	1.035	91.94	1.088	-0.16	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(4)	3/4	155	5775	12.20	12.50	1.072	91.94	1.088	-0.16	0.171	0.199

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-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	1/2	163	5815	15.85	16.00	1.035	87.95	1.137	-0.19	0.458	0.539
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1/2	163	5815	15.70	16.00	1.072	87.95	1.137	-0.19	0.249	0.303
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	1/2	163	5815	15.85	16.00	1.035	87.95	1.137	-0.12	0.051	0.060
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	1/2	163	5815	15.70	16.00	1.072	87.95	1.137	-0.12	0.242	0.295
35	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1/2	163	5815	15.85	16.00	1.035	87.95	1.137	0.19	0.306	0.360
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1/2	163	5815	15.70	16.00	1.072	87.95	1.137	0.19	0.505	0.615
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	1/2	163	5815	15.85	16.00	1.035	87.95	1.137	0.12	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	1/2	163	5815	15.70	16.00	1.072	87.95	1.137	0.12	0.500	0.609
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	3/4	163	5815	12.35	12.50	1.035	87.95	1.137	0.04	0.267	0.314
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	3/4	163	5815	12.20	12.50	1.072	87.95	1.137	0.04	0.121	0.147
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	3/4	163	5815	12.35	12.50	1.035	87.95	1.137	0.09	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	3/4	163	5815	12.20	12.50	1.072	87.95	1.137	0.09	0.121	0.147
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	3/4	163	5815	12.35	12.50	1.035	87.95	1.137	0.08	0.164	0.193
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	3/4	163	5815	12.20	12.50	1.072	87.95	1.137	0.08	0.227	0.277
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	3/4	163	5815	12.35	12.50	1.035	87.95	1.137	-0.06	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	3/4	163	5815	12.20	12.50	1.072	87.95	1.137	-0.06	0.227	0.277

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-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	1/2/3/4	15	6025	11.80	12.00	1.047	86.3	1.159	-0.09	0.227	0.275	1.6	1.942
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1/2/3/4	15	6025	11.80	12.00	1.047	86.3	1.159	-0.09	0.119	0.144	0.921	1.118
	WLAN6GHz	802.11ax-HE160 MCS0	Right Tilted	0mm	Ant 3+4(3)	1/2/3/4	15	6025	11.80	12.00	1.047	86.3	1.159	0.11	0.023	0.028	0.182	0.221
	WLAN6GHz	802.11ax-HE160 MCS0	Right Tilted	0mm	Ant 3+4(4)	1/2/3/4	15	6025	11.80	12.00	1.047	86.3	1.159	0.11	0.118	0.143	1	1.214
36	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1/2/3/4	15	6025	11.80	12.00	1.047	86.3	1.159	0.13	0.138	0.167	1.17	1.420
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1/2/3/4	15	6025	11.80	12.00	1.047	86.3	1.159	0.13	0.228	0.277	1.64	1.990
37	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1/2/3/4	47	6185	11.60	12.00	1.096	86.3	1.159	-0.11	0.171	0.217	1.29	1.639
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1/2/3/4	47	6185	12.00	12.00	1.000	86.3	1.159	-0.11	0.238	0.276	1.72	1.993
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1/2/3/4	111	6505	10.00	10.00	1.000	86.3	1.159	0.09	0.084	0.097	0.577	0.669
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1/2/3/4	111	6505	9.80	10.00	1.047	86.3	1.159	0.09	0.067	0.081	0.461	0.559
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1/2/3/4	143	6665	8.40	8.50	1.023	86.3	1.159	-0.15	0.034	0.040	0.259	0.307
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1/2/3/4	143	6665	7.60	8.50	1.230	86.3	1.159	-0.15	0.052	0.074	0.307	0.438
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1/2/3/4	207	6985	11.80	12.00	1.047	86.3	1.159	0.06	0.052	0.063	0.322	0.391
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1/2/3/4	207	6985	11.40	12.00	1.148	86.3	1.159	0.06	0.075	0.100	0.456	0.607
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 3+4(3)	1/2/3/4	15	6025	11.80	12.00	1.047	86.3	1.159	-0.11	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 3+4(4)	1/2/3/4	15	6025	11.80	12.00	1.047	86.3	1.159	-0.11	0.212	0.257	1.5	1.820

<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 3	1	78	2480	9.00	9.00	1.000	77.13	1.080	-0.09	0.037	0.040
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3	1	78	2480	9.00	9.00	1.000	77.13	1.080	0.01	0.001	0.001
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	1	78	2480	9.00	9.00	1.000	77.13	1.080	-0.11	0.038	0.041
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	1	0	2402	8.42	9.00	1.143	77.13	1.080	-0.12	0.022	0.027
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	1	39	2441	8.99	9.00	1.002	77.13	1.080	-0.1	0.025	0.027
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3	1	78	2480	9.00	9.00	1.000	77.13	1.080	0.01	0.001	0.001
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 4	1	39	2441	8.32	9.00	1.169	77.07	1.081	-0.15	0.073	0.092
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 4	1	39	2441	8.32	9.00	1.169	77.07	1.081	-0.01	0.092	0.116
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 4	1	39	2441	8.32	9.00	1.169	77.07	1.081	-0.07	0.159	0.201
38	Bluetooth	1Mbps	Left Tilted	0mm	Ant 4	1	39	2441	8.32	9.00	1.169	77.07	1.081	-0.16	0.189	0.239
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 4	1	0	2402	7.54	9.00	1.400	77.07	1.081	-0.07	0.114	0.172
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 4	1	78	2480	7.16	9.00	1.528	77.07	1.081	-0.05	0.079	0.130
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 3+4(3)	1	39	2441	7.28	9.00	1.486	77.07	1.081	-0.17	0.018	0.029
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 3+4(4)	1	39	2441	8.18	9.00	1.208	77.07	1.081	-0.17	0.065	0.085
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3+4(3)	1	39	2441	7.28	9.00	1.486	77.07	1.081	-0.06	0.001	0.002
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3+4(4)	1	39	2441	8.18	9.00	1.208	77.07	1.081	-0.06	0.082	0.107
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3+4(3)	1	39	2441	7.28	9.00	1.486	77.07	1.081	-0.17	0.014	0.022
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3+4(4)	1	39	2441	8.18	9.00	1.208	77.07	1.081	-0.17	0.144	0.188
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3+4(3)	1	39	2441	7.28	9.00	1.486	77.07	1.081	0.01	0.001	0.002
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3+4(4)	1	39	2441	8.18	9.00	1.208	77.07	1.081	0.01	0.174	0.227
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3+4(3)	1	0	2402	7.18	9.00	1.521	77.07	1.081	-0.11	0.001	0.002
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3+4(4)	1	0	2402	7.32	9.00	1.472	77.07	1.081	-0.11	0.122	0.194
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3+4(3)	1	78	2480	7.38	9.00	1.452	77.07	1.081	0.14	0.001	0.002
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3+4(4)	1	78	2480	7.01	9.00	1.581	77.07	1.081	0.14	0.073	0.125

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 (4 Tx slots)	Front	10mm	4	189	836.4	27.11	27.70	1.146	0.06	0.361	0.414
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	189	836.4	27.11	27.70	1.146	0.05	0.450	0.515
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Side	10mm	4	189	836.4	27.11	27.70	1.146	0.01	0.616	0.706
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Side	10mm	4	189	836.4	27.11	27.70	1.146	0.01	0.242	0.277
39	GSM850_Ant 0	GPRS (4 Tx slots)	Bottom Side	10mm	4	189	836.4	27.11	27.70	1.146	0.03	0.672	0.770
	GSM850_Ant 0	GPRS (4 Tx slots)	Bottom Side	10mm	4	128	824.2	27.06	27.70	1.159	0.15	0.645	0.747
	GSM850_Ant 0	GPRS (4 Tx slots)	Bottom Side	10mm	4	251	848.8	27.10	27.70	1.148	-0.08	0.603	0.692
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	4	189	836.4	28.46	30.00	1.426	-0.15	0.215	0.307
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	4	189	836.4	28.46	30.00	1.426	0.06	0.418	0.596
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	4	128	824.2	28.45	30.00	1.429	0.02	0.355	0.507
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	4	251	848.8	28.12	30.00	1.542	-0.04	0.382	0.589
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Side	10mm	4	189	836.4	28.46	30.00	1.426	0.01	0.122	0.174
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Side	10mm	4	189	836.4	28.46	30.00	1.426	0.01	0.203	0.289
	GSM850_Ant 1	GPRS (4 Tx slots)	Top Side	10mm	4	189	836.4	28.46	30.00	1.426	0	0.170	0.242
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	4	661	1880	23.35	24.10	1.189	0.08	0.256	0.304
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	4	661	1880	23.35	24.10	1.189	0.04	0.287	0.341
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Side	10mm	4	661	1880	23.35	24.10	1.189	-0.16	0.087	0.103
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Side	10mm	4	661	1880	23.35	24.10	1.189	0.01	0.422	0.502
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Side	10mm	4	512	1850.2	23.34	24.10	1.191	-0.01	0.505	0.602
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Side	10mm	4	810	1909.8	23.33	24.10	1.194	0.03	0.432	0.516
	GSM1900_Ant 2	GPRS (4 Tx slots)	Bottom Side	10mm	4	661	1880	23.35	24.10	1.189	-0.06	0.244	0.290
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	4	512	1850.2	20.40	20.50	1.023	0.08	0.355	0.363
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	512	1850.2	20.40	20.50	1.023	0.02	0.377	0.386
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Side	10mm	4	512	1850.2	20.40	20.50	1.023	-0.12	0.074	0.076
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Side	10mm	4	512	1850.2	20.40	20.50	1.023	-0.02	0.024	0.025
	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	10mm	4	512	1850.2	20.40	20.50	1.023	-0.13	0.635	0.650
	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	10mm	4	661	1880	20.17	20.50	1.079	0.05	0.623	0.672
40	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	10mm	4	810	1909.8	19.72	20.50	1.197	0.06	0.632	0.756

<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	4	9400	1880	20.71	21.30	1.146	-0.04	0.308	0.353
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	4	9400	1880	20.71	21.30	1.146	0.07	0.354	0.406
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Side	10mm	4	9400	1880	20.71	21.30	1.146	0.06	0.054	0.062
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Side	10mm	4	9400	1880	20.71	21.30	1.146	-0.02	0.458	0.525
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Side	10mm	4	9262	1852.4	20.67	21.30	1.156	0	0.455	0.526
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Side	10mm	4	9538	1907.6	20.69	21.30	1.151	-0.04	0.495	0.570
	WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Side	10mm	4	9400	1880	20.71	21.30	1.146	0.01	0.145	0.166
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	4	9400	1880	18.40	18.40	1.000	0.03	0.432	0.432
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	4	9400	1880	18.40	18.40	1.000	-0.03	0.339	0.339
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Side	10mm	4	9400	1880	18.40	18.40	1.000	0.06	0.095	0.095
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Side	10mm	4	9400	1880	18.40	18.40	1.000	-0.18	0.029	0.029
41	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	4	9400	1880	18.40	18.40	1.000	0	0.788	0.788
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	4	9262	1852.4	18.39	18.40	1.002	-0.02	0.692	0.694
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	4	9538	1907.6	18.38	18.40	1.005	0.04	0.654	0.657
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	4	1413	1732.6	20.84	21.20	1.086	0.01	0.299	0.325
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	4	1413	1732.6	20.84	21.20	1.086	-0.05	0.319	0.347
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Side	10mm	4	1413	1732.6	20.84	21.20	1.086	-0.09	0.059	0.064
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Side	10mm	4	1413	1732.6	20.84	21.20	1.086	0.01	0.389	0.423
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Side	10mm	4	1312	1712.4	20.66	21.20	1.132	0.01	0.392	0.444
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Side	10mm	4	1513	1752.6	20.71	21.20	1.119	-0.04	0.469	0.525
	WCDMA IV_Ant 2	RMC 12.2Kbps	Bottom Side	10mm	4	1413	1732.6	20.84	21.20	1.086	0.04	0.205	0.223
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	4	1413	1732.6	18.94	19.30	1.086	0.01	0.409	0.444
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	4	1413	1732.6	18.94	19.30	1.086	-0.03	0.317	0.344
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Side	10mm	4	1413	1732.6	18.94	19.30	1.086	-0.14	0.114	0.124
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Side	10mm	4	1413	1732.6	18.94	19.30	1.086	-0.05	0.040	0.043
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	4	1413	1732.6	18.94	19.30	1.086	-0.05	0.710	0.771
42	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	4	1312	1712.4	18.79	19.30	1.125	0	0.727	0.818
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	4	1513	1752.6	18.81	19.30	1.119	0.02	0.672	0.752
	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	4	4182	836.4	24.52	25.20	1.169	-0.01	0.546	0.639
43	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	4	4182	836.4	24.52	25.20	1.169	0.03	0.651	0.761
	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	4	4132	826.4	24.51	25.20	1.172	0.01	0.535	0.627
	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	4	4233	846.6	24.50	25.20	1.175	-0.02	0.612	0.719
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Side	10mm	4	4182	836.4	24.52	25.20	1.169	0.02	0.606	0.709
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Side	10mm	4	4182	836.4	24.52	25.20	1.169	0	0.285	0.333
	WCDMA V_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	4	4182	836.4	24.52	25.20	1.169	-0.02	0.648	0.758
	WCDMA V_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	4	4132	826.4	24.51	25.20	1.172	0.03	0.633	0.742
	WCDMA V_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	4	4233	846.6	24.50	25.20	1.175	0.01	0.633	0.744
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	4	4182	836.4	24.62	25.10	1.117	-0.18	0.197	0.220
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	4	4182	836.4	24.62	25.10	1.117	-0.01	0.355	0.396
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	4	4132	826.4	24.39	25.10	1.178	0.04	0.317	0.373
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	4	4233	846.6	24.50	25.10	1.148	0.02	0.329	0.378
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	4	4182	836.4	24.62	25.10	1.117	-0.09	0.083	0.093
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Side	10mm	4	4182	836.4	24.62	25.10	1.117	0.17	0.201	0.224
	WCDMA V_Ant 1	RMC 12.2Kbps	Top Side	10mm	4	4182	836.4	24.62	25.10	1.117	-0.02	0.152	0.170

<FDD 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	4	18900	1880	21.01	21.20	1.045	-0.16	0.322	0.336
	LTE Band 2_Ant 1	20M	QPSK	50	0	Front	10mm	4	18900	1880	21.00	21.20	1.047	-0.19	0.333	0.349
	LTE Band 2_Ant 1	20M	QPSK	1	0	Back	10mm	4	18900	1880	21.01	21.20	1.045	0.07	0.330	0.345
	LTE Band 2_Ant 1	20M	QPSK	50	0	Back	10mm	4	18900	1880	21.00	21.20	1.047	-0.13	0.336	0.352
	LTE Band 2_Ant 1	20M	QPSK	1	0	Left Side	10mm	4	18900	1880	21.01	21.20	1.045	-0.08	0.120	0.125
	LTE Band 2_Ant 1	20M	QPSK	50	0	Left Side	10mm	4	18900	1880	21.00	21.20	1.047	-0.14	0.125	0.131
	LTE Band 2_Ant 1	20M	QPSK	1	0	Right Side	10mm	4	18900	1880	21.01	21.20	1.045	-0.17	0.001	0.001
	LTE Band 2_Ant 1	20M	QPSK	50	0	Right Side	10mm	4	18900	1880	21.00	21.20	1.047	-0.16	0.001	0.001
	LTE Band 2_Ant 1	20M	QPSK	1	0	Top Side	10mm	4	18900	1880	21.01	21.20	1.045	0.09	0.625	0.653
	LTE Band 2_Ant 1	20M	QPSK	1	0	Top Side	10mm	4	18700	1860	20.90	21.20	1.072	-0.13	0.474	0.508
	LTE Band 2_Ant 1	20M	QPSK	1	0	Top Side	10mm	4	19100	1900	20.96	21.20	1.057	0.06	0.712	0.752
	LTE Band 2_Ant 1	20M	QPSK	50	0	Top Side	10mm	4	18900	1880	21.00	21.20	1.047	-0.01	0.636	0.666
	LTE Band 2_Ant 1	20M	QPSK	50	0	Top Side	10mm	4	18700	1860	20.95	21.20	1.059	0.11	0.504	0.534
44	LTE Band 2_Ant 1	20M	QPSK	50	0	Top Side	10mm	4	19100	1900	20.99	21.20	1.050	-0.03	0.751	0.788
	LTE Band 2_Ant 1	20M	QPSK	100	0	Top Side	10mm	4	18900	1880	20.97	21.20	1.054	-0.15	0.648	0.683
	LTE Band 2_Ant 5	20M	QPSK	1	0	Front	10mm	4	18900	1880	21.05	21.20	1.035	-0.12	0.304	0.315
	LTE Band 2_Ant 5	20M	QPSK	50	0	Front	10mm	4	18900	1880	21.02	21.20	1.042	-0.08	0.316	0.329
	LTE Band 2_Ant 5	20M	QPSK	1	0	Back	10mm	4	18900	1880	21.05	21.20	1.035	-0.02	0.372	0.385
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	4	18900	1880	21.02	21.20	1.042	0.03	0.381	0.397
	LTE Band 2_Ant 5	20M	QPSK	1	0	Left Side	10mm	4	18900	1880	21.05	21.20	1.035	-0.13	0.001	0.001
	LTE Band 2_Ant 5	20M	QPSK	50	0	Left Side	10mm	4	18900	1880	21.02	21.20	1.042	0.12	0.001	0.001
	LTE Band 2_Ant 5	20M	QPSK	1	0	Right Side	10mm	4	18900	1880	21.05	21.20	1.035	0.09	0.553	0.572
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Side	10mm	4	18900	1880	21.02	21.20	1.042	-0.11	0.552	0.575
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Side	10mm	4	18700	1860	21.00	21.20	1.047	0.05	0.460	0.482
	LTE Band 2_Ant 5	20M	QPSK	50	0	Right Side	10mm	4	19100	1900	21.03	21.20	1.040	0.02	0.571	0.594
	LTE Band 2_Ant 5	20M	QPSK	1	0	Top Side	10mm	4	18900	1880	21.05	21.20	1.035	0.09	0.001	0.001
	LTE Band 2_Ant 5	20M	QPSK	50	0	Top Side	10mm	4	18900	1880	21.02	21.20	1.042	-0.01	0.001	0.001

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	Front	10mm	4	21100	2535	19.45	19.70	1.059	0	0.521	0.552
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	4	21100	2535	19.39	19.70	1.074	0.03	0.474	0.509
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	4	21100	2535	19.45	19.70	1.059	-0.03	0.370	0.392
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	4	21100	2535	19.39	19.70	1.074	-0.04	0.473	0.508
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Side	10mm	4	21100	2535	19.45	19.70	1.059	-0.15	0.040	0.042
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Side	10mm	4	21100	2535	19.39	19.70	1.074	0.09	0.001	0.001
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	21100	2535	19.45	19.70	1.059	0.01	0.686	0.727
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	20850	2510	19.37	19.70	1.079	0.01	0.704	0.760
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	21350	2560	19.44	19.70	1.062	0	0.705	0.748
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Side	10mm	4	21100	2535	19.39	19.70	1.074	-0.04	0.656	0.705
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Side	10mm	4	21100	2535	19.45	19.70	1.059	-0.01	0.143	0.151
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Side	10mm	4	21100	2535	19.39	19.70	1.074	-0.1	0.137	0.147
	LTE Band 7C_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	21350+21152	2560	19.44	19.70	1.062	0.01	0.684	0.726
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	4	21350	2560	17.26	18.40	1.300	0.07	0.270	0.351
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	4	21350	2560	17.24	18.40	1.306	-0.05	0.259	0.338
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	4	21350	2560	17.26	18.40	1.300	0.01	0.251	0.326
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	4	21350	2560	17.24	18.40	1.306	-0.05	0.244	0.319
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Side	10mm	4	21100	2535	17.24	18.40	1.306	-0.14	0.046	0.060
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Side	10mm	4	21350	2560	17.24	18.40	1.306	-0.16	0.045	0.059
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Side	10mm	4	21100	2535	17.24	18.40	1.306	-0.06	0.032	0.042
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Side	10mm	4	21350	2560	17.24	18.40	1.306	0.05	0.027	0.035
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	21350	2560	17.26	18.40	1.300	0.01	0.522	0.679
45	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	20850	2510	17.23	18.40	1.309	-0.01	0.627	0.821
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	21100	2535	17.24	18.40	1.306	0.03	0.474	0.619
	LTE Band 7_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	4	21350	2560	17.24	18.40	1.306	-0.07	0.515	0.673
	LTE Band 7_Ant 0	20M	QPSK	100	0	Bottom Side	10mm	4	21100	2535	17.23	18.40	1.309	-0.12	0.494	0.647
	LTE Band 7C_Ant 0	20M	QPSK	1	99	Bottom Side	10mm	4	20850+21048	2510	15.80	17.00	1.318	0.03	0.437	0.576
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	10mm	4	23095	707.5	24.37	25.50	1.297	-0.05	0.344	0.446
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	4	23095	707.5	23.32	24.50	1.312	-0.01	0.266	0.349
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	4	23095	707.5	24.37	25.50	1.297	0.01	0.380	0.493
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	4	23095	707.5	23.32	24.50	1.312	-0.01	0.300	0.394
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Side	10mm	4	23095	707.5	24.37	25.50	1.297	0.19	0.239	0.310
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Side	10mm	4	23095	707.5	23.32	24.50	1.312	0.1	0.196	0.257
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Side	10mm	4	23095	707.5	24.37	25.50	1.297	-0.02	0.211	0.274
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Side	10mm	4	23095	707.5	23.32	24.50	1.312	0.01	0.169	0.222
46	LTE Band 12_Ant 0	10M	QPSK	1	0	Bottom Side	10mm	4	23095	707.5	24.37	25.50	1.297	0.01	0.418	0.542
	LTE Band 12_Ant 0	10M	QPSK	25	0	Bottom Side	10mm	4	23095	707.5	23.32	24.50	1.312	0	0.312	0.409
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	4	23095	707.5	24.32	25.10	1.197	-0.02	0.212	0.254
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	4	23095	707.5	23.34	24.10	1.191	0	0.129	0.154
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	4	23095	707.5	24.32	25.10	1.197	-0.12	0.175	0.209
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	4	23095	707.5	23.34	24.10	1.191	-0.16	0.135	0.161
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Side	10mm	4	23095	707.5	24.32	25.10	1.197	-0.04	0.210	0.251
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Side	10mm	4	23095	707.5	23.34	24.10	1.191	-0.05	0.131	0.156
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Side	10mm	4	23095	707.5	24.32	25.10	1.197	-0.03	0.161	0.193
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Side	10mm	4	23095	707.5	23.34	24.10	1.191	-0.02	0.126	0.150
	LTE Band 12_Ant 1	10M	QPSK	1	0	Top Side	10mm	4	23095	707.5	24.32	25.10	1.197	-0.01	0.069	0.083
	LTE Band 12_Ant 1	10M	QPSK	25	0	Top Side	10mm	4	23095	707.5	23.34	24.10	1.191	-0.1	0.055	0.066

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 13_Ant 0	10M	QPSK	1	0	Front	10mm	4	23230	782	24.65	24.70	1.012	-0.08	0.405	0.410
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	4	23230	782	23.71	24.20	1.119	-0.02	0.365	0.409
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	4	23230	782	24.65	24.70	1.012	-0.08	0.440	0.445
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	4	23230	782	23.71	24.20	1.119	0	0.365	0.409
47	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Side	10mm	4	23230	782	24.65	24.70	1.012	0	0.696	0.704
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Side	10mm	4	23230	782	23.71	24.20	1.119	0.06	0.611	0.684
	LTE Band 13_Ant 0	10M	QPSK	50	0	Left Side	10mm	4	23230	782	23.71	24.20	1.119	-0.17	0.614	0.687
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Side	10mm	4	23230	782	24.65	24.70	1.012	-0.07	0.369	0.373
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Side	10mm	4	23230	782	23.71	24.20	1.119	-0.01	0.314	0.352
	LTE Band 13_Ant 0	10M	QPSK	1	0	Bottom Side	10mm	4	23230	782	24.65	24.70	1.012	0.02	0.511	0.517
	LTE Band 13_Ant 0	10M	QPSK	25	0	Bottom Side	10mm	4	23230	782	23.71	24.20	1.119	0.01	0.426	0.477
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	4	23230	782	24.59	25.10	1.125	-0.08	0.266	0.299
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	4	23230	782	23.72	24.10	1.091	0	0.207	0.226
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	4	23230	782	24.59	25.10	1.125	-0.1	0.330	0.371
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	4	23230	782	23.72	24.10	1.091	-0.08	0.282	0.308
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Side	10mm	4	23230	782	24.59	25.10	1.125	-0.05	0.178	0.200
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Side	10mm	4	23230	782	23.72	24.10	1.091	0.02	0.181	0.198
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Side	10mm	4	23230	782	24.59	25.10	1.125	-0.02	0.222	0.250
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Side	10mm	4	23230	782	23.72	24.10	1.091	0	0.180	0.196
	LTE Band 13_Ant 1	10M	QPSK	1	0	Top Side	10mm	4	23230	782	24.59	25.10	1.125	0.02	0.135	0.152
	LTE Band 13_Ant 1	10M	QPSK	25	0	Top Side	10mm	4	23230	782	23.72	24.10	1.091	0.01	0.116	0.127
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	4	23330	793	24.27	24.30	1.007	0.01	0.450	0.453
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	4	23330	793	24.17	24.30	1.030	-0.03	0.417	0.430
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	4	23330	793	24.27	24.30	1.007	0.02	0.399	0.402
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	4	23330	793	24.17	24.30	1.030	0.02	0.354	0.365
48	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Side	10mm	4	23330	793	24.27	24.30	1.007	-0.02	0.631	0.635
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Side	10mm	4	23330	793	24.17	24.30	1.030	0.01	0.602	0.620
	LTE Band 14_Ant 0	10M	QPSK	50	0	Left Side	10mm	4	23330	793	24.14	24.30	1.038	0.01	0.594	0.616
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Side	10mm	4	23330	793	24.27	24.30	1.007	0.02	0.338	0.340
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Side	10mm	4	23330	793	24.17	24.30	1.030	-0.01	0.316	0.326
	LTE Band 14_Ant 0	10M	QPSK	1	0	Bottom Side	10mm	4	23330	793	24.27	24.30	1.007	0	0.444	0.447
	LTE Band 14_Ant 0	10M	QPSK	25	0	Bottom Side	10mm	4	23330	793	24.17	24.30	1.030	-0.01	0.413	0.426
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	4	23330	793	24.92	25.10	1.042	0	0.242	0.252
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	4	23330	793	23.99	24.10	1.026	-0.04	0.199	0.204
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	4	23330	793	24.92	25.10	1.042	-0.01	0.373	0.389
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	4	23330	793	23.99	24.10	1.026	-0.01	0.243	0.249
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Side	10mm	4	23330	793	24.92	25.10	1.042	0	0.204	0.213
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Side	10mm	4	23330	793	23.99	24.10	1.026	0.01	0.175	0.179
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Side	10mm	4	23330	793	24.92	25.10	1.042	-0.1	0.242	0.252
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Side	10mm	4	23330	793	23.99	24.10	1.026	0.02	0.194	0.199
	LTE Band 14_Ant 1	10M	QPSK	1	0	Top Side	10mm	4	23330	793	24.92	25.10	1.042	0.02	0.131	0.137
	LTE Band 14_Ant 1	10M	QPSK	25	0	Top Side	10mm	4	23330	793	23.99	24.10	1.026	0	0.105	0.108

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 25_Ant 2	20M	QPSK	1	0	Front	10mm	4	26340	1880	19.89	20.00	1.026	0.01	0.258	0.265
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	4	26340	1880	19.63	20.00	1.089	0.02	0.208	0.226
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	4	26340	1880	19.89	20.00	1.026	0.01	0.223	0.229
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	4	26340	1880	19.63	20.00	1.089	0.06	0.221	0.241
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Side	10mm	4	26340	1880	19.89	20.00	1.026	0.04	0.047	0.048
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Side	10mm	4	26340	1880	19.63	20.00	1.089	0.01	0.001	0.001
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	26340	1880	19.89	20.00	1.026	-0.02	0.431	0.442
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	26140	1860	19.57	20.00	1.104	0.03	0.382	0.422
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	26590	1905	19.64	20.00	1.086	-0.04	0.437	0.475
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Side	10mm	4	26340	1880	19.63	20.00	1.089	0.08	0.396	0.431
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom Side	10mm	4	26340	1880	19.89	20.00	1.026	-0.02	0.137	0.141
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom Side	10mm	4	26340	1880	19.63	20.00	1.089	-0.05	0.122	0.133
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	4	26340	1880	17.40	18.50	1.288	-0.07	0.306	0.394
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	4	26340	1880	17.22	18.50	1.343	-0.02	0.291	0.391
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	4	26340	1880	17.40	18.50	1.288	0.02	0.287	0.370
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	4	26340	1880	17.22	18.50	1.343	0.15	0.271	0.364
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Side	10mm	4	26340	1880	17.40	18.50	1.288	-0.12	0.065	0.084
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Side	10mm	4	26340	1880	17.22	18.50	1.343	0.11	0.060	0.081
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Side	10mm	4	26340	1880	17.40	18.50	1.288	-0.04	0.015	0.019
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Side	10mm	4	26340	1880	17.22	18.50	1.343	-0.01	0.011	0.015
49	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	26340	1880	17.40	18.50	1.288	-0.05	0.655	0.844
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	26140	1860	17.11	18.50	1.377	0.02	0.583	0.803
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	26590	1905	17.13	18.50	1.371	0.15	0.589	0.807
	LTE Band 25_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	4	26340	1880	17.22	18.50	1.343	0.11	0.579	0.777
	LTE Band 25_Ant 0	20M	QPSK	100	0	Bottom Side	10mm	4	26340	1880	17.11	18.50	1.377	-0.14	0.570	0.785
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	10mm	4	26865	831.5	24.64	25.50	1.219	-0.01	0.514	0.627
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	4	26865	831.5	23.60	24.50	1.230	-0.02	0.431	0.530
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	4	26865	831.5	24.64	25.50	1.219	-0.01	0.515	0.628
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	4	26865	831.5	23.60	24.50	1.230	-0.02	0.431	0.530
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Side	10mm	4	26865	831.5	24.64	25.50	1.219	-0.03	0.537	0.655
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Side	10mm	4	26865	831.5	23.60	24.50	1.230	-0.01	0.431	0.530
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Side	10mm	4	26865	831.5	24.64	25.50	1.219	-0.01	0.195	0.238
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Side	10mm	4	26865	831.5	23.60	24.50	1.230	-0.02	0.160	0.197
50	LTE Band 26_Ant 0	15M	QPSK	1	0	Bottom Side	10mm	4	26865	831.5	24.64	25.50	1.219	-0.01	0.589	0.718
	LTE Band 26_Ant 0	15M	QPSK	36	0	Bottom Side	10mm	4	26865	831.5	23.60	24.50	1.230	0	0.491	0.604
	LTE Band 5B_Ant 0	10M	QPSK	1	0	Bottom Side	10mm	4	20600+20501	844	22.91	23.80	1.227	0.06	0.484	0.594
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	4	26865	831.5	24.57	25.10	1.130	0.01	0.271	0.306
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	4	26865	831.5	23.67	24.10	1.104	0.01	0.215	0.237
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	4	26865	831.5	24.57	25.10	1.130	0.17	0.376	0.425
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	4	26865	831.5	23.67	24.10	1.104	-0.03	0.302	0.333
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Side	10mm	4	26865	831.5	24.57	25.10	1.130	0.02	0.163	0.184
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Side	10mm	4	26865	831.5	23.67	24.10	1.104	0.01	0.130	0.144
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Side	10mm	4	26865	831.5	24.57	25.10	1.130	0.05	0.285	0.322
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Side	10mm	4	26865	831.5	23.67	24.10	1.104	0.06	0.227	0.251
	LTE Band 26_Ant 1	15M	QPSK	1	0	Top Side	10mm	4	26865	831.5	24.57	25.10	1.130	0.08	0.175	0.198
	LTE Band 26_Ant 1	15M	QPSK	36	0	Top Side	10mm	4	26865	831.5	23.67	24.10	1.104	0.1	0.139	0.153
	LTE Band 5B_Ant 1	10M	QPSK	1	49	Back	10mm	4	20450+20549	829	22.70	23.90	1.318	-0.12	0.316	0.417

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 30_Ant 2	10M	QPSK	1	0	Front	10mm	4	27710	2310	18.85	19.90	1.274	-0.03	0.287	0.365
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	4	27710	2310	18.92	19.90	1.253	0.15	0.285	0.357
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	4	27710	2310	18.85	19.90	1.274	0	0.235	0.299
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	4	27710	2310	18.92	19.90	1.253	-0.08	0.225	0.282
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Side	10mm	4	27710	2310	18.85	19.90	1.274	-0.13	0.014	0.018
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Side	10mm	4	27710	2310	18.92	19.90	1.253	0.01	0.011	0.014
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Side	10mm	4	27710	2310	18.85	19.90	1.274	-0.02	0.360	0.458
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Side	10mm	4	27710	2310	18.92	19.90	1.253	0.05	0.356	0.446
	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom Side	10mm	4	27710	2310	18.85	19.90	1.274	0.11	0.081	0.103
	LTE Band 30_Ant 2	10M	QPSK	25	0	Bottom Side	10mm	4	27710	2310	18.92	19.90	1.253	-0.08	0.080	0.100
	LTE Band 30_Ant 0	10M	QPSK	1	49	Front	10mm	4	27710	2310	16.42	17.40	1.253	-0.1	0.349	0.437
	LTE Band 30_Ant 0	10M	QPSK	25	25	Front	10mm	4	27710	2310	16.43	17.40	1.250	0.12	0.348	0.435
	LTE Band 30_Ant 0	10M	QPSK	1	49	Back	10mm	4	27710	2310	16.42	17.40	1.253	-0.11	0.300	0.376
	LTE Band 30_Ant 0	10M	QPSK	25	25	Back	10mm	4	27710	2310	16.43	17.40	1.250	-0.08	0.295	0.369
	LTE Band 30_Ant 0	10M	QPSK	1	49	Left Side	10mm	4	27710	2310	16.42	17.40	1.253	-0.06	0.065	0.081
	LTE Band 30_Ant 0	10M	QPSK	25	25	Left Side	10mm	4	27710	2310	16.43	17.40	1.250	-0.06	0.064	0.080
	LTE Band 30_Ant 0	10M	QPSK	1	49	Right Side	10mm	4	27710	2310	16.42	17.40	1.253	-0.15	0.020	0.025
	LTE Band 30_Ant 0	10M	QPSK	25	25	Right Side	10mm	4	27710	2310	16.43	17.40	1.250	-0.15	0.017	0.021
51	LTE Band 30_Ant 0	10M	QPSK	1	49	Bottom Side	10mm	4	27710	2310	16.42	17.40	1.253	0.01	0.663	0.831
	LTE Band 30_Ant 0	10M	QPSK	25	25	Bottom Side	10mm	4	27710	2310	16.43	17.40	1.250	0.06	0.656	0.820
	LTE Band 30_Ant 0	10M	QPSK	50	0	Bottom Side	10mm	4	27710	2310	16.43	17.40	1.250	0.05	0.657	0.821

Plot No.	Band	BW (MHz)	Mo dulation	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	Front	10mm	4	132572	1770	20.84	21.30	1.112	-0.01	0.317	0.352
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	4	132572	1770	20.72	21.30	1.143	0.02	0.264	0.302
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	4	132572	1770	20.84	21.30	1.112	-0.07	0.345	0.384
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	4	132572	1770	20.72	21.30	1.143	0.02	0.333	0.381
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Side	10mm	4	132572	1770	20.84	21.30	1.112	0.1	0.064	0.071
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Side	10mm	4	132572	1770	20.72	21.30	1.143	0	0.001	0.001
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	132572	1770	20.84	21.30	1.112	-0.01	0.468	0.520
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	132072	1720	20.51	21.30	1.199	0	0.339	0.407
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	132322	1745	20.61	21.30	1.172	0.01	0.376	0.441
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Side	10mm	4	132572	1770	20.72	21.30	1.143	-0.07	0.383	0.438
	LTE Band 66_Ant 2	20M	QPSK	1	0	Bottom Side	10mm	4	132572	1770	20.84	21.30	1.112	0.02	0.240	0.267
	LTE Band 66_Ant 2	20M	QPSK	50	0	Bottom Side	10mm	4	132572	1770	20.72	21.30	1.143	-0.08	0.188	0.215
	LTE 66B_Ant 2	15M	QPSK	1	74	Right Side	10mm	4	132047+132140	1717.5	19.07	19.70	1.156	0.02	0.302	0.349
	LTE 66C_Ant 2	20M	QPSK	1	99	Right Side	10mm	4	132072+132270	1720	19.11	19.70	1.146	0.04	0.311	0.356
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	4	132322	1745	17.82	18.80	1.253	0.01	0.301	0.377
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	4	132322	1745	17.89	18.80	1.233	-0.03	0.292	0.360
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	4	132322	1745	17.82	18.80	1.253	0.09	0.294	0.368
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	4	132322	1745	17.89	18.80	1.233	-0.06	0.284	0.350
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Side	10mm	4	132322	1745	17.82	18.80	1.253	0.09	0.108	0.135
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Side	10mm	4	132322	1745	17.89	18.80	1.233	0.03	0.095	0.117
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Side	10mm	4	132322	1745	17.82	18.80	1.253	0.03	0.031	0.039
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Side	10mm	4	132322	1745	17.89	18.80	1.233	0.01	0.028	0.035
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	132322	1745	17.82	18.80	1.253	0.06	0.487	0.610
52	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	132072	1720	17.81	18.80	1.256	0	0.544	0.683
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	132572	1770	17.78	18.80	1.265	-0.05	0.499	0.631
	LTE Band 66_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	4	132322	1745	17.89	18.80	1.233	-0.12	0.478	0.589
	LTE 66B_Ant 0	15M	QPSK	1	74	Bottom Side	10mm	4	132047+132140	1717.5	17.20	18.00	1.202	0.06	0.409	0.492
	LTE 66C_Ant 0	20M	QPSK	1	99	Bottom Side	10mm	4	132072+132270	1720	16.73	18.00	1.340	0.08	0.412	0.552
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	4	132322	1745	21.18	22.20	1.265	-0.14	0.224	0.283
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	4	132322	1745	21.25	22.20	1.245	0.12	0.225	0.280
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	4	132322	1745	21.18	22.20	1.265	0.09	0.224	0.283
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	4	132322	1745	21.25	22.20	1.245	-0.13	0.229	0.285
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	4	132322	1745	21.18	22.20	1.265	-0.19	0.074	0.094
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Side	10mm	4	132322	1745	21.25	22.20	1.245	-0.13	0.074	0.092
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Side	10mm	4	132322	1745	21.18	22.20	1.265	0.05	0.001	0.001
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Side	10mm	4	132322	1745	21.25	22.20	1.245	-0.12	0.001	0.001
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Side	10mm	4	132322	1745	21.18	22.20	1.265	0.07	0.399	0.505
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Side	10mm	4	132322	1745	21.25	22.20	1.245	0.05	0.409	0.509
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Side	10mm	4	132072	1720	21.20	22.20	1.259	-0.13	0.350	0.441
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Side	10mm	4	132572	1770	21.19	22.20	1.262	-0.02	0.486	0.613
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	4	132072	1720	20.40	20.50	1.023	0.05	0.136	0.139
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	4	132072	1720	20.33	20.50	1.040	-0.06	0.137	0.142
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	4	132072	1720	20.40	20.50	1.023	0.01	0.180	0.184
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	4	132072	1720	20.33	20.50	1.040	-0.16	0.180	0.187
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Side	10mm	4	132072	1720	20.40	20.50	1.023	0.01	0.001	0.001
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Side	10mm	4	132072	1720	20.33	20.50	1.040	-0.11	0.001	0.001
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Side	10mm	4	132072	1720	20.40	20.50	1.023	0.01	0.265	0.271
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Side	10mm	4	132072	1720	20.33	20.50	1.040	-0.12	0.265	0.276
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Side	10mm	4	132322	1745	20.22	20.50	1.067	0.11	0.247	0.263
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Side	10mm	4	132572	1770	20.23	20.50	1.064	0.02	0.283	0.301
	LTE Band 66_Ant 5	20M	QPSK	1	0	Top Side	10mm	4	132072	1720	20.40	20.50	1.023	-0.13	0.001	0.001
	LTE Band 66_Ant 5	20M	QPSK	50	0	Top Side	10mm	4	132072	1720	20.33	20.50	1.040	0.06	0.001	0.001

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	4	133297	680.5	24.71	25.50	1.199	-0.05	0.356	0.427
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	4	133297	680.5	23.82	24.50	1.169	-0.04	0.283	0.331
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	4	133297	680.5	24.71	25.50	1.199	0	0.356	0.427
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	4	133297	680.5	23.82	24.50	1.169	-0.03	0.295	0.345
53	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Side	10mm	4	133297	680.5	24.71	25.50	1.199	0.02	0.400	0.480
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Side	10mm	4	133297	680.5	23.82	24.50	1.169	-0.01	0.339	0.396
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Side	10mm	4	133297	680.5	24.71	25.50	1.199	-0.01	0.209	0.251
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Side	10mm	4	133297	680.5	23.82	24.50	1.169	0.01	0.173	0.202
	LTE Band 71_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	133297	680.5	24.71	25.50	1.199	-0.03	0.371	0.445
	LTE Band 71_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	4	133297	680.5	23.82	24.50	1.169	-0.01	0.325	0.380
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	4	133297	680.5	24.51	25.10	1.146	0.02	0.181	0.207
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	4	133297	680.5	23.59	24.10	1.125	-0.09	0.153	0.172
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	4	133297	680.5	24.51	25.10	1.146	0.01	0.195	0.223
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	4	133297	680.5	23.59	24.10	1.125	-0.05	0.163	0.183
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Side	10mm	4	133297	680.5	24.51	25.10	1.146	-0.02	0.182	0.208
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Side	10mm	4	133297	680.5	23.59	24.10	1.125	-0.01	0.160	0.180
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Side	10mm	4	133297	680.5	24.51	25.10	1.146	0.02	0.112	0.128
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Side	10mm	4	133297	680.5	23.59	24.10	1.125	-0.01	0.097	0.109
	LTE Band 71_Ant 1	20M	QPSK	1	0	Top Side	10mm	4	133297	680.5	24.51	25.10	1.146	-0.05	0.063	0.072
	LTE Band 71_Ant 1	20M	QPSK	50	0	Top Side	10mm	4	133297	680.5	23.59	24.10	1.125	-0.02	0.055	0.062

<TDD 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	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	4	41490	2680	20.92	21.20	1.067	62.9	1.006	0.02	0.321	0.344
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	4	41490	2680	21.01	21.20	1.045	62.9	1.006	0.02	0.350	0.368
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	4	41490	2680	20.92	21.20	1.067	62.9	1.006	-0.03	0.225	0.241
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	4	41490	2680	21.01	21.20	1.045	62.9	1.006	0.02	0.211	0.222
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Side	10mm	4	41490	2680	20.92	21.20	1.067	62.9	1.006	-0.08	0.011	0.012
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Side	10mm	4	41490	2680	21.01	21.20	1.045	62.9	1.006	0.08	0.001	0.001
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	41490	2680	20.92	21.20	1.067	62.9	1.006	-0.06	0.477	0.512
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	39750	2506	20.91	21.20	1.069	62.9	1.006	-0.02	0.546	0.587
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	40185	2549.5	20.83	21.20	1.089	62.9	1.006	0.02	0.508	0.556
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	40620	2593	20.85	21.20	1.084	62.9	1.006	-0.02	0.518	0.565
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	41055	2636.5	20.82	21.20	1.091	62.9	1.006	-0.02	0.507	0.557
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Side	10mm	4	41490	2680	21.01	21.20	1.045	62.9	1.006	-0.03	0.473	0.497
	LTE Band 41_Ant 2	20M	QPSK	100	0	Right Side	10mm	4	41490	2680	20.98	21.20	1.052	62.9	1.006	0.01	0.448	0.474
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom Side	10mm	4	41490	2680	20.92	21.20	1.067	62.9	1.006	-0.02	0.157	0.168
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom Side	10mm	4	41490	2680	21.01	21.20	1.045	62.9	1.006	0.01	0.144	0.151
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	41490	2680	22.49	22.80	1.074	42.9	1.009	0.04	0.411	0.445
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	39750	2506	22.46	22.80	1.081	42.9	1.009	0.09	0.476	0.519
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	40185	2549.5	22.39	22.80	1.099	42.9	1.009	-0.01	0.429	0.476
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	40620	2593	22.36	22.80	1.107	42.9	1.009	0	0.550	0.614
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	41055	2636.5	22.32	22.80	1.117	42.9	1.009	0.07	0.458	0.516
	LTE 41C_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	41490+41292	2680	21.20	21.20	1.000	62.9	1.006	0.02	0.512	0.515
	LTE 38C_Ant 2	20M	QPSK	1	0	Right Side	10mm	4	38000+37802	2595	21.20	21.20	1.000	62.9	1.006	0.02	0.507	0.510
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	4	41490	2680	18.90	19.90	1.259	62.9	1.006	0.01	0.229	0.290
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	4	41490	2680	19.01	19.90	1.227	62.9	1.006	-0.02	0.231	0.285
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	4	41490	2680	18.90	19.90	1.259	62.9	1.006	0.03	0.244	0.309
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	4	41490	2680	19.01	19.90	1.227	62.9	1.006	0.08	0.243	0.300
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Side	10mm	4	41490	2680	18.90	19.90	1.259	62.9	1.006	0.15	0.028	0.035
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Side	10mm	4	41490	2680	19.01	19.90	1.227	62.9	1.006	0.02	0.024	0.030
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Side	10mm	4	41490	2680	18.90	19.90	1.259	62.9	1.006	0.18	0.016	0.020
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Side	10mm	4	41490	2680	19.01	19.90	1.227	62.9	1.006	0.03	0.015	0.019
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	41490	2680	18.90	19.90	1.259	62.9	1.006	0.08	0.452	0.572
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	39750	2506	18.50	19.90	1.380	62.9	1.006	0.02	0.487	0.676
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	40185	2549.5	18.44	19.90	1.400	62.9	1.006	-0.02	0.408	0.574
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	40620	2593	18.54	19.90	1.368	62.9	1.006	0.05	0.382	0.526
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	41055	2636.5	18.60	19.90	1.349	62.9	1.006	0.01	0.420	0.570
	LTE Band 41_Ant 0	20M	QPSK	50	0	Bottom Side	10mm	4	41490	2680	19.01	19.90	1.227	62.9	1.006	0.16	0.409	0.505
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	41055	2636.5	20.08	21.60	1.419	42.9	1.009	-0.17	0.392	0.561
54	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	39750	2506	19.93	21.60	1.469	42.9	1.009	-0.09	0.462	0.685
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	40185	2549.5	19.89	21.60	1.483	42.9	1.009	0.05	0.394	0.589
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	40620	2593	19.95	21.60	1.462	42.9	1.009	-0.04	0.372	0.549
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	41490	2680	20.07	21.60	1.422	42.9	1.009	0.1	0.380	0.545
	LTE 41C_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	41490+41292	2680	18.89	19.20	1.074	62.9	1.006	0.06	0.443	0.479
	LTE 38C_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	4	38150+37952	2610	18.61	19.90	1.346	62.9	1.006	0.02	0.435	0.589

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	4	55830	3609	20.47	20.70	1.054	62.9	1.006	-0.14	0.329	0.349
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	4	55830	3609	20.42	20.70	1.067	62.9	1.006	0.09	0.324	0.348
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	4	55830	3609	20.47	20.70	1.054	62.9	1.006	-0.14	0.256	0.272
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	4	55830	3609	20.42	20.70	1.067	62.9	1.006	0.12	0.237	0.254
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Side	10mm	4	55830	3609	20.47	20.70	1.054	62.9	1.006	0.03	0.622	0.660
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Side	10mm	4	55340	3560	20.17	20.70	1.130	62.9	1.006	-0.07	0.675	0.767
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Side	10mm	4	56150	3641	20.33	20.70	1.089	62.9	1.006	-0.02	0.655	0.718
55	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Side	10mm	4	56640	3690	19.93	20.70	1.194	62.9	1.006	-0.05	0.699	0.840
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Side	10mm	4	55830	3609	20.42	20.70	1.067	62.9	1.006	0.09	0.624	0.670
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Side	10mm	4	55340	3560	20.13	20.70	1.140	62.9	1.006	-0.12	0.680	0.780
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Side	10mm	4	56150	3641	20.26	20.70	1.107	62.9	1.006	0.14	0.657	0.731
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Side	10mm	4	56640	3690	19.84	20.70	1.219	62.9	1.006	0.03	0.639	0.784
	LTE Band 48_Ant 6	20M	QPSK	100	0	Left Side	10mm	4	55830	3609	20.34	20.70	1.086	62.9	1.006	0.08	0.628	0.686
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Side	10mm	4	55830	3609	20.47	20.70	1.054	62.9	1.006	-0.17	0.030	0.032
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Side	10mm	4	55830	3609	20.42	20.70	1.067	62.9	1.006	-0.03	0.022	0.024
	LTE Band 48_Ant 6	20M	QPSK	1	0	Bottom Side	10mm	4	55830	3609	20.47	20.70	1.054	62.9	1.006	-0.01	0.109	0.116
	LTE Band 48_Ant 6	20M	QPSK	50	0	Bottom Side	10mm	4	55830	3609	20.42	20.70	1.067	62.9	1.006	0.04	0.101	0.108
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	4	55830	3609	22.28	22.40	1.028	62.9	1.006	0.09	0.297	0.307
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	4	55830	3609	22.18	22.40	1.052	62.9	1.006	0.13	0.288	0.305
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	4	55830	3609	22.28	22.40	1.028	62.9	1.006	0.02	0.266	0.275
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	4	55830	3609	22.18	22.40	1.052	62.9	1.006	0.03	0.257	0.272
	LTE Band 48_Ant 7	20M	QPSK	1	0	Left Side	10mm	4	55830	3609	22.28	22.40	1.028	62.9	1.006	-0.05	0.030	0.031
	LTE Band 48_Ant 7	20M	QPSK	50	0	Left Side	10mm	4	55830	3609	22.18	22.40	1.052	62.9	1.006	0.01	0.001	0.001
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Side	10mm	4	55830	3609	22.28	22.40	1.028	62.9	1.006	-0.05	0.274	0.283
	LTE Band 48_Ant 7	20M	QPSK	50	0	Right Side	10mm	4	55830	3609	22.18	22.40	1.052	62.9	1.006	0.02	0.267	0.283
	LTE Band 48_Ant 7	20M	QPSK	1	0	Bottom Side	10mm	4	55830	3609	22.28	22.40	1.028	62.9	1.006	0.01	0.704	0.728
	LTE Band 48_Ant 7	20M	QPSK	1	0	Bottom Side	10mm	4	55340	3560	22.01	22.40	1.094	62.9	1.006	-0.08	0.455	0.501
	LTE Band 48_Ant 7	20M	QPSK	1	0	Bottom Side	10mm	4	56150	3641	22.09	22.40	1.074	62.9	1.006	-0.07	0.576	0.622
	LTE Band 48_Ant 7	20M	QPSK	1	0	Bottom Side	10mm	4	56640	3690	21.75	22.40	1.161	62.9	1.006	-0.17	0.446	0.521
	LTE Band 48_Ant 7	20M	QPSK	50	0	Bottom Side	10mm	4	55830	3609	22.18	22.40	1.052	62.9	1.006	-0.11	0.605	0.640
	LTE Band 48_Ant 7	20M	QPSK	50	0	Bottom Side	10mm	4	55340	3560	21.96	22.40	1.107	62.9	1.006	0.13	0.452	0.503
	LTE Band 48_Ant 7	20M	QPSK	50	0	Bottom Side	10mm	4	56150	3641	22.01	22.40	1.094	62.9	1.006	0.07	0.571	0.628
	LTE Band 48_Ant 7	20M	QPSK	50	0	Bottom Side	10mm	4	56640	3690	21.73	22.40	1.167	62.9	1.006	0.02	0.439	0.515
	LTE Band 48_Ant 7	20M	QPSK	100	0	Bottom Side	10mm	4	55830	3609	22.11	22.40	1.069	62.9	1.006	0.1	0.616	0.662

<5G NR SAR>

Plot No.	Band	BW (MHz)	Mo dulation	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 1	20M	BPSK	1	53	Front	10mm	4	376000	1880	20.65	21.20	1.135	-0.15	0.367	0.417
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	4	376000	1880	20.60	21.20	1.148	0.07	0.357	0.410
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	4	376000	1880	20.65	21.20	1.135	-0.17	0.378	0.429
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	4	376000	1880	20.60	21.20	1.148	0.03	0.371	0.426
	FR1 n2_Ant 1	20M	BPSK	1	53	Left Side	10mm	4	376000	1880	20.65	21.20	1.135	0.01	0.061	0.069
	FR1 n2_Ant 1	20M	BPSK	50	28	Left Side	10mm	4	376000	1880	20.60	21.20	1.148	-0.12	0.057	0.065
	FR1 n2_Ant 1	20M	BPSK	1	53	Right Side	10mm	4	376000	1880	20.65	21.20	1.135	0.06	0.001	0.001
	FR1 n2_Ant 1	20M	BPSK	50	28	Right Side	10mm	4	376000	1880	20.60	21.20	1.148	-0.08	0.001	0.001
	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	10mm	4	376000	1880	20.65	21.20	1.135	0.09	0.523	0.594
	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	10mm	4	372000	1860	20.54	21.20	1.164	-0.13	0.427	0.497
56	FR1 n2_Ant 1	20M	BPSK	1	53	Top Side	10mm	4	380000	1900	20.63	21.20	1.140	-0.03	0.580	0.661
	FR1 n2_Ant 1	20M	BPSK	50	28	Top Side	10mm	4	376000	1880	20.60	21.20	1.148	0.05	0.511	0.587
	FR1 n2_Ant 5	20M	BPSK	1	1	Front	10mm	4	376000	1880	20.38	21.20	1.208	0.01	0.204	0.246
	FR1 n2_Ant 5	20M	BPSK	50	0	Front	10mm	4	376000	1880	20.36	21.20	1.213	-0.12	0.208	0.252
	FR1 n2_Ant 5	20M	BPSK	1	1	Back	10mm	4	376000	1880	20.38	21.20	1.208	-0.09	0.274	0.331
	FR1 n2_Ant 5	20M	BPSK	50	0	Back	10mm	4	376000	1880	20.36	21.20	1.213	-0.05	0.279	0.339
	FR1 n2_Ant 5	20M	BPSK	1	1	Left Side	10mm	4	376000	1880	20.38	21.20	1.208	-0.02	0.001	0.001
	FR1 n2_Ant 5	20M	BPSK	50	0	Left Side	10mm	4	376000	1880	20.36	21.20	1.213	-0.01	0.001	0.001
	FR1 n2_Ant 5	20M	BPSK	1	1	Right Side	10mm	4	376000	1880	20.38	21.20	1.208	0.01	0.371	0.448
	FR1 n2_Ant 5	20M	BPSK	50	0	Right Side	10mm	4	376000	1880	20.36	21.20	1.213	-0.13	0.373	0.453
	FR1 n2_Ant 5	20M	BPSK	50	0	Right Side	10mm	4	372000	1860	20.34	21.20	1.219	0.06	0.328	0.400
	FR1 n2_Ant 5	20M	BPSK	50	0	Right Side	10mm	4	380000	1900	20.35	21.20	1.216	-0.04	0.541	0.658
	FR1 n2_Ant 5	20M	BPSK	1	1	Top Side	10mm	4	376000	1880	20.38	21.20	1.208	0.09	0.001	0.001
	FR1 n2_Ant 5	20M	BPSK	50	0	Top Side	10mm	4	376000	1880	20.36	21.20	1.213	-0.12	0.001	0.001
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	4	507000	2535	18.97	19.90	1.239	0.04	0.376	0.466
	FR1 n7_Ant 2	50M	BPSK	135	0	Front	10mm	4	507000	2535	18.91	19.90	1.256	0.07	0.328	0.412
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	4	507000	2535	18.97	19.90	1.239	0.03	0.442	0.548
	FR1 n7_Ant 2	50M	BPSK	135	0	Back	10mm	4	507000	2535	18.91	19.90	1.256	0.08	0.426	0.535
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Side	10mm	4	507000	2535	18.97	19.90	1.239	-0.08	0.028	0.035
	FR1 n7_Ant 2	50M	BPSK	135	0	Left Side	10mm	4	507000	2535	18.91	19.90	1.256	0.04	0.023	0.029
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Side	10mm	4	507000	2535	18.97	19.90	1.239	0.08	0.561	0.695
	FR1 n7_Ant 2	50M	BPSK	135	0	Right Side	10mm	4	507000	2535	18.91	19.90	1.256	-0.06	0.501	0.629
	FR1 n7_Ant 2	50M	BPSK	1	1	Bottom Side	10mm	4	507000	2535	18.97	19.90	1.239	0	0.114	0.141
	FR1 n7_Ant 2	50M	BPSK	135	0	Bottom Side	10mm	4	507000	2535	18.91	19.90	1.256	0.15	0.103	0.129
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	4	507000	2535	17.52	18.60	1.282	-0.07	0.404	0.518
	FR1 n7_Ant 0	50M	BPSK	135	0	Front	10mm	4	507000	2535	17.47	18.60	1.297	-0.01	0.415	0.538
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	4	507000	2535	17.52	18.60	1.282	-0.02	0.289	0.371
	FR1 n7_Ant 0	50M	BPSK	135	0	Back	10mm	4	507000	2535	17.47	18.60	1.297	-0.06	0.390	0.506
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Side	10mm	4	507000	2535	17.52	18.60	1.282	-0.11	0.049	0.063
	FR1 n7_Ant 0	50M	BPSK	135	0	Left Side	10mm	4	507000	2535	17.47	18.60	1.297	-0.1	0.041	0.053
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Side	10mm	4	507000	2535	17.52	18.60	1.282	-0.1	0.026	0.033
	FR1 n7_Ant 0	50M	BPSK	135	0	Right Side	10mm	4	507000	2535	17.47	18.60	1.297	-0.05	0.018	0.023
57	FR1 n7_Ant 0	50M	BPSK	1	1	Bottom Side	10mm	4	507000	2535	17.52	18.60	1.282	-0.01	0.628	0.805
	FR1 n7_Ant 0	50M	BPSK	135	0	Bottom Side	10mm	4	507000	2535	17.47	18.60	1.297	-0.03	0.590	0.765
	FR1 n7_Ant 0	50M	BPSK	270	0	Bottom Side	10mm	4	507000	2535	17.32	18.60	1.343	-0.01	0.446	0.599

Plot No.	Band	BW (MHz)	Mo dulation	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 n12_Ant 0	15M	BPSK	1	1	Front	10mm	4	141500	707.5	24.66	25.50	1.213	-0.01	0.387	0.470
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	10mm	4	141500	707.5	24.61	25.50	1.227	-0.05	0.402	0.493
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	10mm	4	141500	707.5	24.66	25.50	1.213	-0.04	0.408	0.495
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	10mm	4	141500	707.5	24.61	25.50	1.227	-0.02	0.402	0.493
58	FR1 n12_Ant 0	15M	BPSK	1	1	Left Side	10mm	4	141500	707.5	24.66	25.50	1.213	0.01	0.450	0.546
	FR1 n12_Ant 0	15M	BPSK	36	22	Left Side	10mm	4	141500	707.5	24.61	25.50	1.227	-0.04	0.319	0.392
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Side	10mm	4	141500	707.5	24.66	25.50	1.213	0.02	0.222	0.269
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Side	10mm	4	141500	707.5	24.61	25.50	1.227	0.06	0.141	0.173
	FR1 n12_Ant 0	15M	BPSK	1	1	Bottom Side	10mm	4	141500	707.5	24.66	25.50	1.213	-0.03	0.410	0.497
	FR1 n12_Ant 0	15M	BPSK	36	22	Bottom Side	10mm	4	141500	707.5	24.61	25.50	1.227	-0.01	0.409	0.502
	FR1 n12_Ant 1	15M	BPSK	1	77	Front	10mm	4	141500	707.5	24.84	25.10	1.062	-0.07	0.206	0.219
	FR1 n12_Ant 1	15M	BPSK	36	22	Front	10mm	4	141500	707.5	24.72	25.10	1.091	0.04	0.200	0.218
	FR1 n12_Ant 1	15M	BPSK	1	77	Back	10mm	4	141500	707.5	24.84	25.10	1.062	0	0.227	0.241
	FR1 n12_Ant 1	15M	BPSK	36	22	Back	10mm	4	141500	707.5	24.72	25.10	1.091	-0.14	0.193	0.211
	FR1 n12_Ant 1	15M	BPSK	1	77	Left Side	10mm	4	141500	707.5	24.84	25.10	1.062	-0.02	0.189	0.201
	FR1 n12_Ant 1	15M	BPSK	36	22	Left Side	10mm	4	141500	707.5	24.72	25.10	1.091	-0.09	0.177	0.193
	FR1 n12_Ant 1	15M	BPSK	1	77	Right Side	10mm	4	141500	707.5	24.84	25.10	1.062	-0.02	0.216	0.229
	FR1 n12_Ant 1	15M	BPSK	36	22	Right Side	10mm	4	141500	707.5	24.72	25.10	1.091	0.05	0.185	0.202
	FR1 n12_Ant 1	15M	BPSK	1	77	Top Side	10mm	4	141500	707.5	24.84	25.10	1.062	-0.03	0.101	0.107
	FR1 n12_Ant 1	15M	BPSK	36	22	Top Side	10mm	4	141500	707.5	24.72	25.10	1.091	-0.01	0.092	0.100
	FR1 n25_Ant 2	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	20.29	21.20	1.233	-0.04	0.268	0.330
	FR1 n25_Ant 2	40M	BPSK	108	0	Front	10mm	4	376500	1882.5	20.24	21.20	1.247	0.06	0.234	0.292
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	20.29	21.20	1.233	0.01	0.407	0.502
	FR1 n25_Ant 2	40M	BPSK	108	0	Back	10mm	4	376500	1882.5	20.24	21.20	1.247	0.09	0.402	0.501
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Side	10mm	4	376500	1882.5	20.29	21.20	1.233	-0.15	0.063	0.078
	FR1 n25_Ant 2	40M	BPSK	108	0	Left Side	10mm	4	376500	1882.5	20.24	21.20	1.247	-0.02	0.058	0.072
	FR1 n25_Ant 2	40M	BPSK	1	1	Right Side	10mm	4	376500	1882.5	20.29	21.20	1.233	0.02	0.462	0.570
	FR1 n25_Ant 2	40M	BPSK	108	0	Right Side	10mm	4	376500	1882.5	20.24	21.20	1.247	0.16	0.428	0.534
	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom Side	10mm	4	376500	1882.5	20.29	21.20	1.233	-0.04	0.168	0.207
	FR1 n25_Ant 2	40M	BPSK	108	0	Bottom Side	10mm	4	376500	1882.5	20.24	21.20	1.247	-0.08	0.157	0.196
	FR1 n25_Ant 0	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	18.20	18.20	1.000	-0.01	0.550	0.550
	FR1 n25_Ant 0	40M	BPSK	108	0	Front	10mm	4	376500	1882.5	18.20	18.20	1.000	0.07	0.529	0.529
	FR1 n25_Ant 0	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	18.20	18.20	1.000	0.05	0.449	0.449
	FR1 n25_Ant 0	40M	BPSK	108	0	Back	10mm	4	376500	1882.5	18.20	18.20	1.000	-0.01	0.441	0.441
	FR1 n25_Ant 0	40M	BPSK	1	1	Left Side	10mm	4	376500	1882.5	18.20	18.20	1.000	-0.05	0.101	0.101
	FR1 n25_Ant 0	40M	BPSK	108	0	Left Side	10mm	4	376500	1882.5	18.20	18.20	1.000	0.02	0.092	0.092
	FR1 n25_Ant 0	40M	BPSK	1	1	Right Side	10mm	4	376500	1882.5	18.20	18.20	1.000	0.02	0.024	0.024
	FR1 n25_Ant 0	40M	BPSK	108	0	Right Side	10mm	4	376500	1882.5	18.20	18.20	1.000	-0.04	0.021	0.021
59	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Side	10mm	4	376500	1882.5	18.20	18.20	1.000	0	0.846	0.846
	FR1 n25_Ant 0	40M	BPSK	108	0	Bottom Side	10mm	4	376500	1882.5	18.20	18.20	1.000	-0.09	0.822	0.822
	FR1 n25_Ant 0	40M	BPSK	216	0	Bottom Side	10mm	4	376500	1882.5	18.20	18.20	1.000	0.04	0.834	0.834

Plot No.	Band	BW (MHz)	Mo dulation	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 n26_Ant 0	20M	BPSK	1	1	Front	10mm	4	166300	831.5	24.60	25.10	1.122	-0.09	0.604	0.678
	FR1 n26_Ant 0	20M	BPSK	50	28	Front	10mm	4	166300	831.5	24.52	25.10	1.143	-0.02	0.592	0.677
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	10mm	4	166300	831.5	24.60	25.10	1.122	-0.04	0.560	0.628
	FR1 n26_Ant 0	20M	BPSK	50	28	Back	10mm	4	166300	831.5	24.52	25.10	1.143	-0.07	0.558	0.638
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Side	10mm	4	166300	831.5	24.60	25.10	1.122	0.01	0.621	0.697
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Side	10mm	4	166300	831.5	24.52	25.10	1.143	0.04	0.614	0.702
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Side	10mm	4	166300	831.5	24.60	25.10	1.122	0	0.227	0.255
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Side	10mm	4	166300	831.5	24.52	25.10	1.143	-0.08	0.202	0.231
60	FR1 n26_Ant 0	20M	BPSK	1	1	Bottom Side	10mm	4	166300	831.5	24.60	25.10	1.122	-0.01	0.704	0.790
	FR1 n26_Ant 0	20M	BPSK	50	28	Bottom Side	10mm	4	166300	831.5	24.52	25.10	1.143	-0.06	0.655	0.749
	FR1 n26_Ant 1	20M	BPSK	1	104	Front	10mm	4	166300	831.5	24.81	25.10	1.069	0	0.285	0.305
	FR1 n26_Ant 1	20M	BPSK	50	28	Front	10mm	4	166300	831.5	24.75	25.10	1.084	-0.05	0.261	0.283
	FR1 n26_Ant 1	20M	BPSK	1	104	Back	10mm	4	166300	831.5	24.81	25.10	1.069	0	0.417	0.446
	FR1 n26_Ant 1	20M	BPSK	50	28	Back	10mm	4	166300	831.5	24.75	25.10	1.084	-0.06	0.402	0.436
	FR1 n26_Ant 1	20M	BPSK	1	104	Left Side	10mm	4	166300	831.5	24.81	25.10	1.069	0.03	0.111	0.119
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Side	10mm	4	166300	831.5	24.75	25.10	1.084	-0.08	0.102	0.111
	FR1 n26_Ant 1	20M	BPSK	1	104	Right Side	10mm	4	166300	831.5	24.81	25.10	1.069	0.01	0.262	0.280
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Side	10mm	4	166300	831.5	24.75	25.10	1.084	0.04	0.247	0.268
	FR1 n26_Ant 1	20M	BPSK	1	104	Top Side	10mm	4	166300	831.5	24.81	25.10	1.069	0.03	0.237	0.253
	FR1 n26_Ant 1	20M	BPSK	50	28	Top Side	10mm	4	166300	831.5	24.75	25.10	1.084	-0.01	0.228	0.247
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	4	462000	2310	18.42	19.40	1.253	-0.01	0.254	0.318
	FR1 n30_Ant 2	10M	BPSK	25	0	Front	10mm	4	462000	2310	18.41	19.40	1.256	0.06	0.233	0.293
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	4	462000	2310	18.42	19.40	1.253	0.1	0.271	0.340
	FR1 n30_Ant 2	10M	BPSK	25	0	Back	10mm	4	462000	2310	18.41	19.40	1.256	0.03	0.254	0.319
	FR1 n30_Ant 2	10M	BPSK	1	1	Left Side	10mm	4	462000	2310	18.42	19.40	1.253	-0.12	0.013	0.016
	FR1 n30_Ant 2	10M	BPSK	25	0	Left Side	10mm	4	462000	2310	18.41	19.40	1.256	0.08	0.011	0.014
	FR1 n30_Ant 2	10M	BPSK	1	1	Right Side	10mm	4	462000	2310	18.42	19.40	1.253	0	0.363	0.455
	FR1 n30_Ant 2	10M	BPSK	25	0	Right Side	10mm	4	462000	2310	18.41	19.40	1.256	-0.02	0.304	0.382
	FR1 n30_Ant 2	10M	BPSK	1	1	Bottom Side	10mm	4	462000	2310	18.42	19.40	1.253	-0.08	0.084	0.105
	FR1 n30_Ant 2	10M	BPSK	25	0	Bottom Side	10mm	4	462000	2310	18.41	19.40	1.256	-0.05	0.084	0.106
	FR1 n30_Ant 0	10M	BPSK	1	26	Front	10mm	4	462000	2310	15.76	16.90	1.300	0.04	0.402	0.523
	FR1 n30_Ant 0	10m	BPSK	25	0	Front	10mm	4	462000	2310	15.65	16.90	1.334	-0.01	0.356	0.475
	FR1 n30_Ant 0	10M	BPSK	1	26	Back	10mm	4	462000	2310	15.76	16.90	1.300	-0.01	0.322	0.419
	FR1 n30_Ant 0	10m	BPSK	25	0	Back	10mm	4	462000	2310	15.65	16.90	1.334	0.07	0.293	0.391
	FR1 n30_Ant 0	10M	BPSK	1	26	Left Side	10mm	4	462000	2310	15.76	16.90	1.300	-0.03	0.062	0.081
	FR1 n30_Ant 0	10m	BPSK	25	0	Left Side	10mm	4	462000	2310	15.65	16.90	1.334	0.11	0.055	0.073
	FR1 n30_Ant 0	10M	BPSK	1	26	Right Side	10mm	4	462000	2310	15.76	16.90	1.300	-0.03	0.020	0.026
	FR1 n30_Ant 0	10m	BPSK	25	0	Right Side	10mm	4	462000	2310	15.65	16.90	1.334	0.16	0.013	0.017
61	FR1 n30_Ant 0	10M	BPSK	1	26	Bottom Side	10mm	4	462000	2310	15.76	16.90	1.300	0.02	0.641	0.833
	FR1 n30_Ant 0	10m	BPSK	25	0	Bottom Side	10mm	4	462000	2310	15.65	16.90	1.334	-0.02	0.591	0.788
	FR1 n30_Ant 0	10m	BPSK	50	0	Bottom Side	10mm	4	462000	2310	15.65	16.90	1.334	-0.07	0.588	0.784

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	4	349000	1745	20.56	21.50	1.242	0.02	0.251	0.312
	FR1 n66_Ant 2	40M	BPSK	108	0	Front	10mm	4	349000	1745	20.55	21.50	1.245	0.01	0.248	0.309
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	4	349000	1745	20.56	21.50	1.242	0.04	0.338	0.420
	FR1 n66_Ant 2	40M	BPSK	108	0	Back	10mm	4	349000	1745	20.55	21.50	1.245	0.06	0.336	0.418
	FR1 n66_Ant 2	40M	BPSK	1	1	Left Side	10mm	4	349000	1745	20.56	21.50	1.242	-0.11	0.058	0.072
	FR1 n66_Ant 2	40M	BPSK	108	0	Left Side	10mm	4	349000	1745	20.55	21.50	1.245	-0.1	0.062	0.077
	FR1 n66_Ant 2	40M	BPSK	1	1	Right Side	10mm	4	349000	1745	20.56	21.50	1.242	-0.03	0.388	0.482
	FR1 n66_Ant 2	40M	BPSK	108	0	Right Side	10mm	4	349000	1745	20.55	21.50	1.245	-0.05	0.351	0.437
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom Side	10mm	4	349000	1745	20.56	21.50	1.242	-0.01	0.229	0.284
	FR1 n66_Ant 2	40M	BPSK	108	0	Bottom Side	10mm	4	349000	1745	20.55	21.50	1.245	-0.03	0.232	0.289
	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	4	349000	1745	17.85	18.10	1.059	0.01	0.416	0.441
	FR1 n66_Ant 0	40M	BPSK	108	0	Front	10mm	4	349000	1745	17.76	18.10	1.081	0.05	0.346	0.374
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	4	349000	1745	17.85	18.10	1.059	-0.01	0.413	0.437
	FR1 n66_Ant 0	40M	BPSK	108	0	Back	10mm	4	349000	1745	17.76	18.10	1.081	-0.04	0.330	0.357
	FR1 n66_Ant 0	40M	BPSK	1	108	Left Side	10mm	4	349000	1745	17.85	18.10	1.059	-0.02	0.124	0.131
	FR1 n66_Ant 0	40M	BPSK	108	0	Left Side	10mm	4	349000	1745	17.76	18.10	1.081	-0.01	0.107	0.116
	FR1 n66_Ant 0	40M	BPSK	1	108	Right Side	10mm	4	349000	1745	17.85	18.10	1.059	0.02	0.027	0.029
	FR1 n66_Ant 0	40M	BPSK	108	0	Right Side	10mm	4	349000	1745	17.76	18.10	1.081	0.04	0.032	0.035
	FR1 n66_Ant 0	40M	BPSK	1	108	Bottom Side	10mm	4	349000	1745	17.85	18.10	1.059	-0.12	0.762	0.807
62	FR1 n66_Ant 0	40M	BPSK	108	0	Bottom Side	10mm	4	349000	1745	17.76	18.10	1.081	-0.03	0.749	0.810
	FR1 n66_Ant 0	40M	BPSK	216	0	Bottom Side	10mm	4	349000	1745	17.64	18.10	1.112	0.06	0.671	0.746
	FR1 n66_Ant 1	40M	BPSK	1	108	Front	10mm	4	349000	1745	22.27	22.70	1.104	-0.01	0.181	0.200
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	10mm	4	349000	1745	22.23	22.70	1.114	-0.18	0.176	0.196
	FR1 n66_Ant 1	40M	BPSK	1	108	Back	10mm	4	349000	1745	22.27	22.70	1.104	-0.18	0.183	0.202
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	10mm	4	349000	1745	22.23	22.70	1.114	0.09	0.180	0.201
	FR1 n66_Ant 1	40M	BPSK	1	108	Left Side	10mm	4	349000	1745	22.27	22.70	1.104	0.01	0.053	0.059
	FR1 n66_Ant 1	40M	BPSK	108	0	Left Side	10mm	4	349000	1745	22.23	22.70	1.114	-0.12	0.055	0.061
	FR1 n66_Ant 1	40M	BPSK	1	108	Right Side	10mm	4	349000	1745	22.27	22.70	1.104	0.09	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Side	10mm	4	349000	1745	22.23	22.70	1.114	-0.13	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	1	108	Top Side	10mm	4	349000	1745	22.27	22.70	1.104	-0.02	0.412	0.455
	FR1 n66_Ant 1	40M	BPSK	108	0	Top Side	10mm	4	349000	1745	22.23	22.70	1.114	0.05	0.407	0.454
	FR1 n66_Ant 5	40M	BPSK	1	1	Front	10mm	4	349000	1745	20.79	21.00	1.050	-0.11	0.132	0.139
	FR1 n66_Ant 5	40M	BPSK	108	0	Front	10mm	4	349000	1745	20.78	21.00	1.052	-0.14	0.137	0.144
	FR1 n66_Ant 5	40M	BPSK	1	1	Back	10mm	4	349000	1745	20.79	21.00	1.050	0.04	0.190	0.199
	FR1 n66_Ant 5	40M	BPSK	108	0	Back	10mm	4	349000	1745	20.78	21.00	1.052	-0.16	0.194	0.204
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Side	10mm	4	349000	1745	20.79	21.00	1.050	-0.12	0.001	0.001
	FR1 n66_Ant 5	40M	BPSK	108	0	Left Side	10mm	4	349000	1745	20.78	21.00	1.052	0.06	0.001	0.001
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Side	10mm	4	349000	1745	20.79	21.00	1.050	-0.12	0.296	0.311
	FR1 n66_Ant 5	40M	BPSK	108	0	Right Side	10mm	4	349000	1745	20.78	21.00	1.052	-0.01	0.306	0.322
	FR1 n66_Ant 5	40M	BPSK	1	1	Top Side	10mm	4	349000	1745	20.79	21.00	1.050	0.07	0.001	0.001
	FR1 n66_Ant 5	40M	BPSK	108	0	Top Side	10mm	4	349000	1745	20.78	21.00	1.052	-0.17	0.001	0.001

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 n70_Ant 2	15M	BPSK	1	1	Front	10mm	4	340500	1702.5	20.85	21.80	1.245	0.02	0.215	0.268
	FR1 n70_Ant 2	15M	BPSK	36	0	Front	10mm	4	340500	1702.5	20.87	21.80	1.239	0.05	0.239	0.296
	FR1 n70_Ant 2	15M	BPSK	1	1	Back	10mm	4	340500	1702.5	20.85	21.80	1.245	0.04	0.269	0.335
	FR1 n70_Ant 2	15M	BPSK	36	0	Back	10mm	4	340500	1702.5	20.87	21.80	1.239	0.02	0.321	0.398
	FR1 n70_Ant 2	15M	BPSK	1	1	Left Side	10mm	4	340500	1702.5	20.85	21.80	1.245	-0.06	0.041	0.051
	FR1 n70_Ant 2	15M	BPSK	36	0	Left Side	10mm	4	340500	1702.5	20.87	21.80	1.239	-0.09	0.046	0.057
	FR1 n70_Ant 2	15M	BPSK	1	1	Right Side	10mm	4	340500	1702.5	20.85	21.80	1.245	-0.02	0.263	0.327
	FR1 n70_Ant 2	15M	BPSK	36	0	Right Side	10mm	4	340500	1702.5	20.87	21.80	1.239	-0.01	0.332	0.411
	FR1 n70_Ant 2	15M	BPSK	1	1	Bottom Side	10mm	4	340500	1702.5	20.85	21.80	1.245	-0.03	0.200	0.249
	FR1 n70_Ant 2	15M	BPSK	36	0	Bottom Side	10mm	4	340500	1702.5	20.87	21.80	1.239	-0.01	0.203	0.251
	FR1 n70_Ant 0	15M	BPSK	1	1	Front	10mm	4	340500	1702.5	18.41	19.00	1.146	0.01	0.355	0.407
	FR1 n70_Ant 0	15M	BPSK	36	22	Front	10mm	4	340500	1702.5	18.40	19.00	1.148	0.06	0.328	0.377
	FR1 n70_Ant 0	15M	BPSK	1	1	Back	10mm	4	340500	1702.5	18.41	19.00	1.146	0.19	0.298	0.341
	FR1 n70_Ant 0	15M	BPSK	36	22	Back	10mm	4	340500	1702.5	18.40	19.00	1.148	0.15	0.293	0.336
	FR1 n70_Ant 0	15M	BPSK	1	1	Left Side	10mm	4	340500	1702.5	18.41	19.00	1.146	0.04	0.094	0.108
	FR1 n70_Ant 0	15M	BPSK	36	22	Left Side	10mm	4	340500	1702.5	18.40	19.00	1.148	0.02	0.105	0.121
	FR1 n70_Ant 0	15M	BPSK	1	1	Right Side	10mm	4	340500	1702.5	18.41	19.00	1.146	-0.04	0.025	0.029
	FR1 n70_Ant 0	15M	BPSK	36	22	Right Side	10mm	4	340500	1702.5	18.40	19.00	1.148	-0.01	0.023	0.026
	FR1 n70_Ant 0	15M	BPSK	1	1	Bottom Side	10mm	4	340500	1702.5	18.41	19.00	1.146	-0.06	0.720	0.825
63	FR1 n70_Ant 0	15M	BPSK	36	22	Bottom Side	10mm	4	340500	1702.5	18.40	19.00	1.148	-0.03	0.738	0.847
	FR1 n70_Ant 0	15M	BPSK	75	0	Bottom Side	10mm	4	340500	1702.5	18.39	19.00	1.151	-0.02	0.683	0.786
	FR1 n71_Ant 0	20M	BPSK	1	1	Front	10mm	4	136100	680.5	24.54	25.50	1.247	-0.01	0.401	0.500
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	4	136100	680.5	24.50	25.50	1.259	-0.1	0.395	0.497
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	10mm	4	136100	680.5	24.54	25.50	1.247	0.02	0.424	0.529
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	4	136100	680.5	24.50	25.50	1.259	-0.13	0.393	0.495
64	FR1 n71_Ant 0	20M	BPSK	1	1	Left Side	10mm	4	136100	680.5	24.54	25.50	1.247	-0.01	0.499	0.622
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Side	10mm	4	136100	680.5	24.50	25.50	1.259	0.05	0.492	0.619
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Side	10mm	4	136100	680.5	24.54	25.50	1.247	-0.01	0.226	0.282
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Side	10mm	4	136100	680.5	24.50	25.50	1.259	-0.15	0.218	0.274
	FR1 n71_Ant 0	20M	BPSK	1	1	Bottom Side	10mm	4	136100	680.5	24.54	25.50	1.247	0	0.410	0.511
	FR1 n71_Ant 0	20M	BPSK	50	28	Bottom Side	10mm	4	136100	680.5	24.50	25.50	1.259	0.13	0.408	0.514
	FR1 n71_Ant 1	20M	BPSK	1	53	Front	10mm	4	136100	680.5	24.96	25.10	1.033	-0.01	0.259	0.267
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	4	136100	680.5	24.82	25.10	1.067	0.06	0.215	0.229
	FR1 n71_Ant 1	20M	BPSK	1	53	Back	10mm	4	136100	680.5	24.96	25.10	1.033	-0.02	0.214	0.221
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	4	136100	680.5	24.82	25.10	1.067	-0.19	0.196	0.209
	FR1 n71_Ant 1	20M	BPSK	1	53	Left Side	10mm	4	136100	680.5	24.96	25.10	1.033	0	0.271	0.280
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Side	10mm	4	136100	680.5	24.82	25.10	1.067	0.04	0.236	0.252
	FR1 n71_Ant 1	20M	BPSK	1	53	Right Side	10mm	4	136100	680.5	24.96	25.10	1.033	-0.01	0.185	0.191
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Side	10mm	4	136100	680.5	24.82	25.10	1.067	-0.07	0.166	0.177
	FR1 n71_Ant 1	20M	BPSK	1	53	Top Side	10mm	4	136100	680.5	24.96	25.10	1.033	-0.03	0.083	0.086
	FR1 n71_Ant 1	20M	BPSK	50	28	Top Side	10mm	4	136100	680.5	24.82	25.10	1.067	-0.02	0.069	0.074

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 n41_Ant 2	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	17.73	18.70	1.250	-0.04	0.247	0.309
	FR1 n41_Ant 2	100M	BPSK	135	0	Front	10mm	4	518598	2592.99	17.68	18.70	1.265	0.04	0.236	0.298
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	17.73	18.70	1.250	-0.16	0.212	0.265
	FR1 n41_Ant 2	100M	BPSK	135	0	Back	10mm	4	518598	2592.99	17.68	18.70	1.265	0.03	0.208	0.263
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Side	10mm	4	518598	2592.99	17.73	18.70	1.250	0	0.019	0.024
	FR1 n41_Ant 2	100M	BPSK	135	0	Left Side	10mm	4	518598	2592.99	17.68	18.70	1.265	0.06	0.010	0.013
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Side	10mm	4	518598	2592.99	17.73	18.70	1.250	0.03	0.336	0.420
	FR1 n41_Ant 2	100M	BPSK	135	0	Right Side	10mm	4	518598	2592.99	17.68	18.70	1.265	-0.02	0.399	0.505
	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom Side	10mm	4	518598	2592.99	17.73	18.70	1.250	0.09	0.072	0.090
	FR1 n41_Ant 2	100M	BPSK	135	0	Bottom Side	10mm	4	518598	2592.99	17.68	18.70	1.265	0.01	0.056	0.071
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Right Side	10mm	4	518598	2592.99	21.36	21.70	1.081	-0.02	0.511	0.553
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	18.20	18.40	1.047	-0.02	0.376	0.394
	FR1 n41_Ant 0	100M	BPSK	135	0	Front	10mm	4	518598	2592.99	18.22	18.40	1.042	0.06	0.361	0.376
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	18.20	18.40	1.047	-0.08	0.304	0.318
	FR1 n41_Ant 0	100M	BPSK	135	0	Back	10mm	4	518598	2592.99	18.22	18.40	1.042	0.05	0.293	0.305
	FR1 n41_Ant 0	100M	BPSK	1	1	Left Side	10mm	4	518598	2592.99	18.20	18.40	1.047	-0.03	0.081	0.085
	FR1 n41_Ant 0	100M	BPSK	135	0	Left Side	10mm	4	518598	2592.99	18.22	18.40	1.042	-0.15	0.068	0.071
	FR1 n41_Ant 0	100M	BPSK	1	1	Right Side	10mm	4	518598	2592.99	18.20	18.40	1.047	-0.08	0.030	0.031
	FR1 n41_Ant 0	100M	BPSK	135	0	Right Side	10mm	4	518598	2592.99	18.22	18.40	1.042	-0.11	0.025	0.026
	FR1 n41_Ant 0	100M	BPSK	1	1	Bottom Side	10mm	4	518598	2592.99	18.20	18.40	1.047	0	0.687	0.719
	FR1 n41_Ant 0	100M	BPSK	135	0	Bottom Side	10mm	4	518598	2592.99	18.22	18.40	1.042	0.12	0.638	0.665
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Bottom Side	10mm	4	518598	2592.99	21.23	21.50	1.064	-0.06	0.699	0.744
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	18.40	19.30	1.230	-0.17	0.302	0.372
	FR1 n41_Ant 1	100M	BPSK	135	0	Front	10mm	4	518598	2592.99	18.35	19.30	1.245	0.04	0.293	0.365
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	18.40	19.30	1.230	0.08	0.256	0.315
	FR1 n41_Ant 1	100M	BPSK	135	0	Back	10mm	4	518598	2592.99	18.35	19.30	1.245	0	0.239	0.297
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Side	10mm	4	518598	2592.99	18.40	19.30	1.230	0.06	0.128	0.157
	FR1 n41_Ant 1	100M	BPSK	135	0	Left Side	10mm	4	518598	2592.99	18.35	19.30	1.245	0.01	0.119	0.148
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Side	10mm	4	518598	2592.99	18.40	19.30	1.230	-0.02	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	135	0	Right Side	10mm	4	518598	2592.99	18.35	19.30	1.245	-0.04	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Side	10mm	4	518598	2592.99	18.40	19.30	1.230	0.11	0.615	0.757
65	FR1 n41_Ant 1	100M	BPSK	135	0	Top Side	10mm	4	518598	2592.99	18.35	19.30	1.245	-0.02	0.655	0.815
	FR1 n41_Ant 1	100M	BPSK	270	0	Top Side	10mm	4	518598	2592.99	18.27	19.30	1.268	0.16	0.610	0.773
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Top Side	10mm	4	518598	2592.99	21.42	22.30	1.225	-0.01	0.598	0.732

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 n41_Ant 5	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	18.57	19.40	1.211	-0.09	0.138	0.167
	FR1 n41_Ant 5	100M	BPSK	135	0	Front	10mm	4	518598	2592.99	18.37	19.40	1.268	0.15	0.125	0.158
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	18.57	19.40	1.211	-0.18	0.220	0.266
	FR1 n41_Ant 5	100M	BPSK	135	0	Back	10mm	4	518598	2592.99	18.37	19.40	1.268	0.02	0.163	0.207
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Side	10mm	4	518598	2592.99	18.57	19.40	1.211	0.03	0.005	0.006
	FR1 n41_Ant 5	100M	BPSK	135	0	Left Side	10mm	4	518598	2592.99	18.37	19.40	1.268	-0.18	0.002	0.003
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Side	10mm	4	518598	2592.99	18.57	19.40	1.211	-0.01	0.399	0.483
	FR1 n41_Ant 5	100M	BPSK	135	0	Right Side	10mm	4	518598	2592.99	18.37	19.40	1.268	0.12	0.296	0.375
	FR1 n41_Ant 5	100M	BPSK	1	1	Top Side	10mm	4	518598	2592.99	18.57	19.40	1.211	0.1	0.025	0.030
	FR1 n41_Ant 5	100M	BPSK	135	0	Top Side	10mm	4	518598	2592.99	18.37	19.40	1.268	-0.01	0.019	0.024
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Right Side	10mm	4	518598	2592.99	21.55	22.50	1.245	-0.04	0.404	0.503
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	10mm	4	641666	3624.99	18.61	18.70	1.021	-0.03	0.379	0.387
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	18.27	18.70	1.104	0.06	0.352	0.389
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	4	641666	3624.99	18.61	18.70	1.021	-0.05	0.326	0.333
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	4	641666	3624.99	18.27	18.70	1.104	0.12	0.310	0.342
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Side	10mm	4	641666	3624.99	18.61	18.70	1.021	0.08	0.701	0.716
	FR1 n48_Ant 6	40M	BPSK	1	0	Left Side	10mm	4	638000	3570	12.77	13.00	1.054	0.01	0.196	0.207
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Side	10mm	4	645332	3679.98	12.75	13.00	1.059	0.12	0.174	0.184
66	FR1 n48_Ant 6	20M	BPSK	1	49	Left Side	10mm	4	637334	3560.01	18.16	18.70	1.132	-0.01	0.715	0.810
	FR1 n48_Ant 6	20M	BPSK	1	49	Left Side	10mm	4	646000	3690	18.14	18.70	1.138	0.08	0.642	0.730
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Side	10mm	4	641666	3624.99	18.27	18.70	1.104	0.06	0.660	0.729
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Side	10mm	4	638000	3570	12.70	13.00	1.072	0.04	0.192	0.206
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Side	10mm	4	645332	3679.98	12.52	13.00	1.117	0.07	0.190	0.212
	FR1 n48_Ant 6	20M	BPSK	25	12	Left Side	10mm	4	637334	3560.01	18.08	18.70	1.153	0.01	0.669	0.772
	FR1 n48_Ant 6	20M	BPSK	25	12	Left Side	10mm	4	646000	3690	18.15	18.70	1.135	0.12	0.629	0.714
	FR1 n48_Ant 6	40M	BPSK	100	0	Left Side	10mm	4	641666	3624.99	18.29	18.70	1.099	0.09	0.668	0.734
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Side	10mm	4	641666	3624.99	18.61	18.70	1.021	-0.15	0.027	0.028
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Side	10mm	4	641666	3624.99	18.27	18.70	1.104	0.12	0.018	0.020
	FR1 n48_Ant 6	40M	BPSK	1	1	Bottom Side	10mm	4	641666	3624.99	18.61	18.70	1.021	-0.11	0.127	0.130
	FR1 n48_Ant 6	40M	BPSK	50	25	Bottom Side	10mm	4	641666	3624.99	18.27	18.70	1.104	-0.05	0.121	0.134
	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	4	641666	3624.99	19.55	20.10	1.135	-0.15	0.419	0.476
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	19.21	20.10	1.227	0.07	0.388	0.476
	FR1 n48_Ant 7	40M	BPSK	1	1	Back	10mm	4	641666	3624.99	19.55	20.10	1.135	-0.06	0.247	0.280
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	10mm	4	641666	3624.99	19.21	20.10	1.227	-0.08	0.209	0.257
	FR1 n48_Ant 7	40M	BPSK	1	1	Left Side	10mm	4	641666	3624.99	19.55	20.10	1.135	-0.17	0.029	0.033
	FR1 n48_Ant 7	40M	BPSK	50	25	Left Side	10mm	4	641666	3624.99	19.21	20.10	1.227	-0.19	0.021	0.026
	FR1 n48_Ant 7	40M	BPSK	1	1	Right Side	10mm	4	641666	3624.99	19.55	20.10	1.135	0.02	0.184	0.209
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Side	10mm	4	641666	3624.99	19.21	20.10	1.227	0.08	0.177	0.217
	FR1 n48_Ant 7	40M	BPSK	1	1	Bottom Side	10mm	4	641666	3624.99	19.55	20.10	1.135	-0.14	0.644	0.731
	FR1 n48_Ant 7	20M	BPSK	1	50	Bottom Side	10mm	4	637334	3560.01	19.26	20.10	1.213	0.15	0.588	0.713
	FR1 n48_Ant 7	20M	BPSK	1	50	Bottom Side	10mm	4	646000	3690	19.10	20.10	1.259	-0.08	0.510	0.642
	FR1 n48_Ant 7	40M	BPSK	50	25	Bottom Side	10mm	4	641666	3624.99	19.21	20.10	1.227	0.04	0.569	0.698
	FR1 n48_Ant 7	20M	BPSK	25	12	Bottom Side	10mm	4	637334	3560.01	19.17	20.10	1.239	0.012	0.575	0.712
	FR1 n48_Ant 7	20M	BPSK	25	12	Bottom Side	10mm	4	646000	3690	18.94	20.10	1.306	-0.08	0.508	0.664
	FR1 n48_Ant 7	40M	BPSK	100	0	Bottom Side	10mm	4	641666	3624.99	19.17	20.10	1.239	0.06	0.504	0.624

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 1	40M	BPSK	1	0	Front	10mm	4	641666	3624.99	21.44	22.50	1.276	-0.01	0.234	0.299
	FR1 n48_Ant 1	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	21.44	22.50	1.276	-0.13	0.209	0.267
	FR1 n48_Ant 1	40M	BPSK	1	0	Back	10mm	4	641666	3624.99	21.44	22.50	1.276	0.02	0.304	0.388
	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	4	641666	3624.99	21.44	22.50	1.276	-0.08	0.300	0.383
	FR1 n48_Ant 1	40M	BPSK	1	0	Left Side	10mm	4	641666	3624.99	21.44	22.50	1.276	-0.02	0.359	0.458
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Side	10mm	4	641666	3624.99	21.44	22.50	1.276	0.08	0.325	0.415
	FR1 n48_Ant 1	40M	BPSK	1	0	Right Side	10mm	4	641666	3624.99	21.44	22.50	1.276	-0.08	0.007	0.009
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Side	10mm	4	641666	3624.99	21.44	22.50	1.276	-0.02	0.005	0.006
	FR1 n48_Ant 1	40M	BPSK	1	0	Top Side	10mm	4	641666	3624.99	21.44	22.50	1.276	-0.09	0.448	0.572
	FR1 n48_Ant 1	40M	BPSK	50	25	Top Side	10mm	4	641666	3624.99	21.44	22.50	1.276	-0.08	0.431	0.550
	FR1 n48_Ant 5	40M	BPSK	1	0	Front	10mm	4	641666	3624.99	20.04	20.30	1.062	-0.07	0.236	0.251
	FR1 n48_Ant 5	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	20.04	20.30	1.062	0.07	0.213	0.226
	FR1 n48_Ant 5	40M	BPSK	1	0	Back	10mm	4	641666	3624.99	20.04	20.30	1.062	-0.15	0.199	0.211
	FR1 n48_Ant 5	40M	BPSK	50	25	Back	10mm	4	641666	3624.99	20.04	20.30	1.062	0.06	0.182	0.193
	FR1 n48_Ant 5	40M	BPSK	1	0	Left Side	10mm	4	641666	3624.99	20.04	20.30	1.062	0.05	0.011	0.012
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Side	10mm	4	641666	3624.99	20.04	20.30	1.062	0.13	0.008	0.008
	FR1 n48_Ant 5	40M	BPSK	1	0	Right Side	10mm	4	641666	3624.99	20.04	20.30	1.062	-0.04	0.504	0.535
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Side	10mm	4	641666	3624.99	20.04	20.30	1.062	0.14	0.487	0.517
	FR1 n48_Ant 5	40M	BPSK	1	0	Top Side	10mm	4	641666	3624.99	20.04	20.30	1.062	0.19	0.024	0.025
	FR1 n48_Ant 5	40M	BPSK	50	25	Top Side	10mm	4	641666	3624.99	19.83	20.30	1.114	-0.04	0.021	0.023
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	4	656000	3840	17.25	17.50	1.059	-0.13	0.295	0.312
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	10mm	4	656000	3840	17.15	17.50	1.084	0.03	0.253	0.274
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	4	656000	3840	17.25	17.50	1.059	0.09	0.155	0.164
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	10mm	4	656000	3840	17.15	17.50	1.084	0.07	0.145	0.157
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Side	10mm	4	656000	3840	17.25	17.50	1.059	-0.06	0.392	0.415
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Side	10mm	4	656000	3840	17.15	17.50	1.084	0.01	0.311	0.337
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Side	10mm	4	656000	3840	17.25	17.50	1.059	0.03	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	135	0	Right Side	10mm	4	656000	3840	17.15	17.50	1.084	-0.12	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Side	10mm	4	656000	3840	17.25	17.50	1.059	0.03	0.057	0.060
	FR1 n77_Ant 6	100M	BPSK	135	0	Bottom Side	10mm	4	656000	3840	17.15	17.50	1.084	0.08	0.053	0.057
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Side	10mm	4	656000	3840	20.42	20.70	1.067	0.01	0.415	0.443
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	16.97	17.50	1.130	-0.11	0.259	0.293
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	10mm	4	633332	3499.98	16.89	17.50	1.151	0.09	0.252	0.290
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	16.97	17.50	1.130	-0.13	0.216	0.244
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	10mm	4	633332	3499.98	16.89	17.50	1.151	0.08	0.210	0.242
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Side	10mm	4	633332	3499.98	16.97	17.50	1.130	-0.04	0.513	0.580
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Side	10mm	4	633332	3499.98	16.89	17.50	1.151	0.11	0.499	0.574
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Side	10mm	4	633332	3499.98	16.97	17.50	1.130	0.1	0.034	0.038
	FR1 n77_Ant 6	100M	BPSK	135	0	Right Side	10mm	4	633332	3499.98	16.89	17.50	1.151	0.03	0.027	0.031
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Side	10mm	4	633332	3499.98	16.97	17.50	1.130	-0.02	0.210	0.237
	FR1 n77_Ant 6	100M	BPSK	135	0	Bottom Side	10mm	4	633332	3499.98	16.89	17.50	1.151	0.01	0.202	0.232
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Side	10mm	4	633332	3499.98	20.15	20.70	1.135	-0.09	0.491	0.557

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 7	100M	BPSK	1	1	Front	10mm	4	656000	3840	20.08	20.40	1.076	0.09	0.447	0.481
	FR1 n77_Ant 7	100M	BPSK	135	0	Front	10mm	4	656000	3840	19.95	20.40	1.109	-0.1	0.390	0.433
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	4	656000	3840	20.08	20.40	1.076	0.08	0.335	0.361
	FR1 n77_Ant 7	100M	BPSK	135	0	Back	10mm	4	656000	3840	19.95	20.40	1.109	-0.13	0.307	0.341
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Side	10mm	4	656000	3840	20.08	20.40	1.076	-0.02	0.072	0.078
	FR1 n77_Ant 7	100M	BPSK	135	0	Left Side	10mm	4	656000	3840	19.95	20.40	1.109	0.11	0.062	0.069
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Side	10mm	4	656000	3840	20.08	20.40	1.076	-0.03	0.430	0.463
	FR1 n77_Ant 7	100M	BPSK	135	0	Right Side	10mm	4	656000	3840	19.95	20.40	1.109	0.14	0.396	0.439
	FR1 n77_Ant 7	100M	BPSK	1	1	Bottom Side	10mm	4	656000	3840	20.08	20.40	1.076	0.05	0.595	0.640
	FR1 n77_Ant 7	100M	BPSK	135	0	Bottom Side	10mm	4	656000	3840	19.95	20.40	1.109	-0.1	0.553	0.613
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Bottom Side	10mm	4	656000	3840	22.99	23.40	1.099	0.17	0.580	0.637
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	20.23	20.40	1.040	-0.15	0.174	0.181
	FR1 n77_Ant 7	100M	BPSK	135	0	Front	10mm	4	633332	3499.98	19.98	20.40	1.102	-0.04	0.155	0.171
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	20.23	20.40	1.040	0.08	0.149	0.155
	FR1 n77_Ant 7	100M	BPSK	135	0	Back	10mm	4	633332	3499.98	19.98	20.40	1.102	-0.15	0.138	0.152
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Side	10mm	4	633332	3499.98	20.23	20.40	1.040	-0.19	0.001	0.001
	FR1 n77_Ant 7	100M	BPSK	135	0	Left Side	10mm	4	633332	3499.98	19.98	20.40	1.102	-0.11	0.001	0.001
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Side	10mm	4	633332	3499.98	20.23	20.40	1.040	-0.17	0.407	0.423
	FR1 n77_Ant 7	100M	BPSK	135	0	Right Side	10mm	4	633332	3499.98	19.98	20.40	1.102	-0.04	0.375	0.413
	FR1 n77_Ant 7	100M	BPSK	1	1	Bottom Side	10mm	4	633332	3499.98	20.23	20.40	1.040	-0.02	0.125	0.130
	FR1 n77_Ant 7	100M	BPSK	135	0	Bottom Side	10mm	4	633332	3499.98	19.98	20.40	1.102	-0.05	0.106	0.117
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Side	10mm	4	633332	3499.98	23.13	23.40	1.064	-0.14	0.397	0.422
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	4	656000	3840	22.94	23.10	1.038	-0.02	0.282	0.293
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	4	656000	3840	22.78	23.10	1.076	0.13	0.239	0.257
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	4	656000	3840	22.94	23.10	1.038	-0.08	0.383	0.397
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	4	656000	3840	22.78	23.10	1.076	0.06	0.328	0.353
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Side	10mm	4	656000	3840	22.94	23.10	1.038	-0.03	0.368	0.382
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Side	10mm	4	656000	3840	22.78	23.10	1.076	0.14	0.320	0.344
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Side	10mm	4	656000	3840	22.94	23.10	1.038	0.07	0.002	0.002
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Side	10mm	4	656000	3840	22.78	23.10	1.076	-0.16	0.001	0.001
	FR1 n77_Ant 1	100M	BPSK	1	1	Top Side	10mm	4	656000	3840	22.94	23.10	1.038	-0.1	0.473	0.491
	FR1 n77_Ant 1	100M	BPSK	135	69	Top Side	10mm	4	656000	3840	22.78	23.10	1.076	0	0.419	0.451
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Top Side	10mm	4	656000	3840	26.07	26.30	1.054	-0.07	0.477	0.503
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	23.02	23.10	1.019	-0.04	0.148	0.151
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	4	633332	3499.98	22.90	23.10	1.047	-0.07	0.183	0.192
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	23.02	23.10	1.019	-0.08	0.247	0.252
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	22.90	23.10	1.047	0.13	0.299	0.313
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Side	10mm	4	633332	3499.98	23.02	23.10	1.019	0.03	0.175	0.178
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Side	10mm	4	633332	3499.98	22.90	23.10	1.047	-0.04	0.278	0.291
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Side	10mm	4	633332	3499.98	23.02	23.10	1.019	-0.1	0.001	0.001
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Side	10mm	4	633332	3499.98	22.90	23.10	1.047	-0.16	0.001	0.001
	FR1 n77_Ant 1	100M	BPSK	1	1	Top Side	10mm	4	633332	3499.98	23.02	23.10	1.019	0.15	0.287	0.292
	FR1 n77_Ant 1	100M	BPSK	135	69	Top Side	10mm	4	633332	3499.98	22.90	23.10	1.047	-0.08	0.291	0.305
	FR1 n77_HPUE_Ant 1	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	26.02	26.30	1.067	-0.07	0.287	0.306

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	Front	10mm	4	656000	3840	18.33	19.10	1.194	-0.05	0.270	0.322
	FR1 n77_Ant 5	100M	BPSK	135	0	Front	10mm	4	656000	3840	18.20	19.10	1.230	0.07	0.251	0.309
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	4	656000	3840	18.33	19.10	1.194	0.04	0.245	0.293
	FR1 n77_Ant 5	100M	BPSK	135	0	Back	10mm	4	656000	3840	18.20	19.10	1.230	0.04	0.231	0.284
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Side	10mm	4	656000	3840	18.33	19.10	1.194	0.01	0.006	0.007
	FR1 n77_Ant 5	100M	BPSK	135	0	Left Side	10mm	4	656000	3840	18.20	19.10	1.230	-0.11	0.002	0.002
67	FR1 n77_Ant 5	100M	BPSK	1	1	Right Side	10mm	4	656000	3840	18.33	19.10	1.194	-0.01	0.543	0.648
	FR1 n77_Ant 5	100M	BPSK	135	0	Right Side	10mm	4	656000	3840	18.20	19.10	1.230	0.1	0.525	0.646
	FR1 n77_Ant 5	100M	BPSK	1	1	Top Side	10mm	4	656000	3840	18.33	19.10	1.194	0.08	0.050	0.060
	FR1 n77_Ant 5	100M	BPSK	135	0	Top Side	10mm	4	656000	3840	18.20	19.10	1.230	0.18	0.039	0.048
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	137	Right Side	10mm	4	656000	3840	21.59	22.10	1.125	0.03	0.519	0.584
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	18.51	19.10	1.146	-0.01	0.115	0.132
	FR1 n77_Ant 5	100M	BPSK	135	0	Front	10mm	4	633332	3499.98	18.49	19.10	1.151	-0.02	0.106	0.122
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	18.51	19.10	1.146	0.05	0.111	0.127
	FR1 n77_Ant 5	100M	BPSK	135	0	Back	10mm	4	633332	3499.98	18.49	19.10	1.151	0.03	0.105	0.121
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Side	10mm	4	633332	3499.98	18.51	19.10	1.146	0	0.001	0.001
	FR1 n77_Ant 5	100M	BPSK	135	0	Left Side	10mm	4	633332	3499.98	18.49	19.10	1.151	0.04	0.001	0.001
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Side	10mm	4	633332	3499.98	18.51	19.10	1.146	0.02	0.214	0.245
	FR1 n77_Ant 5	100M	BPSK	135	0	Right Side	10mm	4	633332	3499.98	18.49	19.10	1.151	-0.06	0.207	0.238
	FR1 n77_Ant 5	100M	BPSK	1	1	Top Side	10mm	4	633332	3499.98	18.51	19.10	1.146	0.01	0.038	0.044
	FR1 n77_Ant 5	100M	BPSK	135	0	Top Side	10mm	4	633332	3499.98	18.49	19.10	1.151	0.03	0.032	0.037
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Right Side	10mm	4	633332	3499.98	21.74	22.10	1.086	0.05	0.223	0.242

<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 3	7	1	2412	17.95	18.00	1.012	98.85	1.012	-0.13	0.106	0.109
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	1	2412	17.95	18.00	1.012	98.85	1.012	-0.12	0.139	0.142
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	7	1	2412	17.95	18.00	1.012	98.85	1.012	-0.05	0.224	0.229
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	7	6	2437	17.65	18.00	1.084	98.85	1.012	-0.07	0.254	0.279
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	7	11	2462	17.85	18.00	1.035	98.85	1.012	-0.05	0.326	0.342
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	7	12	2467	17.75	18.00	1.059	98.85	1.012	-0.09	0.280	0.300
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	7	13	2472	17.65	18.00	1.084	98.85	1.012	-0.01	0.243	0.267
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 3	7	1	2412	17.95	18.00	1.012	98.85	1.012	-0.18	0.004	0.004
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 3	7	1	2412	17.95	18.00	1.012	98.85	1.012	-0.16	0.016	0.016
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	12	2467	17.95	18.00	1.012	98.97	1.010	-0.12	0.360	0.368
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	7	12	2467	17.95	18.00	1.012	98.97	1.010	-0.07	0.282	0.288
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 4	7	12	2467	17.95	18.00	1.012	98.97	1.010	0	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 4	7	12	2467	17.95	18.00	1.012	98.97	1.010	-0.18	0.104	0.106
68	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	7	12	2467	17.95	18.00	1.012	98.97	1.010	-0.04	0.680	0.695
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	7	1	2412	17.65	18.00	1.084	98.97	1.010	-0.01	0.546	0.598
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	7	6	2437	17.75	18.00	1.059	98.97	1.010	0	0.588	0.629
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	7	11	2462	17.65	18.00	1.084	98.97	1.010	-0.05	0.605	0.662
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	7	13	2472	17.75	18.00	1.059	98.97	1.010	-0.04	0.591	0.632
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	7	1	2412	17.95	18.00	1.012	93.46	1.070	-0.01	0.101	0.109
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	7	1	2412	17.85	18.00	1.035	93.46	1.070	-0.01	0.311	0.344
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(3)	7	1	2412	17.95	18.00	1.012	93.46	1.070	-0.02	0.123	0.133
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(4)	7	1	2412	17.85	18.00	1.035	93.46	1.070	-0.02	0.233	0.258
	WLAN2.4GHz	802.11g 6Mbps	Left Side	10mm	Ant 3+4(3)	7	1	2412	17.95	18.00	1.012	93.46	1.070	-0.19	0.192	0.208
	WLAN2.4GHz	802.11g 6Mbps	Left Side	10mm	Ant 3+4(4)	7	1	2412	17.85	18.00	1.035	93.46	1.070	-0.19	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Right Side	10mm	Ant 3+4(3)	7	1	2412	17.95	18.00	1.012	93.46	1.070	-0.04	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Right Side	10mm	Ant 3+4(4)	7	1	2412	17.85	18.00	1.035	93.46	1.070	-0.04	0.091	0.101
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(3)	7	1	2412	17.95	18.00	1.012	93.46	1.070	-0.03	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(4)	7	1	2412	17.85	18.00	1.035	93.46	1.070	-0.03	0.557	0.617
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(3)	7	6	2437	17.75	18.00	1.059	93.46	1.070	-0.04	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(4)	7	6	2437	17.55	18.00	1.109	93.46	1.070	-0.04	0.530	0.629
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(3)	7	11	2462	17.65	18.00	1.084	93.46	1.070	0	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(4)	7	11	2462	17.65	18.00	1.084	93.46	1.070	0	0.579	0.672

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 3	8	1	2412	15.45	15.50	1.012	98.85	1.012	0.03	0.047	0.048
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	1	2412	15.45	15.50	1.012	98.85	1.012	0.03	0.062	0.063
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	8	1	2412	15.45	15.50	1.012	98.85	1.012	-0.12	0.106	0.109
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	8	6	2437	15.25	15.50	1.059	98.85	1.012	0	0.110	0.118
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	8	11	2462	15.35	15.50	1.035	98.85	1.012	-0.02	0.157	0.164
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	8	12	2467	15.35	15.50	1.035	98.85	1.012	-0.05	0.163	0.171
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 3	8	13	2472	15.25	15.50	1.059	98.85	1.012	-0.02	0.122	0.131
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 3	8	1	2412	15.45	15.50	1.012	98.85	1.012	0.01	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 3	8	1	2412	15.45	15.50	1.012	98.85	1.012	0.16	0.008	0.008
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	11	2462	15.35	15.50	1.035	98.97	1.010	-0.15	0.195	0.204
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	8	11	2462	15.35	15.50	1.035	98.97	1.010	0.04	0.158	0.165
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 4	8	11	2462	15.35	15.50	1.035	98.97	1.010	0	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 4	8	11	2462	15.35	15.50	1.035	98.97	1.010	0.1	0.050	0.052
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	8	11	2462	15.35	15.50	1.035	98.97	1.010	-0.05	0.343	0.359
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	8	1	2412	15.25	15.50	1.059	98.97	1.010	0.01	0.284	0.304
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	8	6	2437	15.25	15.50	1.059	98.97	1.010	0.01	0.294	0.315
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	8	12	2467	15.35	15.50	1.035	98.97	1.010	0.01	0.340	0.355
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	8	13	2472	15.35	15.50	1.035	98.97	1.010	-0.07	0.283	0.296
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.13	0.067	0.073
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.13	0.194	0.210
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(3)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.14	0.082	0.089
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(4)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.14	0.145	0.157
	WLAN2.4GHz	802.11g 6Mbps	Left Side	10mm	Ant 3+4(3)	8	11	2462	15.45	15.50	1.012	93.46	1.070	0	0.151	0.163
	WLAN2.4GHz	802.11g 6Mbps	Left Side	10mm	Ant 3+4(4)	8	11	2462	15.45	15.50	1.012	93.46	1.070	0	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Right Side	10mm	Ant 3+4(3)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.15	0.055	0.060
	WLAN2.4GHz	802.11g 6Mbps	Right Side	10mm	Ant 3+4(4)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.15	0.055	0.060
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(3)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.09	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(4)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.09	0.342	0.370
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(3)	8	1	2412	15.45	15.50	1.012	93.46	1.070	0.02	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(4)	8	1	2412	15.35	15.50	1.035	93.46	1.070	0.02	0.301	0.333
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(3)	8	6	2437	15.35	15.50	1.035	93.46	1.070	-0.04	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(4)	8	6	2437	15.25	15.50	1.059	93.46	1.070	-0.04	0.307	0.348
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(3)	8	12	2467	15.45	15.50	1.012	93.46	1.070	0.07	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(4)	8	12	2467	15.45	15.50	1.012	93.46	1.070	0.07	0.348	0.377
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(3)	8	13	2472	15.45	15.50	1.012	93.46	1.070	-0.01	0.001	0.001
	WLAN2.4GHz	802.11g 6Mbps	Top Side	10mm	Ant 3+4(4)	8	13	2472	15.05	15.50	1.109	93.46	1.070	-0.01	0.285	0.338

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	Front	10mm	Ant 3+4(3)	7/8/9	42	5210	14.95	15.00	1.012	91.94	1.088	-0.16	0.069	0.076
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	7/8/9	42	5210	14.70	15.00	1.072	91.94	1.088	-0.16	0.106	0.124
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	7/8/9	42	5210	14.95	15.00	1.012	91.94	1.088	0.01	0.047	0.052
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	7/8/9	42	5210	14.70	15.00	1.072	91.94	1.088	0.01	0.047	0.055
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 3+4(3)	7/8/9	42	5210	14.95	15.00	1.012	91.94	1.088	-0.14	0.079	0.087
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 3+4(4)	7/8/9	42	5210	14.70	15.00	1.072	91.94	1.088	-0.14	0.001	0.001
69	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 3+4(3)	7/8/9	42	5210	14.95	15.00	1.012	91.94	1.088	-0.05	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 3+4(4)	7/8/9	42	5210	14.70	15.00	1.072	91.94	1.088	-0.05	0.156	0.182
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 3+4(3)	7/8/9	42	5210	14.95	15.00	1.012	91.94	1.088	-0.1	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 3+4(4)	7/8/9	42	5210	14.70	15.00	1.072	91.94	1.088	-0.1	0.088	0.103
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	7/8/9	155	5775	18.15	18.50	1.084	91.94	1.088	-0.15	0.152	0.179
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	7/8/9	155	5775	18.20	18.50	1.072	91.94	1.088	-0.15	0.143	0.167
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	7/8/9	155	5775	18.15	18.50	1.084	91.94	1.088	0.16	0.132	0.156
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	7/8/9	155	5775	18.20	18.50	1.072	91.94	1.088	0.16	0.214	0.249
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 3+4(3)	7/8/9	155	5775	18.15	18.50	1.084	91.94	1.088	0.11	0.209	0.246
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 3+4(4)	7/8/9	155	5775	18.20	18.50	1.072	91.94	1.088	0.11	0.001	0.001
70	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 3+4(3)	7/8/9	155	5775	18.15	18.50	1.084	91.94	1.088	0.01	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 3+4(4)	7/8/9	155	5775	18.20	18.50	1.072	91.94	1.088	0.01	0.225	0.262
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 3+4(3)	7/8/9	155	5775	18.15	18.50	1.084	91.94	1.088	-0.17	0.008	0.009
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 3+4(4)	7/8/9	155	5775	18.20	18.50	1.072	91.94	1.088	-0.17	0.212	0.247

<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 3	3/4	0	2402	14.69	15.00	1.074	77.13	1.080	-0.09	0.036	0.042
	Bluetooth	1Mbps	Back	10mm	Ant 3	3/4	0	2402	14.69	15.00	1.074	77.13	1.080	-0.04	0.047	0.055
	Bluetooth	1Mbps	Left Side	10mm	Ant 3	3/4	0	2402	14.69	15.00	1.074	77.13	1.080	0.02	0.083	0.096
	Bluetooth	1Mbps	Left Side	10mm	Ant 3	3/4	39	2441	14.50	15.00	1.122	77.13	1.080	0.09	0.105	0.127
	Bluetooth	1Mbps	Left Side	10mm	Ant 3	3/4	78	2480	14.39	15.00	1.151	77.13	1.080	0.06	0.114	0.142
	Bluetooth	1Mbps	Right Side	10mm	Ant 3	3/4	0	2402	14.69	15.00	1.074	77.13	1.080	0.01	0.001	0.001
	Bluetooth	1Mbps	Top Side	10mm	Ant 3	3/4	0	2402	14.69	15.00	1.074	77.13	1.080	-0.19	0.003	0.003
	Bluetooth	1Mbps	Front	10mm	Ant 4	3/4	0	2402	14.61	15.00	1.094	77.07	1.081	0.1	0.163	0.193
	Bluetooth	1Mbps	Back	10mm	Ant 4	3/4	0	2402	14.61	15.00	1.094	77.07	1.081	-0.13	0.119	0.141
	Bluetooth	1Mbps	Left Side	10mm	Ant 4	3/4	0	2402	14.61	15.00	1.094	77.07	1.081	0.01	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 4	3/4	0	2402	14.61	15.00	1.094	77.07	1.081	-0.1	0.037	0.044
	Bluetooth	1Mbps	Top Side	10mm	Ant 4	3/4	0	2402	14.61	15.00	1.094	77.07	1.081	-0.19	0.252	0.298
	Bluetooth	1Mbps	Top Side	10mm	Ant 4	3/4	39	2441	14.59	15.00	1.099	77.07	1.081	0.03	0.200	0.238
	Bluetooth	1Mbps	Top Side	10mm	Ant 4	3/4	78	2480	14.24	15.00	1.191	77.07	1.081	-0.08	0.196	0.252
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	3/4	0	2402	14.33	15.00	1.167	77.07	1.081	-0.05	0.046	0.058
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	3/4	0	2402	14.37	15.00	1.156	77.07	1.081	-0.05	0.155	0.194
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(3)	3/4	0	2402	14.33	15.00	1.167	77.07	1.081	0.01	0.048	0.061
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(4)	3/4	0	2402	14.37	15.00	1.156	77.07	1.081	0.01	0.091	0.114
	Bluetooth	1Mbps	Left Side	10mm	Ant 3+4(3)	3/4	0	2402	14.33	15.00	1.167	77.07	1.081	0.11	0.081	0.102
	Bluetooth	1Mbps	Left Side	10mm	Ant 3+4(4)	3/4	0	2402	14.37	15.00	1.156	77.07	1.081	0.11	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 3+4(3)	3/4	0	2402	14.33	15.00	1.167	77.07	1.081	-0.08	0.001	0.001
	Bluetooth	1Mbps	Right Side	10mm	Ant 3+4(4)	3/4	0	2402	14.37	15.00	1.156	77.07	1.081	-0.08	0.030	0.037
	Bluetooth	1Mbps	Top Side	10mm	Ant 3+4(3)	3/4	0	2402	14.33	15.00	1.167	77.07	1.081	-0.13	0.001	0.001
	Bluetooth	1Mbps	Top Side	10mm	Ant 3+4(4)	3/4	0	2402	14.37	15.00	1.156	77.07	1.081	-0.13	0.158	0.197
	Bluetooth	1Mbps	Top Side	10mm	Ant 3+4(3)	3/4	39	2441	14.12	15.00	1.225	77.07	1.081	0.06	0.001	0.001
	Bluetooth	1Mbps	Top Side	10mm	Ant 3+4(4)	3/4	39	2441	14.40	15.00	1.148	77.07	1.081	0.06	0.188	0.233
71	Bluetooth	1Mbps	Top Side	10mm	Ant 3+4(3)	3/4	78	2480	14.13	15.00	1.222	77.07	1.081	0.05	0.001	0.001
	Bluetooth	1Mbps	Top Side	10mm	Ant 3+4(4)	3/4	78	2480	13.88	15.00	1.294	77.07	1.081	0.05	0.238	0.333

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)
72	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	189	836.4	28.07	29.40	1.358	0.05	0.701	0.952
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	128	824.2	28.02	29.40	1.374	0.02	0.673	0.925
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	251	848.8	28.09	29.40	1.352	-0.06	0.663	0.896
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	189	836.4	28.07	29.40	1.358	0.02	0.696	0.945
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	128	824.2	28.02	29.40	1.374	0.02	0.681	0.936
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	251	848.8	28.09	29.40	1.352	0.11	0.597	0.807
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	189	836.4	28.07	28.70	1.156	0.05	0.701	0.810
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	128	824.2	28.02	28.70	1.169	0.02	0.673	0.787
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	251	848.8	28.09	28.70	1.151	-0.06	0.663	0.763
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	189	836.4	28.07	28.70	1.156	0.02	0.696	0.805
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	128	824.2	28.02	28.70	1.169	0.02	0.681	0.796
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	251	848.8	28.09	28.70	1.151	0.11	0.597	0.687
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	5/6	189	836.4	28.46	30.00	1.426	-0.15	0.215	0.307
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	5/6	189	836.4	28.46	30.00	1.426	0.06	0.418	0.596
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	5/6	128	824.2	28.45	30.00	1.429	0.02	0.355	0.507
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	5/6	251	848.8	28.12	30.00	1.542	-0.04	0.382	0.589
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	5	661	1880	23.35	24.80	1.396	0.08	0.256	0.357
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	5	661	1880	23.35	24.80	1.396	0.04	0.287	0.401
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	5	512	1850.2	23.34	24.80	1.400	0.01	0.384	0.537
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	5	810	1909.8	23.33	24.80	1.403	0.06	0.322	0.452
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	6	661	1880	23.35	24.10	1.189	0.08	0.256	0.304
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	6	661	1880	23.35	24.10	1.189	0.04	0.287	0.341
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	6	512	1850.2	23.34	24.10	1.191	0.01	0.384	0.457
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	6	810	1909.8	23.33	24.10	1.194	0.06	0.322	0.384
73	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	661	1880	21.34	22.60	1.337	-0.17	0.547	0.731
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	512	1850.2	21.33	22.60	1.340	0.02	0.497	0.666
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	810	1909.8	20.90	22.60	1.479	0.01	0.418	0.618
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	661	1880	21.34	22.60	1.337	-0.17	0.451	0.603
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	661	1880	21.34	21.90	1.138	-0.17	0.547	0.622
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	512	1850.2	21.33	21.90	1.140	0.02	0.497	0.567
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	810	1909.8	20.90	21.90	1.259	0.01	0.418	0.526
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	661	1880	21.34	21.90	1.138	-0.17	0.451	0.513

<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	5	9400	1880	20.71	22.00	1.346	-0.04	0.308	0.415
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	5	9400	1880	20.71	22.00	1.346	0.07	0.354	0.476
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	5	9262	1852.4	20.67	22.00	1.358	0.13	0.356	0.484
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	5	9538	1907.6	20.69	22.00	1.352	0.02	0.416	0.562
	WCDMA II_Ant 2	RMC 12.2Kbps	Front	10mm	6	9400	1880	20.71	21.30	1.146	-0.04	0.308	0.353
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	6	9400	1880	20.71	21.30	1.146	0.07	0.354	0.406
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	6	9262	1852.4	20.67	21.30	1.156	0.13	0.356	0.412
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	6	9538	1907.6	20.69	21.30	1.151	0.02	0.416	0.479
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	5	9400	1880	18.40	20.10	1.479	0.03	0.432	0.639
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	5	9262	1852.4	18.39	20.10	1.483	0.05	0.437	0.648
74	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	5	9538	1907.6	18.38	20.10	1.486	-0.02	0.518	0.770
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	5	9400	1880	18.40	20.10	1.479	0.01	0.356	0.527
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	6	9400	1880	18.40	19.40	1.259	0.03	0.432	0.544
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	6	9262	1852.4	18.39	19.40	1.262	0.05	0.437	0.551
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	6	9538	1907.6	18.38	19.40	1.265	-0.02	0.518	0.655
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	6	9400	1880	18.40	19.40	1.259	0.01	0.356	0.448
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	5	1413	1732.6	20.84	21.90	1.276	0.01	0.299	0.382
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	5	1413	1732.6	20.84	21.90	1.276	-0.05	0.319	0.407
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	5	1312	1712.4	20.66	21.90	1.330	-0.05	0.382	0.508
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	5	1513	1752.6	20.71	21.90	1.315	-0.01	0.371	0.488
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	6	1413	1732.6	20.84	21.20	1.086	0.01	0.299	0.325
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	6	1413	1732.6	20.84	21.20	1.086	-0.05	0.319	0.347
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	6	1312	1712.4	20.66	21.20	1.132	-0.05	0.382	0.433
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	6	1513	1752.6	20.71	21.20	1.119	-0.01	0.371	0.415
75	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	5	1413	1732.6	18.94	20.00	1.276	0.01	0.409	0.522
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	5	1312	1712.4	18.79	20.00	1.321	0.03	0.377	0.498
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	5	1513	1752.6	18.81	20.00	1.315	0.07	0.381	0.501
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	5	1413	1732.6	18.94	20.00	1.276	-0.02	0.367	0.468
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	6	1413	1732.6	18.94	19.30	1.086	0.01	0.409	0.444
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	6	1312	1712.4	18.79	19.30	1.125	0.03	0.377	0.424
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	6	1513	1752.6	18.81	19.30	1.119	0.07	0.381	0.427
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	6	1413	1732.6	18.94	19.30	1.086	-0.02	0.367	0.399
	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	5/6	4182	836.4	24.81	25.50	1.172	-0.01	0.546	0.640
76	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	5/6	4182	836.4	24.81	25.50	1.172	0.03	0.651	0.763
	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	5/6	4132	826.4	24.61	25.50	1.227	0.01	0.535	0.657
	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	5/6	4233	846.6	24.60	25.50	1.230	-0.02	0.612	0.753
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	5/6	4182	836.4	24.62	25.10	1.117	-0.18	0.197	0.220
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	5/6	4182	836.4	24.62	25.10	1.117	-0.01	0.355	0.396
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	5/6	4132	826.4	24.39	25.10	1.178	0.04	0.317	0.373
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	5/6	4233	846.6	24.50	25.10	1.148	0.02	0.329	0.378

<FDD 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	5	18900	1880	21.01	22.70	1.476	-0.16	0.322	0.475
	LTE Band 2_Ant 1	20M	QPSK	50	0	Front	10mm	5	18900	1880	21.00	22.70	1.479	-0.19	0.333	0.493
	LTE Band 2_Ant 1	20M	QPSK	1	0	Back	10mm	5	18900	1880	21.01	22.70	1.476	0.07	0.330	0.487
	LTE Band 2_Ant 1	20M	QPSK	50	0	Back	10mm	5	18900	1880	21.00	22.70	1.479	-0.13	0.336	0.497
	LTE Band 2_Ant 1	20M	QPSK	50	0	Back	10mm	5	18700	1860	20.95	22.70	1.496	0.1	0.279	0.417
77	LTE Band 2_Ant 1	20M	QPSK	50	0	Back	10mm	5	19100	1900	20.99	22.70	1.483	-0.01	0.387	0.574
	LTE Band 2_Ant 1	20M	QPSK	1	0	Front	10mm	6	18900	1880	21.01	22.00	1.256	-0.16	0.322	0.404
	LTE Band 2_Ant 1	20M	QPSK	50	0	Front	10mm	6	18900	1880	21.00	22.00	1.259	-0.19	0.333	0.419
	LTE Band 2_Ant 1	20M	QPSK	1	0	Back	10mm	6	18900	1880	21.01	22.00	1.256	0.07	0.330	0.414
	LTE Band 2_Ant 1	20M	QPSK	50	0	Back	10mm	6	18900	1880	21.00	22.00	1.259	-0.13	0.336	0.423
	LTE Band 2_Ant 1	20M	QPSK	50	0	Back	10mm	6	18700	1860	20.95	22.00	1.274	0.1	0.279	0.355
	LTE Band 2_Ant 1	20M	QPSK	50	0	Back	10mm	6	19100	1900	20.99	22.00	1.262	-0.01	0.387	0.488
	LTE Band 2_Ant 5	20M	QPSK	1	0	Front	10mm	5	18900	1880	21.05	21.90	1.216	-0.12	0.304	0.370
	LTE Band 2_Ant 5	20M	QPSK	50	0	Front	10mm	5	18900	1880	21.02	21.90	1.225	-0.08	0.316	0.387
	LTE Band 2_Ant 5	20M	QPSK	1	0	Back	10mm	5	18900	1880	21.05	21.90	1.216	-0.02	0.372	0.452
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	5	18900	1880	21.02	21.90	1.225	0.03	0.381	0.467
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	5	18700	1860	21.00	21.90	1.230	-0.16	0.320	0.394
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	5	19100	1900	21.03	21.90	1.222	-0.1	0.419	0.512
	LTE Band 2_Ant 5	20M	QPSK	1	0	Front	10mm	6	18900	1880	21.05	21.20	1.035	-0.12	0.304	0.315
	LTE Band 2_Ant 5	20M	QPSK	50	0	Front	10mm	6	18900	1880	21.02	21.20	1.042	-0.08	0.316	0.329
	LTE Band 2_Ant 5	20M	QPSK	1	0	Back	10mm	6	18900	1880	21.05	21.20	1.035	-0.02	0.372	0.385
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	6	18900	1880	21.02	21.20	1.042	0.03	0.381	0.397
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	6	18700	1860	21.00	21.20	1.047	-0.16	0.320	0.335
	LTE Band 2_Ant 5	20M	QPSK	50	0	Back	10mm	6	19100	1900	21.03	21.20	1.040	-0.1	0.419	0.436
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	5	21100	2535	19.45	20.40	1.245	0	0.521	0.648
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	5	20850	2510	19.37	20.40	1.268	0.05	0.476	0.603
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	5	21350	2560	19.44	20.40	1.247	0.01	0.418	0.521
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	5	21100	2535	19.39	20.40	1.262	0.03	0.474	0.598
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	5	21100	2535	19.45	20.40	1.245	-0.03	0.370	0.460
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	5	21100	2535	19.39	20.40	1.262	-0.04	0.473	0.597
	LTE Band 7C_Ant 2	20M	QPSK	1	0	Front	10mm	5	21350+21152	2560	19.44	20.40	1.247	-0.09	0.373	0.465
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	6	21100	2535	19.45	19.70	1.059	0	0.521	0.552
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	6	20850	2510	19.37	19.70	1.079	0.05	0.476	0.514
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	6	21350	2560	19.44	19.70	1.062	0.01	0.418	0.444
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	6	21100	2535	19.39	19.70	1.074	0.03	0.474	0.509
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	6	21100	2535	19.45	19.70	1.059	-0.03	0.370	0.392
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	6	21100	2535	19.39	19.70	1.074	-0.04	0.473	0.508
	LTE Band 7C_Ant 2	20M	QPSK	1	0	Front	10mm	6	21350+21152	2560	19.44	19.70	1.062	-0.09	0.373	0.396
78	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	5	21100	2535	19.65	21.40	1.496	-0.12	0.625	0.935
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	5	20850	2510	19.64	21.40	1.500	0.04	0.620	0.930
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	5	21350	2560	19.64	21.40	1.500	-0.02	0.535	0.802
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	5	21100	2535	19.71	21.40	1.476	0.01	0.522	0.770
	LTE Band 7_Ant 0	20M	QPSK	100	0	Front	10mm	5	21100	2535	19.71	21.40	1.476	-0.09	0.504	0.744
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	5	21100	2535	19.65	21.40	1.496	-0.02	0.467	0.699
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	5	21100	2535	19.71	21.40	1.476	-0.01	0.442	0.652
	LTE Band 7C_Ant 0	20M	QPSK	1	0	Front	10mm	5	21350+21152	2560	19.29	20.00	1.178	0.04	0.570	0.671
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	6	21100	2535	19.65	20.70	1.274	-0.12	0.625	0.796
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	6	20850	2510	19.64	20.70	1.276	0.04	0.620	0.791
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	6	21350	2560	19.64	20.70	1.276	-0.02	0.535	0.683
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	6	21100	2535	19.71	20.70	1.256	0.01	0.522	0.656
	LTE Band 7_Ant 0	20M	QPSK	100	0	Front	10mm	6	21100	2535	19.71	20.70	1.256	-0.09	0.504	0.633
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	6	21100	2535	19.65	20.70	1.274	-0.02	0.467	0.595
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	6	21100	2535	19.71	20.70	1.256	-0.01	0.442	0.555
	LTE Band 7C_Ant 0	20M	QPSK	1	0	Front	10mm	6	21350+21152	2560	19.29	19.30	1.002	0.04	0.570	0.571

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	5/6	23095	707.5	24.37	25.50	1.297	-0.05	0.344	0.446
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23095	707.5	23.32	24.50	1.312	-0.01	0.266	0.349
79	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23095	707.5	24.37	25.50	1.297	0.01	0.380	0.493
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23095	707.5	23.32	24.50	1.312	-0.01	0.300	0.394
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23095	707.5	24.32	25.10	1.197	-0.02	0.212	0.254
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23095	707.5	23.34	24.10	1.191	0	0.129	0.154
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23095	707.5	24.32	25.10	1.197	-0.12	0.175	0.209
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23095	707.5	23.34	24.10	1.191	-0.16	0.135	0.161
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23230	782	24.65	25.50	1.216	-0.08	0.405	0.493
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23230	782	23.71	24.50	1.199	-0.02	0.365	0.438
80	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23230	782	24.65	25.50	1.216	-0.08	0.440	0.535
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23230	782	23.71	24.50	1.199	0	0.365	0.438
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23230	782	24.59	25.10	1.125	-0.08	0.266	0.299
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23230	782	23.72	24.10	1.091	0	0.207	0.226
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23230	782	24.59	25.10	1.125	-0.1	0.330	0.371
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23230	782	23.72	24.10	1.091	-0.08	0.282	0.308
81	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	5	23330	793	24.27	25.00	1.183	0.01	0.450	0.532
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	5	23330	793	24.17	24.50	1.079	-0.03	0.417	0.450
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	5	23330	793	24.27	25.00	1.183	0.02	0.399	0.472
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	5	23330	793	24.17	24.50	1.079	0.02	0.354	0.382
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	6	23330	793	24.27	24.30	1.007	0.01	0.450	0.453
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	6	23330	793	24.17	24.30	1.030	-0.03	0.417	0.430
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	6	23330	793	24.27	24.30	1.007	0.02	0.399	0.402
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	6	23330	793	24.17	24.30	1.030	0.02	0.354	0.365
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23330	793	24.92	25.10	1.042	0	0.242	0.252
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23330	793	23.99	24.10	1.026	-0.04	0.199	0.204
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23330	793	24.92	25.10	1.042	-0.01	0.373	0.389
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23330	793	23.99	24.10	1.026	-0.01	0.243	0.249
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	5	26340	1880	19.89	20.70	1.205	0.01	0.258	0.311
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	5	26340	1880	19.63	20.70	1.279	0.02	0.208	0.266
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	5	26340	1880	19.89	20.70	1.205	0.01	0.268	0.323
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	5	26140	1860	19.57	20.70	1.297	-0.02	0.221	0.287
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	5	26590	1905	19.64	20.70	1.276	-0.01	0.263	0.336
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	5	26340	1880	19.63	20.70	1.279	0.06	0.249	0.319
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	6	26340	1880	19.89	20.00	1.026	0.01	0.258	0.265
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	6	26340	1880	19.63	20.00	1.089	0.02	0.208	0.226
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	6	26340	1880	19.89	20.00	1.026	0.08	0.278	0.285
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	6	26140	1860	19.57	20.00	1.104	-0.02	0.252	0.278
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	6	26590	1905	19.64	20.00	1.086	-0.01	0.263	0.286
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	6	26340	1880	19.63	20.00	1.089	0.06	0.249	0.271
82	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	5	26340	1880	19.33	20.10	1.194	-0.07	0.511	0.610
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	5	26140	1860	18.90	20.10	1.318	0.02	0.461	0.608
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	5	26590	1905	19.01	20.10	1.285	0.01	0.461	0.593
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	5	26340	1880	19.22	20.10	1.225	0.1	0.477	0.584
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	5	26340	1880	19.33	20.10	1.194	0.02	0.430	0.513
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	5	26340	1880	19.22	20.10	1.225	0.1	0.421	0.516
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	6	26340	1880	19.33	19.40	1.016	-0.07	0.511	0.519
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	6	26140	1860	18.90	19.40	1.122	0.02	0.461	0.517
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	6	26590	1905	19.01	19.40	1.094	0.01	0.461	0.504
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	6	26340	1880	19.22	19.40	1.042	0.1	0.477	0.497
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	6	26340	1880	19.33	19.40	1.016	0.02	0.430	0.437
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	6	26340	1880	19.22	19.40	1.042	0.1	0.421	0.439

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	5/6	26865	831.5	24.64	25.50	1.219	-0.01	0.514	0.627
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	5/6	26865	831.5	23.60	24.50	1.230	-0.02	0.431	0.530
83	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	5/6	26865	831.5	24.64	25.50	1.219	-0.01	0.515	0.628
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	5/6	26865	831.5	23.60	24.50	1.230	-0.02	0.431	0.530
	LTE Band 5B_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	20600+20501	844	22.91	23.80	1.227	-0.03	0.476	0.584
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	5/6	26865	831.5	24.57	25.10	1.130	0.01	0.271	0.306
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	5/6	26865	831.5	23.67	24.10	1.104	0.01	0.215	0.237
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	5/6	26865	831.5	24.57	25.10	1.130	0.17	0.376	0.425
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	5/6	26865	831.5	23.67	24.10	1.104	-0.03	0.302	0.333
	LTE Band 5B_Ant 1	10M	QPSK	1	49	Back	10mm	5/6	20450+20549	829	22.70	23.90	1.318	-0.12	0.316	0.417
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	5	27710	2310	18.85	20.60	1.496	-0.01	0.289	0.432
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	5	27710	2310	18.92	20.60	1.472	0.15	0.287	0.423
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	5	27710	2310	18.85	20.60	1.496	0	0.235	0.352
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	5	27710	2310	18.92	20.60	1.472	-0.08	0.225	0.331
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	6	27710	2310	18.85	19.90	1.274	-0.01	0.289	0.368
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	6	27710	2310	18.92	19.90	1.253	0.15	0.287	0.360
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	6	27710	2310	18.85	19.90	1.274	0	0.235	0.299
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	6	27710	2310	18.92	19.90	1.253	-0.08	0.225	0.282
84	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	5	27710	2310	19.05	20.20	1.303	-0.13	0.763	0.994
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	5	27710	2310	19.14	20.20	1.276	0.05	0.657	0.839
	LTE Band 30_Ant 0	10M	QPSK	50	0	Front	10mm	5	27710	2310	19.12	20.20	1.282	0.06	0.632	0.810
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	5	27710	2310	19.05	20.20	1.303	-0.17	0.568	0.740
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	5	27710	2310	19.14	20.20	1.276	-0.08	0.577	0.737
	LTE Band 30_Ant 0	10M	QPSK	50	0	Back	10mm	5	27710	2310	19.12	20.20	1.282	-0.11	0.574	0.736
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	6	27710	2310	19.05	19.50	1.109	-0.13	0.763	0.846
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	6	27710	2310	19.14	19.50	1.086	0.05	0.657	0.714
	LTE Band 30_Ant 0	10M	QPSK	50	0	Front	10mm	6	27710	2310	19.12	19.50	1.091	0.06	0.632	0.690
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	6	27710	2310	19.05	19.50	1.109	-0.17	0.568	0.630
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	6	27710	2310	19.14	19.50	1.086	-0.08	0.577	0.627
	LTE Band 30_Ant 0	10M	QPSK	50	0	Back	10mm	6	27710	2310	19.12	19.50	1.091	-0.11	0.574	0.626

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	Front	10mm	5	132572	1770	20.84	22.00	1.306	-0.01	0.317	0.414
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	5	132572	1770	20.72	22.00	1.343	0.02	0.264	0.354
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132572	1770	20.84	22.00	1.306	-0.07	0.345	0.451
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132072	1720	20.51	22.00	1.409	0.09	0.312	0.440
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132322	1745	20.61	22.00	1.377	0.11	0.295	0.406
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	5	132572	1770	20.72	22.00	1.343	0.02	0.333	0.447
	LTE Band 66B_Ant 2	15M	QPSK	1	74	Back	10mm	5	132047+132140	1717.5	19.07	20.40	1.358	0.03	0.278	0.378
	LTE Band 66C_Ant 2	20M	QPSK	1	99	Back	10mm	5	132072+132270	1720	19.11	20.40	1.346	0.07	0.282	0.380
	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	6	132572	1770	20.84	21.30	1.112	-0.01	0.317	0.352
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	6	132572	1770	20.72	21.30	1.143	0.02	0.264	0.302
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132572	1770	20.84	21.30	1.112	-0.07	0.345	0.384
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132072	1720	20.51	21.30	1.199	0.09	0.312	0.374
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132322	1745	20.61	21.30	1.172	0.11	0.295	0.346
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	6	132572	1770	20.72	21.30	1.143	0.02	0.333	0.381
	LTE Band 66B_Ant 2	15M	QPSK	1	74	Back	10mm	6	132047+132140	1717.5	19.07	19.70	1.156	0.03	0.278	0.321
	LTE Band 66C_Ant 2	20M	QPSK	1	99	Back	10mm	6	132072+132270	1720	19.11	19.70	1.146	0.07	0.282	0.323
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	5	132322	1745	19.75	21.50	1.496	0.12	0.551	0.824
85	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	5	132072	1720	19.61	21.50	1.545	-0.01	0.598	0.924
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	5	132572	1770	19.74	21.50	1.500	-0.08	0.551	0.826
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132572	1770	19.83	21.50	1.469	0.05	0.534	0.784
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132072	1720	19.78	21.50	1.486	0.06	0.573	0.851
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132572	1770	19.83	21.50	1.469	-0.11	0.543	0.798
	LTE Band 66_Ant 0	20M	QPSK	100	0	Front	10mm	5	132572	1770	19.66	21.50	1.528	-0.05	0.540	0.825
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	5	132322	1745	19.75	21.50	1.496	0.05	0.585	0.875
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	5	132072	1720	19.61	21.50	1.545	-0.03	0.552	0.853
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	5	132572	1770	19.74	21.50	1.500	-0.08	0.515	0.772
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	5	132572	1770	19.83	21.50	1.469	0.06	0.520	0.764
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	5	132072	1720	19.78	21.50	1.486	0.01	0.528	0.785
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	5	132572	1770	19.83	21.50	1.469	0.05	0.512	0.752
	LTE Band 66_Ant 0	20M	QPSK	100	0	Back	10mm	5	132572	1770	19.66	21.50	1.528	-0.08	0.511	0.781
	LTE Band 66B_Ant 0	15M	QPSK	1	74	Front	10mm	5	132047+132140	1717.5	19.21	20.70	1.409	0.06	0.548	0.772
	LTE Band 66C_Ant 0	20M	QPSK	1	99	Front	10mm	5	132072+132270	1720	19.03	20.70	1.469	0.1	0.581	0.853
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	6	132322	1745	19.75	20.80	1.274	0.12	0.551	0.702
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	6	132072	1720	19.61	20.80	1.315	-0.01	0.598	0.787
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	6	132572	1770	19.74	20.80	1.276	-0.08	0.551	0.703
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	6	132572	1770	19.83	20.80	1.250	0.05	0.534	0.668
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	6	132072	1720	19.78	20.80	1.265	0.06	0.573	0.725
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	6	132572	1770	19.83	20.80	1.250	-0.11	0.543	0.679
	LTE Band 66_Ant 0	20M	QPSK	100	0	Front	10mm	6	132572	1770	19.66	20.80	1.300	-0.05	0.540	0.702
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	6	132322	1745	19.75	20.80	1.274	0.05	0.585	0.745
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	6	132072	1720	19.61	20.80	1.315	-0.03	0.552	0.726
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	6	132572	1770	19.74	20.80	1.276	-0.08	0.515	0.657
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	6	132572	1770	19.83	20.80	1.250	0.06	0.520	0.650
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	6	132072	1720	19.78	20.80	1.265	0.01	0.528	0.668
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	6	132572	1770	19.83	20.80	1.250	0.05	0.512	0.640
	LTE Band 66_Ant 0	20M	QPSK	100	0	Back	10mm	6	132572	1770	19.66	20.80	1.300	-0.08	0.511	0.664
	LTE Band 66B_Ant 0	15M	QPSK	1	74	Front	10mm	6	132047+132140	1717.5	19.21	20.00	1.199	0.06	0.548	0.657
	LTE Band 66C_Ant 0	20M	QPSK	1	99	Front	10mm	6	132072+132270	1720	19.03	20.00	1.250	0.1	0.581	0.726

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	Front	10mm	5	132322	1745	21.18	22.90	1.486	-0.14	0.224	0.333
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	5	132322	1745	21.25	22.90	1.462	0.12	0.225	0.329
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	5	132322	1745	21.18	22.90	1.486	0.09	0.224	0.333
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	5	132322	1745	21.25	22.90	1.462	-0.13	0.229	0.335
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	5	132072	1720	21.20	22.90	1.479	0.08	0.204	0.302
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	5	132572	1770	21.19	22.90	1.483	-0.11	0.246	0.365
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	6	132322	1745	21.18	22.20	1.265	-0.14	0.224	0.283
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	6	132322	1745	21.25	22.20	1.245	0.12	0.225	0.280
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	6	132322	1745	21.18	22.20	1.265	0.09	0.224	0.283
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	6	132322	1745	21.25	22.20	1.245	-0.13	0.229	0.285
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	6	132072	1720	21.20	22.20	1.259	0.08	0.204	0.257
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	6	132572	1770	21.19	22.20	1.262	-0.11	0.246	0.310
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	5	132072	1720	20.40	21.20	1.202	0.05	0.136	0.164
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	5	132072	1720	20.33	21.20	1.222	-0.06	0.137	0.167
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	5	132072	1720	20.40	21.20	1.202	0.01	0.180	0.216
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	5	132072	1720	20.33	21.20	1.222	-0.16	0.180	0.220
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	5	132322	1745	20.22	21.20	1.253	-0.18	0.176	0.221
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	5	132572	1770	20.23	21.20	1.250	-0.09	0.191	0.239
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	6	132072	1720	20.40	20.50	1.023	0.05	0.136	0.139
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	6	132072	1720	20.33	20.50	1.040	-0.06	0.137	0.142
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	6	132072	1720	20.40	20.50	1.023	0.01	0.180	0.184
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	6	132072	1720	20.33	20.50	1.040	-0.16	0.180	0.187
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	6	132322	1745	20.22	20.50	1.067	-0.18	0.176	0.188
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	6	132572	1770	20.23	20.50	1.064	-0.09	0.191	0.203
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.71	25.50	1.199	-0.05	0.356	0.427
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.82	24.50	1.169	-0.04	0.283	0.331
86	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.71	25.50	1.199	-0.09	0.417	0.500
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.82	24.50	1.169	-0.03	0.295	0.345
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.51	25.10	1.146	0.02	0.181	0.207
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.59	24.10	1.125	-0.09	0.153	0.172
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.51	25.10	1.146	0.01	0.195	0.223
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.59	24.10	1.125	-0.05	0.163	0.183

<TDD 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	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	5	41490	2680	20.92	22.30	1.374	62.9	1.006	0.02	0.441	0.610
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	39750	2506	20.91	22.30	1.377	62.9	1.006	0.05	0.465	0.644
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	40185	2549.5	20.83	22.30	1.403	62.9	1.006	0	0.340	0.480
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	40620	2593	20.85	22.30	1.396	62.9	1.006	-0.04	0.349	0.490
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	41055	2636.5	20.82	22.30	1.406	62.9	1.006	-0.02	0.345	0.488
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	5	41490	2680	21.01	22.30	1.346	62.9	1.006	0.02	0.350	0.474
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	5	41490	2680	20.92	22.30	1.374	62.9	1.006	-0.03	0.225	0.311
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	5	41490	2680	21.01	22.30	1.346	62.9	1.006	0.02	0.211	0.286
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	5	41490	2680	22.49	23.90	1.384	42.9	1.009	0.04	0.274	0.383
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	5	39750	2506	22.46	23.90	1.393	42.9	1.009	-0.02	0.302	0.425
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	5	40185	2549.5	22.39	23.90	1.416	42.9	1.009	0.04	0.458	0.654
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	5	40620	2593	22.36	23.90	1.426	42.9	1.009	0.02	0.272	0.391
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	5	41055	2636.5	22.32	23.90	1.439	42.9	1.009	0.03	0.303	0.440
	LTE 41C_Ant 2	20M	QPSK	1	0	Front	10mm	5	41490+41292	2680	21.20	22.30	1.288	62.9	1.006	0.04	0.369	0.478
	LTE 38C_Ant 2	20M	QPSK	1	0	Front	10mm	5	38000+37802	2595	21.20	22.30	1.288	62.9	1.006	0.05	0.366	0.474
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	41490	2680	20.92	21.60	1.169	62.9	1.006	0.02	0.371	0.436
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	39750	2506	20.91	21.60	1.172	62.9	1.006	0.05	0.465	0.548
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	40185	2549.5	20.83	21.60	1.194	62.9	1.006	0	0.340	0.408
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	40620	2593	20.85	21.60	1.189	62.9	1.006	-0.04	0.349	0.417
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	41055	2636.5	20.82	21.60	1.197	62.9	1.006	-0.02	0.345	0.415
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	6	41490	2680	21.01	21.60	1.146	62.9	1.006	0.02	0.350	0.403
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	6	41490	2680	20.92	21.60	1.169	62.9	1.006	-0.03	0.225	0.265
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	6	41490	2680	21.01	21.60	1.146	62.9	1.006	0.02	0.211	0.243
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	6	41490	2680	22.49	23.20	1.178	42.9	1.009	0.04	0.274	0.326
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	6	39750	2506	22.46	23.20	1.186	42.9	1.009	-0.02	0.302	0.361
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	6	40185	2549.5	22.39	23.20	1.205	42.9	1.009	0.04	0.458	0.557
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	6	40620	2593	22.36	23.20	1.213	42.9	1.009	0.02	0.272	0.333
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Front	10mm	6	41055	2636.5	22.32	23.20	1.225	42.9	1.009	0.03	0.303	0.374
	LTE 41C_Ant 2	20M	QPSK	1	0	Front	10mm	6	41490+41292	2680	21.20	21.60	1.096	62.9	1.006	0.04	0.369	0.407
	LTE 38C_Ant 2	20M	QPSK	1	0	Front	10mm	6	38000+37802	2595	21.20	21.60	1.096	62.9	1.006	0.05	0.366	0.404
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	41490	2680	21.45	22.60	1.303	62.9	1.006	-0.04	0.349	0.458
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	41490	2680	21.00	22.60	1.445	62.9	1.006	0.01	0.310	0.451
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	41490	2680	21.45	22.60	1.303	62.9	1.006	0.04	0.416	0.545
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	39750	2506	21.09	22.60	1.416	62.9	1.006	0.03	0.385	0.548
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	40185	2549.5	21.06	22.60	1.426	62.9	1.006	-0.05	0.327	0.469
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620	2593	21.16	22.60	1.393	62.9	1.006	0.04	0.339	0.475
87	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	41055	2636.5	21.22	22.60	1.374	62.9	1.006	-0.12	0.490	0.677
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	41490	2680	21.00	22.60	1.445	62.9	1.006	0.02	0.352	0.512
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	41490	2680	23.11	24.30	1.315	42.9	1.009	0.05	0.371	0.492
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	39750	2506	22.65	24.30	1.462	42.9	1.009	-0.01	0.358	0.528
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	40185	2549.5	22.63	24.30	1.469	42.9	1.009	0.03	0.306	0.454
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620	2593	22.73	24.30	1.435	42.9	1.009	0.08	0.320	0.463
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	41055	2636.5	22.79	24.30	1.416	42.9	1.009	-0.03	0.432	0.617
	LTE 41C_Ant 0	20M	QPSK	1	0	Back	10mm	5	41490+41292	2680	21.20	21.90	1.175	62.9	1.006	0.15	0.256	0.303
	LTE 38C_Ant 0	20M	QPSK	1	0	Back	10mm	5	38150+37952	2610	21.62	22.60	1.253	62.9	1.006	0.03	0.254	0.320
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	41490	2680	21.45	21.90	1.109	62.9	1.006	-0.04	0.349	0.389
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	6	41490	2680	21.00	21.90	1.230	62.9	1.006	0.01	0.310	0.384
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	41490	2680	21.45	21.90	1.109	62.9	1.006	0.04	0.416	0.464
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	39750	2506	21.09	21.90	1.205	62.9	1.006	0.03	0.385	0.467
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	40185	2549.5	21.06	21.90	1.213	62.9	1.006	-0.05	0.327	0.399
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620	2593	21.16	21.90	1.186	62.9	1.006	0.04	0.339	0.404
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	41055	2636.5	21.22	21.90	1.169	62.9	1.006	-0.12	0.490	0.576
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	41490	2680	21.00	21.90	1.230	62.9	1.006	0.02	0.352	0.436
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	41490	2680	23.11	23.60	1.119	42.9	1.009	0.05	0.371	0.419
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	39750	2506	22.65	23.60	1.245	42.9	1.009	-0.01	0.358	0.450
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	40185	2549.5	22.63	23.60	1.250	42.9	1.009	0.03	0.306	0.386
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620	2593	22.73	23.60	1.222	42.9	1.009	0.08	0.320	0.394
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	41055	2636.5	22.79	23.60	1.205	42.9	1.009	-0.03	0.432	0.525
	LTE 41C_Ant 0	20M	QPSK	1	0	Back	10mm	6	41490+41292	2680	21.20	21.20	1.000	62.9	1.006	0.15	0.256	0.258
	LTE 38C_Ant 0	20M	QPSK	1	0	Back	10mm	6	38150+37952	2610	21.62	21.90	1.067	62.9	1.006	0.03	0.254	0.273

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	5	55830	3609	20.47	21.60	1.297	62.9	1.006	-0.15	0.372	0.485
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	5	55340	3560	20.17	21.60	1.390	62.9	1.006	0.02	0.334	0.467
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	5	56150	3641	20.33	21.60	1.340	62.9	1.006	0.01	0.354	0.477
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	5	56640	3690	19.93	21.60	1.469	62.9	1.006	-0.06	0.316	0.467
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	5	55830	3609	20.42	21.60	1.312	62.9	1.006	0.09	0.367	0.484
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	5	55830	3609	20.47	21.60	1.297	62.9	1.006	-0.14	0.256	0.334
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	5	55830	3609	20.42	21.60	1.312	62.9	1.006	0.12	0.237	0.313
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	6	55830	3609	20.47	20.90	1.104	62.9	1.006	-0.15	0.372	0.413
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	6	55340	3560	20.17	20.90	1.183	62.9	1.006	0.02	0.334	0.398
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	6	56150	3641	20.33	20.90	1.140	62.9	1.006	0.01	0.354	0.406
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	6	56640	3690	19.93	20.90	1.250	62.9	1.006	-0.06	0.316	0.397
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	6	55830	3609	20.42	20.90	1.117	62.9	1.006	0.09	0.367	0.412
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	6	55830	3609	20.47	20.90	1.104	62.9	1.006	-0.14	0.256	0.284
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	6	55830	3609	20.42	20.90	1.117	62.9	1.006	0.12	0.237	0.266
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5	55830	3609	22.28	23.60	1.355	62.9	1.006	0.09	0.297	0.405
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5	55340	3560	22.01	23.60	1.442	62.9	1.006	0.13	0.227	0.329
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5	56150	3641	22.09	23.60	1.416	62.9	1.006	-0.13	0.243	0.346
88	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5	56640	3690	21.75	23.60	1.531	62.9	1.006	-0.03	0.319	0.491
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	5	55830	3609	22.18	23.60	1.387	62.9	1.006	0.13	0.288	0.402
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	5	55830	3609	22.28	23.60	1.355	62.9	1.006	0.02	0.266	0.363
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	5	55830	3609	22.18	23.60	1.387	62.9	1.006	0.03	0.257	0.359
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	6	55830	3609	22.28	22.90	1.153	62.9	1.006	0.09	0.297	0.345
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	6	55340	3560	22.01	22.90	1.227	62.9	1.006	0.13	0.227	0.280
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	6	56150	3641	22.09	22.90	1.205	62.9	1.006	-0.13	0.243	0.295
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	6	56640	3690	21.75	22.90	1.303	62.9	1.006	-0.03	0.319	0.418
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	6	55830	3609	22.18	22.90	1.180	62.9	1.006	0.13	0.288	0.342
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	6	55830	3609	22.28	22.90	1.153	62.9	1.006	0.02	0.266	0.309
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	6	55830	3609	22.18	22.90	1.180	62.9	1.006	0.03	0.257	0.305

<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 1	20M	BPSK	1	53	Front	10mm	5	376000	1880	21.63	22.80	1.309	-0.15	0.367	0.480
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	5	376000	1880	21.58	22.80	1.324	0.07	0.357	0.473
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	5	376000	1880	21.63	22.80	1.309	-0.17	0.378	0.495
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	5	372000	1860	21.54	22.80	1.337	-0.02	0.306	0.409
89	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	5	380000	1900	21.58	22.80	1.324	-0.05	0.411	0.544
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	5	376000	1880	21.58	22.80	1.324	0.03	0.371	0.491
	FR1 n2_Ant 1	20M	BPSK	1	53	Front	10mm	6	376000	1880	21.63	22.10	1.114	-0.15	0.367	0.409
	FR1 n2_Ant 1	20M	BPSK	50	28	Front	10mm	6	376000	1880	21.58	22.10	1.127	0.07	0.357	0.402
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	6	376000	1880	21.63	22.10	1.114	-0.17	0.378	0.421
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	6	372000	1860	21.54	22.10	1.138	-0.02	0.306	0.348
	FR1 n2_Ant 1	20M	BPSK	1	53	Back	10mm	6	380000	1900	21.58	22.10	1.127	-0.05	0.411	0.463
	FR1 n2_Ant 1	20M	BPSK	50	28	Back	10mm	6	376000	1880	21.58	22.10	1.127	0.03	0.371	0.418
	FR1 n2_Ant 5	20M	BPSK	1	1	Front	10mm	5	376000	1880	20.38	21.90	1.419	0.01	0.204	0.289
	FR1 n2_Ant 5	20M	BPSK	50	0	Front	10mm	5	376000	1880	20.36	21.90	1.426	-0.12	0.208	0.297
	FR1 n2_Ant 5	20M	BPSK	1	1	Back	10mm	5	376000	1880	20.38	21.90	1.419	-0.09	0.274	0.389
	FR1 n2_Ant 5	20M	BPSK	50	0	Back	10mm	5	376000	1880	20.36	21.90	1.426	-0.05	0.279	0.398
	FR1 n2_Ant 5	20M	BPSK	50	0	Back	10mm	5	372000	1860	20.34	21.90	1.432	-0.03	0.251	0.359
	FR1 n2_Ant 5	20M	BPSK	50	0	Back	10mm	5	380000	1900	20.35	21.90	1.429	-0.09	0.380	0.543
	FR1 n2_Ant 5	20M	BPSK	1	1	Front	10mm	6	376000	1880	20.38	21.20	1.208	0.01	0.204	0.246
	FR1 n2_Ant 5	20M	BPSK	50	0	Front	10mm	6	376000	1880	20.36	21.20	1.213	-0.12	0.208	0.252
	FR1 n2_Ant 5	20M	BPSK	1	1	Back	10mm	6	376000	1880	20.38	21.20	1.208	-0.09	0.274	0.331
	FR1 n2_Ant 5	20M	BPSK	50	0	Back	10mm	6	376000	1880	20.36	21.20	1.213	-0.05	0.279	0.339
	FR1 n2_Ant 5	20M	BPSK	50	0	Back	10mm	6	372000	1860	20.34	21.20	1.219	-0.03	0.251	0.306
	FR1 n2_Ant 5	20M	BPSK	50	0	Back	10mm	6	380000	1900	20.35	21.20	1.216	-0.09	0.380	0.462
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	5	507000	2535	18.97	20.60	1.455	0.04	0.376	0.547
	FR1 n7_Ant 2	50M	BPSK	135	0	Front	10mm	5	507000	2535	18.91	20.60	1.476	0.07	0.328	0.484
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	5	507000	2535	18.97	20.60	1.455	0.03	0.442	0.643
	FR1 n7_Ant 2	50M	BPSK	135	0	Back	10mm	5	507000	2535	18.91	20.60	1.476	0.08	0.426	0.629
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	6	507000	2535	18.97	19.90	1.239	0.04	0.376	0.466
	FR1 n7_Ant 2	50M	BPSK	135	0	Front	10mm	6	507000	2535	18.91	19.90	1.256	0.07	0.328	0.412
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	6	507000	2535	18.97	19.90	1.239	0.03	0.442	0.548
	FR1 n7_Ant 2	50M	BPSK	135	0	Back	10mm	6	507000	2535	18.91	19.90	1.256	0.08	0.426	0.535
90	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	5	507000	2535	19.25	20.80	1.429	0.01	0.691	0.987
	FR1 n7_Ant 0	50M	BPSK	135	0	Front	10mm	5	507000	2535	19.15	20.80	1.462	0.02	0.618	0.904
	FR1 n7_Ant 0	50M	BPSK	270	0	Front	10mm	5	507000	2535	19.12	20.80	1.472	0.01	0.574	0.845
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	5	507000	2535	19.25	20.80	1.429	-0.06	0.451	0.644
	FR1 n7_Ant 0	50M	BPSK	135	0	Back	10mm	5	507000	2535	19.15	20.80	1.462	-0.03	0.414	0.605
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	6	507000	2535	19.25	20.10	1.216	0.01	0.691	0.840
	FR1 n7_Ant 0	50M	BPSK	135	0	Front	10mm	6	507000	2535	19.15	20.10	1.245	0.02	0.618	0.769
	FR1 n7_Ant 0	50M	BPSK	270	0	Front	10mm	6	507000	2535	19.12	20.10	1.253	0.01	0.574	0.719
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	6	507000	2535	19.25	20.10	1.216	-0.06	0.451	0.548
	FR1 n7_Ant 0	50M	BPSK	135	0	Back	10mm	6	507000	2535	19.15	20.10	1.245	-0.03	0.414	0.515

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 n12_Ant 0	15M	BPSK	1	1	Front	10mm	5/6	141500	707.5	24.66	25.50	1.213	-0.01	0.387	0.470
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.61	25.50	1.227	-0.05	0.402	0.493
91	FR1 n12_Ant 0	15M	BPSK	1	1	Back	10mm	5/6	141500	707.5	24.66	25.50	1.213	-0.04	0.408	0.495
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.61	25.50	1.227	-0.02	0.402	0.493
	FR1 n12_Ant 1	15M	BPSK	1	77	Front	10mm	5/6	141500	707.5	24.84	25.10	1.062	-0.07	0.206	0.219
	FR1 n12_Ant 1	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.72	25.10	1.091	0.04	0.200	0.218
	FR1 n12_Ant 1	15M	BPSK	1	77	Back	10mm	5/6	141500	707.5	24.84	25.10	1.062	0	0.227	0.241
	FR1 n12_Ant 1	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.72	25.10	1.091	-0.14	0.193	0.211
	FR1 n25_Ant 2	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	20.29	21.90	1.449	-0.04	0.268	0.388
	FR1 n25_Ant 2	40M	BPSK	108	0	Front	10mm	5	376500	1882.5	20.24	21.90	1.466	0.06	0.234	0.343
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	20.29	21.90	1.449	0.01	0.407	0.590
	FR1 n25_Ant 2	40M	BPSK	108	0	Back	10mm	5	376500	1882.5	20.24	21.90	1.466	0.09	0.402	0.589
	FR1 n25_Ant 2	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	20.29	21.20	1.233	-0.04	0.268	0.330
	FR1 n25_Ant 2	40M	BPSK	108	0	Front	10mm	6	376500	1882.5	20.24	21.20	1.247	0.06	0.234	0.292
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	20.29	21.20	1.233	0.01	0.407	0.502
	FR1 n25_Ant 2	40M	BPSK	108	0	Back	10mm	6	376500	1882.5	20.24	21.20	1.247	0.09	0.402	0.501
92	FR1 n25_Ant 0	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	18.20	19.50	1.349	-0.01	0.550	0.742
	FR1 n25_Ant 0	40M	BPSK	108	0	Front	10mm	5	376500	1882.5	18.20	19.50	1.349	0.07	0.529	0.714
	FR1 n25_Ant 0	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	18.20	19.50	1.349	0.05	0.449	0.606
	FR1 n25_Ant 0	40M	BPSK	108	0	Back	10mm	5	376500	1882.5	18.20	19.50	1.349	-0.01	0.441	0.595
	FR1 n25_Ant 0	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	18.20	18.80	1.148	-0.01	0.550	0.631
	FR1 n25_Ant 0	40M	BPSK	108	0	Front	10mm	6	376500	1882.5	18.20	18.80	1.148	0.07	0.529	0.607
	FR1 n25_Ant 0	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	18.20	18.80	1.148	0.05	0.449	0.516
	FR1 n25_Ant 0	40M	BPSK	108	0	Back	10mm	6	376500	1882.5	18.20	18.80	1.148	-0.01	0.441	0.506
93	FR1 n26_Ant 0	20M	BPSK	1	1	Front	10mm	5/6	166300	831.5	24.60	25.50	1.230	-0.09	0.604	0.743
	FR1 n26_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	166300	831.5	24.52	25.50	1.253	-0.02	0.592	0.742
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	10mm	5/6	166300	831.5	24.60	25.50	1.230	0.01	0.560	0.689
	FR1 n26_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	166300	831.5	24.52	25.50	1.253	-0.07	0.558	0.699
	FR1 n26_Ant 1	20M	BPSK	1	104	Front	10mm	5/6	166300	831.5	24.81	25.10	1.069	0	0.285	0.305
	FR1 n26_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	166300	831.5	24.75	25.10	1.084	-0.05	0.261	0.283
	FR1 n26_Ant 1	20M	BPSK	1	104	Back	10mm	5/6	166300	831.5	24.81	25.10	1.069	0	0.417	0.446
	FR1 n26_Ant 1	20M	BPSK	50	28	Back	10mm	5/6	166300	831.5	24.75	25.10	1.084	-0.06	0.402	0.436
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	5	462000	2310	18.42	20.10	1.472	-0.01	0.254	0.374
	FR1 n30_Ant 2	10M	BPSK	25	0	Front	10mm	5	462000	2310	18.41	20.10	1.476	0.06	0.233	0.344
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	5	462000	2310	18.42	20.10	1.472	-0.09	0.285	0.420
	FR1 n30_Ant 2	10M	BPSK	25	0	Back	10mm	5	462000	2310	18.41	20.10	1.476	0.03	0.254	0.375
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	6	462000	2310	18.42	19.40	1.253	-0.01	0.254	0.318
	FR1 n30_Ant 2	10M	BPSK	25	0	Front	10mm	6	462000	2310	18.41	19.40	1.256	0.06	0.233	0.293
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	6	462000	2310	18.42	19.40	1.253	-0.09	0.285	0.357
	FR1 n30_Ant 2	10M	BPSK	25	0	Back	10mm	6	462000	2310	18.41	19.40	1.256	0.03	0.254	0.319
94	FR1 n30_Ant 0	10M	BPSK	1	26	Front	10mm	5	462000	2310	17.87	19.50	1.455	-0.16	0.672	0.978
	FR1 n30_Ant 0	10m	BPSK	25	0	Front	10mm	5	462000	2310	17.89	19.50	1.449	-0.05	0.603	0.874
	FR1 n30_Ant 0	10m	BPSK	50	0	Front	10mm	5	462000	2310	17.83	19.50	1.469	-0.02	0.622	0.914
	FR1 n30_Ant 0	10M	BPSK	1	26	Back	10mm	5	462000	2310	17.87	19.50	1.455	-0.03	0.528	0.768
	FR1 n30_Ant 0	10m	BPSK	25	0	Back	10mm	5	462000	2310	17.89	19.50	1.449	0.09	0.503	0.729
	FR1 n30_Ant 0	10m	BPSK	1	26	Front	10mm	6	462000	2310	17.87	18.80	1.239	-0.16	0.672	0.832
	FR1 n30_Ant 0	10m	BPSK	25	0	Front	10mm	6	462000	2310	17.89	18.80	1.233	-0.05	0.603	0.744
	FR1 n30_Ant 0	10m	BPSK	50	0	Front	10mm	6	462000	2310	17.83	18.80	1.250	-0.02	0.622	0.778
	FR1 n30_Ant 0	10m	BPSK	1	26	Back	10mm	6	462000	2310	17.87	18.80	1.239	-0.03	0.528	0.654
	FR1 n30_Ant 0	10m	BPSK	25	0	Back	10mm	6	462000	2310	17.89	18.80	1.233	0.09	0.503	0.620

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	5	349000	1745	20.56	22.20	1.459	0.02	0.251	0.366
	FR1 n66_Ant 2	40M	BPSK	108	0	Front	10mm	5	349000	1745	20.55	22.20	1.462	0.01	0.248	0.363
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	5	349000	1745	20.56	22.20	1.459	-0.03	0.351	0.512
	FR1 n66_Ant 2	40M	BPSK	108	0	Back	10mm	5	349000	1745	20.55	22.20	1.462	0.06	0.336	0.491
	FR1 n66_Ant 2	40M	BPSK	1	1	Front	10mm	6	349000	1745	20.56	21.50	1.242	0.02	0.251	0.312
	FR1 n66_Ant 2	40M	BPSK	108	0	Front	10mm	6	349000	1745	20.55	21.50	1.245	0.01	0.248	0.309
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	6	349000	1745	20.56	21.50	1.242	-0.03	0.351	0.436
	FR1 n66_Ant 2	40M	BPSK	108	0	Back	10mm	6	349000	1745	20.55	21.50	1.245	0.06	0.336	0.418
	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	5	349000	1745	19.86	21.00	1.300	0.05	0.735	0.956
95	FR1 n66_Ant 0	40M	BPSK	108	0	Front	10mm	5	349000	1745	19.74	21.00	1.337	-0.16	0.727	0.972
	FR1 n66_Ant 0	40M	BPSK	216	0	Front	10mm	5	349000	1745	19.65	21.00	1.365	-0.13	0.650	0.887
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	5	349000	1745	19.86	21.00	1.300	-0.1	0.620	0.806
	FR1 n66_Ant 0	40M	BPSK	108	0	Back	10mm	5	349000	1745	19.74	21.00	1.337	-0.06	0.553	0.739
	FR1 n66_Ant 0	40M	BPSK	216	0	Back	10mm	5	349000	1745	19.65	21.00	1.365	-0.15	0.538	0.734
	FR1 n66_Ant 0	40M	BPSK	1	108	Front	10mm	6	349000	1745	19.86	20.30	1.107	0.05	0.735	0.813
	FR1 n66_Ant 0	40M	BPSK	108	0	Front	10mm	6	349000	1745	19.74	20.30	1.138	-0.16	0.727	0.827
	FR1 n66_Ant 0	40M	BPSK	216	0	Front	10mm	6	349000	1745	19.65	20.30	1.161	-0.13	0.650	0.755
	FR1 n66_Ant 0	40M	BPSK	1	108	Back	10mm	6	349000	1745	19.86	20.30	1.107	-0.1	0.620	0.686
	FR1 n66_Ant 0	40M	BPSK	108	0	Back	10mm	6	349000	1745	19.74	20.30	1.138	-0.06	0.553	0.629
	FR1 n66_Ant 0	40M	BPSK	216	0	Back	10mm	6	349000	1745	19.65	20.30	1.161	-0.15	0.538	0.625
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	5	349000	1745	23.20	24.60	1.380	0.03	0.310	0.428
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	10mm	5	349000	1745	23.18	24.60	1.387	0.01	0.304	0.422
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	5	349000	1745	23.20	24.60	1.380	-0.02	0.313	0.432
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	10mm	5	349000	1745	23.18	24.60	1.387	0	0.311	0.431
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	6	349000	1745	23.20	23.90	1.175	0.03	0.310	0.364
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	10mm	6	349000	1745	23.18	23.90	1.180	0.01	0.304	0.359
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	6	349000	1745	23.20	23.90	1.175	-0.02	0.313	0.368
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	10mm	6	349000	1745	23.18	23.90	1.180	0	0.311	0.367
	FR1 n66_Ant 5	40M	BPSK	1	108	Front	10mm	5	349000	1745	22.35	23.80	1.396	0.05	0.228	0.318
	FR1 n66_Ant 5	40M	BPSK	108	54	Front	10mm	5	349000	1745	22.36	23.80	1.393	0.02	0.238	0.332
	FR1 n66_Ant 5	40M	BPSK	1	108	Back	10mm	5	349000	1745	22.35	23.80	1.396	-0.01	0.330	0.461
	FR1 n66_Ant 5	40M	BPSK	108	54	Back	10mm	5	349000	1745	22.36	23.80	1.393	0.03	0.337	0.469
	FR1 n66_Ant 5	40M	BPSK	1	108	Front	10mm	6	349000	1745	22.35	23.10	1.189	0.05	0.228	0.271
	FR1 n66_Ant 5	40M	BPSK	108	54	Front	10mm	6	349000	1745	22.36	23.10	1.186	0.02	0.238	0.282
	FR1 n66_Ant 5	40M	BPSK	1	108	Back	10mm	6	349000	1745	22.35	23.10	1.189	-0.01	0.330	0.392
	FR1 n66_Ant 5	40M	BPSK	108	54	Back	10mm	6	349000	1745	22.36	23.10	1.186	0.03	0.337	0.400

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 n70_Ant 2	15M	BPSK	1	1	Front	10mm	5	340500	1702.5	20.85	22.50	1.462	0.02	0.215	0.314
	FR1 n70_Ant 2	15M	BPSK	36	0	Front	10mm	5	340500	1702.5	20.87	22.50	1.455	0.05	0.239	0.348
	FR1 n70_Ant 2	15M	BPSK	1	1	Back	10mm	5	340500	1702.5	20.85	22.50	1.462	0.04	0.269	0.393
	FR1 n70_Ant 2	15M	BPSK	36	0	Back	10mm	5	340500	1702.5	20.87	22.50	1.455	0.04	0.330	0.480
	FR1 n70_Ant 2	15M	BPSK	1	1	Front	10mm	6	340500	1702.5	20.85	21.80	1.245	0.02	0.215	0.268
	FR1 n70_Ant 2	15M	BPSK	36	0	Front	10mm	6	340500	1702.5	20.87	21.80	1.239	0.05	0.239	0.296
	FR1 n70_Ant 2	15M	BPSK	1	1	Back	10mm	6	340500	1702.5	20.85	21.80	1.245	0.04	0.269	0.335
	FR1 n70_Ant 2	15M	BPSK	36	0	Back	10mm	6	340500	1702.5	20.87	21.80	1.239	0.04	0.330	0.409
96	FR1 n70_Ant 0	15M	BPSK	1	1	Front	10mm	5	340500	1702.5	18.41	19.90	1.409	-0.01	0.375	0.528
	FR1 n70_Ant 0	15M	BPSK	36	0	Front	10mm	5	340500	1702.5	18.39	19.90	1.416	0.06	0.328	0.464
	FR1 n70_Ant 0	15M	BPSK	1	1	Back	10mm	5	340500	1702.5	18.41	19.90	1.409	0.19	0.298	0.420
	FR1 n70_Ant 0	15M	BPSK	36	0	Back	10mm	5	340500	1702.5	18.39	19.90	1.416	0.15	0.293	0.415
	FR1 n70_Ant 0	15M	BPSK	1	1	Front	10mm	6	340500	1702.5	18.41	19.20	1.199	-0.01	0.375	0.450
	FR1 n70_Ant 0	15M	BPSK	36	0	Front	10mm	6	340500	1702.5	18.39	19.20	1.205	0.06	0.328	0.395
	FR1 n70_Ant 0	15M	BPSK	1	1	Back	10mm	6	340500	1702.5	18.41	19.20	1.199	0.19	0.298	0.357
	FR1 n70_Ant 0	15M	BPSK	36	0	Back	10mm	6	340500	1702.5	18.39	19.20	1.205	0.15	0.293	0.353
	FR1 n71_Ant 0	20M	BPSK	1	1	Front	10mm	5/6	136100	680.5	24.54	25.50	1.247	-0.01	0.401	0.500
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.50	25.50	1.259	-0.1	0.395	0.497
97	FR1 n71_Ant 0	20M	BPSK	1	1	Back	10mm	5/6	136100	680.5	24.54	25.50	1.247	0.02	0.424	0.529
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.50	25.50	1.259	-0.13	0.393	0.495
	FR1 n71_Ant 1	20M	BPSK	1	53	Front	10mm	5/6	136100	680.5	24.96	25.10	1.033	-0.01	0.259	0.267
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.82	25.10	1.067	0.06	0.215	0.229
	FR1 n71_Ant 1	20M	BPSK	1	53	Back	10mm	5/6	136100	680.5	24.96	25.10	1.033	-0.02	0.214	0.221
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.82	25.10	1.067	-0.19	0.196	0.209

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 n41_Ant 2	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	20.08	21.50	1.387	-0.08	0.355	0.492
	FR1 n41_Ant 2	100M	BPSK	135	0	Front	10mm	5	518598	2592.99	19.85	21.50	1.462	0.02	0.325	0.475
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	20.08	21.50	1.387	0.06	0.292	0.405
	FR1 n41_Ant 2	100M	BPSK	135	0	Back	10mm	5	518598	2592.99	19.85	21.50	1.462	0.11	0.287	0.420
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	23.22	24.50	1.343	0.01	0.347	0.466
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	20.08	20.80	1.180	-0.08	0.355	0.419
	FR1 n41_Ant 2	100M	BPSK	135	0	Front	10mm	6	518598	2592.99	19.85	20.80	1.245	0.02	0.325	0.404
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	20.08	20.80	1.180	0.06	0.292	0.345
	FR1 n41_Ant 2	100M	BPSK	135	0	Back	10mm	6	518598	2592.99	19.85	20.80	1.245	0.11	0.287	0.357
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	23.22	23.80	1.143	0.01	0.347	0.397
98	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	19.02	20.50	1.406	-0.06	0.555	0.780
	FR1 n41_Ant 0	100M	BPSK	135	0	Front	10mm	5	518598	2592.99	18.81	20.50	1.476	0.08	0.364	0.537
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	19.02	20.50	1.406	0.03	0.306	0.430
	FR1 n41_Ant 0	100M	BPSK	135	0	Back	10mm	5	518598	2592.99	18.81	20.50	1.476	0.04	0.295	0.435
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	22.15	23.60	1.396	0.03	0.550	0.768
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	19.02	19.80	1.197	-0.06	0.555	0.664
	FR1 n41_Ant 0	100M	BPSK	135	0	Front	10mm	6	518598	2592.99	18.81	19.80	1.256	0.08	0.364	0.457
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	19.02	19.80	1.197	0.03	0.306	0.366
	FR1 n41_Ant 0	100M	BPSK	135	0	Back	10mm	6	518598	2592.99	18.81	19.80	1.256	0.04	0.295	0.371
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	22.15	22.90	1.189	0.03	0.550	0.654
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	19.38	20.70	1.355	-0.06	0.391	0.530
	FR1 n41_Ant 1	100M	BPSK	135	0	Front	10mm	5	518598	2592.99	19.33	20.70	1.371	0	0.352	0.483
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	19.38	20.70	1.355	-0.09	0.324	0.439
	FR1 n41_Ant 1	100M	BPSK	135	0	Back	10mm	5	518598	2592.99	19.33	20.70	1.371	-0.07	0.306	0.419
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	22.34	23.70	1.368	-0.08	0.372	0.509
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	19.38	20.00	1.153	-0.06	0.391	0.451
	FR1 n41_Ant 1	100M	BPSK	135	0	Front	10mm	6	518598	2592.99	19.33	20.00	1.167	0	0.352	0.411
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	19.38	20.00	1.153	-0.09	0.324	0.374
	FR1 n41_Ant 1	100M	BPSK	135	0	Back	10mm	6	518598	2592.99	19.33	20.00	1.167	-0.07	0.306	0.357
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	22.34	23.00	1.164	-0.08	0.372	0.433
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	19.73	21.40	1.469	-0.15	0.170	0.250
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	19.64	21.40	1.500	0.08	0.154	0.231
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	19.73	21.40	1.469	-0.08	0.284	0.417
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	19.64	21.40	1.500	0.04	0.201	0.301
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	137	Back	10mm	5	518598	2592.99	23.55	24.50	1.245	0.08	0.263	0.327
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	19.73	20.70	1.250	-0.15	0.170	0.213
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	19.64	20.70	1.276	0.08	0.154	0.197
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	19.73	20.70	1.250	-0.08	0.284	0.355
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	19.64	20.70	1.276	0.04	0.201	0.257
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	137	Back	10mm	6	518598	2592.99	23.55	23.80	1.059	0.08	0.263	0.279

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	5	641666	3624.99	18.61	19.70	1.285	-0.18	0.391	0.503
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	18.27	19.70	1.390	0.15	0.356	0.495
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	5	641666	3624.99	18.61	19.70	1.285	-0.05	0.326	0.419
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	18.27	19.70	1.390	-0.08	0.295	0.410
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	10mm	6	641666	3624.99	18.61	19.00	1.094	-0.18	0.391	0.428
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	18.27	19.00	1.183	0.15	0.356	0.421
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	6	641666	3624.99	18.61	19.00	1.094	-0.05	0.326	0.357
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	6	641666	3624.99	18.27	19.00	1.183	-0.08	0.295	0.349
99	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	5	641666	3624.99	20.59	22.10	1.416	-0.18	0.421	0.596
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	20.26	22.10	1.528	0.15	0.378	0.577
	FR1 n48_Ant 7	40M	BPSK	1	1	Back	10mm	5	641666	3624.99	20.59	22.10	1.416	0.06	0.309	0.437
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	20.26	22.10	1.528	0.08	0.300	0.458
	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	6	641666	3624.99	20.59	21.40	1.205	-0.18	0.421	0.507
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	20.26	21.40	1.300	0.15	0.378	0.491
	FR1 n48_Ant 7	40M	BPSK	1	1	Back	10mm	6	641666	3624.99	20.59	21.40	1.205	0.06	0.309	0.372
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	10mm	6	641666	3624.99	20.26	21.40	1.300	0.08	0.300	0.390
	FR1 n48_Ant 1	40M	BPSK	1	0	Front	10mm	5/6	641666	3624.985	21.44	22.50	1.276	-0.01	0.234	0.299
	FR1 n48_Ant 1	40M	BPSK	50	25	Front	10mm	5/6	641666	3624.99	21.44	22.50	1.276	-0.13	0.209	0.267
	FR1 n48_Ant 1	40M	BPSK	1	0	Back	10mm	5/6	641666	3624.99	21.44	22.50	1.276	0.02	0.304	0.388
	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	5/6	641666	3624.99	21.44	22.50	1.276	-0.08	0.300	0.383
	FR1 n48_Ant 5	40M	BPSK	1	0	Front	10mm	5	641666	3624.99	20.04	21.00	1.247	-0.07	0.236	0.294
	FR1 n48_Ant 5	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	19.83	21.00	1.309	0.07	0.213	0.279
	FR1 n48_Ant 5	40M	BPSK	1	0	Back	10mm	5	641666	3624.99	20.04	21.00	1.247	-0.15	0.199	0.248
	FR1 n48_Ant 5	40M	BPSK	1	0	Back	10mm	5	641666	3624.99	20.04	21.00	1.247	-0.18	0.188	0.235
	FR1 n48_Ant 5	40M	BPSK	1	0	Front	10mm	6	641666	3624.99	20.04	20.30	1.062	-0.07	0.236	0.251
	FR1 n48_Ant 5	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	19.83	20.30	1.114	0.07	0.213	0.237
	FR1 n48_Ant 5	40M	BPSK	1	0	Back	10mm	6	641666	3624.99	20.04	20.30	1.062	-0.15	0.199	0.211
	FR1 n48_Ant 5	40M	BPSK	50	25	Back	10mm	6	641666	3624.99	19.83	20.30	1.114	0.06	0.182	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)
100	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	5	656000	3840	19.33	20.40	1.279	-0.04	0.608	0.778
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	5	656000	3840	19.26	20.40	1.300	0.03	0.490	0.637
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	656000	3840	19.33	20.40	1.279	-0.02	0.238	0.304
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	5	656000	3840	19.26	20.40	1.300	0.09	0.226	0.294
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	5	656000	3840	22.24	23.60	1.368	0.09	0.565	0.773
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	656000	3840	19.33	19.70	1.089	-0.04	0.608	0.662
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	6	656000	3840	19.26	19.70	1.107	0.03	0.490	0.542
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	656000	3840	19.33	19.70	1.089	-0.02	0.238	0.259
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	6	656000	3840	19.26	19.70	1.107	0.09	0.226	0.250
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	6	656000	3840	22.24	22.90	1.164	0.09	0.565	0.658
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	19.04	20.40	1.368	0.19	0.363	0.496
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	18.96	20.40	1.393	-0.19	0.330	0.460
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	19.04	20.40	1.368	-0.16	0.351	0.480
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	18.96	20.40	1.393	-0.06	0.329	0.458
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	21.96	23.60	1.459	-0.03	0.339	0.495
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	19.04	19.70	1.164	0.19	0.363	0.423
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	18.96	19.70	1.186	-0.19	0.330	0.391
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	19.04	19.70	1.164	-0.16	0.351	0.409
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	18.96	19.70	1.186	-0.06	0.329	0.390
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	21.96	22.90	1.242	-0.03	0.339	0.421
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5	656000	3840	20.08	21.10	1.265	0.09	0.447	0.565
	FR1 n77_Ant 7	100M	BPSK	135	0	Front	10mm	5	656000	3840	19.95	21.10	1.303	-0.1	0.390	0.508
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5	656000	3840	20.08	21.10	1.265	0.08	0.335	0.424
	FR1 n77_Ant 7	100M	BPSK	135	0	Back	10mm	5	656000	3840	19.95	21.10	1.303	0.08	0.307	0.400
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Front	10mm	5	656000	3840	22.99	24.10	1.291	-0.13	0.436	0.563
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	6	656000	3840	20.08	20.40	1.076	0.09	0.447	0.481
	FR1 n77_Ant 7	100M	BPSK	135	0	Front	10mm	6	656000	3840	19.95	20.40	1.109	-0.1	0.390	0.433
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	6	656000	3840	20.08	20.40	1.076	0.08	0.335	0.361
	FR1 n77_Ant 7	100M	BPSK	135	0	Back	10mm	6	656000	3840	19.95	20.40	1.109	0.08	0.307	0.341
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Front	10mm	6	656000	3840	22.99	23.40	1.099	-0.13	0.436	0.479
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	20.23	21.10	1.222	0.19	0.174	0.213
	FR1 n77_Ant 7	100M	BPSK	135	0	Front	10mm	5	633332	3499.98	19.98	21.10	1.294	0.07	0.155	0.201
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	20.23	21.10	1.222	-0.17	0.149	0.182
	FR1 n77_Ant 7	100M	BPSK	135	0	Back	10mm	5	633332	3499.98	19.98	21.10	1.294	0.11	0.138	0.179
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	23.13	24.10	1.250	0.04	0.169	0.211
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	20.23	20.40	1.040	0.19	0.174	0.181
	FR1 n77_Ant 7	100M	BPSK	135	0	Front	10mm	6	633332	3499.98	19.98	20.40	1.102	0.07	0.155	0.171
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	20.23	20.40	1.040	-0.17	0.149	0.155
	FR1 n77_Ant 7	100M	BPSK	135	0	Back	10mm	6	633332	3499.98	19.98	20.40	1.102	0.11	0.138	0.152
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	23.13	23.40	1.064	0.04	0.169	0.180

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	5	656000	3840	22.94	23.80	1.219	-0.02	0.282	0.344
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	5	656000	3840	22.78	23.80	1.265	0.13	0.239	0.302
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5	656000	3840	22.94	23.80	1.219	-0.08	0.389	0.474
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	5	656000	3840	22.78	23.80	1.265	0.06	0.328	0.415
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	5	656000	3840	26.07	27.00	1.239	-0.08	0.389	0.482
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	6	656000	3840	22.94	23.10	1.038	-0.02	0.282	0.293
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	6	656000	3840	22.78	23.10	1.076	0.13	0.239	0.257
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	6	656000	3840	22.94	23.10	1.038	-0.08	0.389	0.404
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	6	656000	3840	22.78	23.10	1.076	0.06	0.328	0.353
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	6	656000	3840	26.07	26.30	1.054	-0.08	0.389	0.410
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	23.02	23.80	1.197	0.15	0.148	0.177
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	22.90	23.80	1.230	0.07	0.183	0.225
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	23.02	23.80	1.197	-0.03	0.247	0.296
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	22.90	23.80	1.230	-0.13	0.299	0.368
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	26.03	27.00	1.250	0.19	0.287	0.359
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	23.02	23.10	1.019	0.15	0.148	0.151
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	22.90	23.10	1.047	0.07	0.183	0.192
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	23.02	23.10	1.019	-0.03	0.247	0.252
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	22.90	23.10	1.047	-0.13	0.299	0.313
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	26.03	26.30	1.064	0.19	0.287	0.305
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5	656000	3840	20.26	21.30	1.271	-0.19	0.349	0.443
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	5	656000	3840	20.25	21.30	1.274	0.08	0.341	0.434
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5	656000	3840	20.26	21.30	1.271	-0.13	0.343	0.436
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	5	656000	3840	20.25	21.30	1.274	-0.13	0.323	0.411
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	137	Front	10mm	5	656000	3840	23.21	24.30	1.285	-0.11	0.332	0.427
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	6	656000	3840	20.26	20.60	1.081	-0.19	0.349	0.377
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	6	656000	3840	20.25	20.60	1.084	0.08	0.341	0.370
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	6	656000	3840	20.26	20.60	1.081	-0.13	0.343	0.371
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	6	656000	3840	20.25	20.60	1.084	-0.13	0.323	0.350
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	137	Front	10mm	6	656000	3840	23.21	23.60	1.094	-0.11	0.332	0.363
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	20.57	21.30	1.183	0.1	0.136	0.161
	FR1 n77_Ant 5	100M	BPSK	135	0	Front	10mm	5	633332	3499.98	20.45	21.30	1.216	-0.05	0.125	0.152
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	20.57	21.30	1.183	-0.01	0.130	0.154
	FR1 n77_Ant 5	100M	BPSK	135	0	Back	10mm	5	633332	3499.98	20.45	21.30	1.216	0	0.123	0.150
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	23.55	24.30	1.189	-0.16	0.129	0.153
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	20.57	20.60	1.007	0.1	0.136	0.137
	FR1 n77_Ant 5	100M	BPSK	135	0	Front	10mm	6	633332	3499.98	20.45	20.60	1.035	-0.05	0.125	0.129
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	20.57	20.60	1.007	-0.01	0.130	0.131
	FR1 n77_Ant 5	100M	BPSK	135	0	Back	10mm	6	633332	3499.98	20.45	20.60	1.035	0	0.123	0.127
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	23.55	23.60	1.012	-0.16	0.129	0.130

<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 3	5/6	6	2437	20.35	20.50	1.035	98.85	1.012	-0.18	0.187	0.196
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	6	2437	20.35	20.50	1.035	98.85	1.012	0.1	0.231	0.242
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	1	2412	20.15	20.50	1.084	98.85	1.012	-0.02	0.168	0.184
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	11	2462	20.35	20.50	1.035	98.85	1.012	-0.07	0.238	0.249
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	12	2467	20.35	20.50	1.035	98.85	1.012	-0.19	0.254	0.266
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	5/6	13	2472	20.25	20.50	1.059	98.85	1.012	-0.06	0.238	0.255
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	5/6	6	2437	20.45	20.50	1.012	98.97	1.010	-0.16	0.559	0.571
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	5/6	1	2412	20.35	20.50	1.035	98.97	1.010	-0.18	0.542	0.567
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	5/6	11	2462	20.15	20.50	1.084	98.97	1.010	-0.1	0.585	0.640
101	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	5/6	12	2467	20.25	20.50	1.059	98.97	1.010	-0.16	0.642	0.687
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	5/6	6	2437	20.45	20.50	1.012	98.97	1.010	-0.07	0.478	0.488
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	5/6	6	2437	20.45	20.50	1.012	93.46	1.070	-0.19	0.189	0.205
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	5/6	6	2437	20.45	20.50	1.012	93.46	1.070	-0.19	0.515	0.557
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	5/6	1	2412	20.35	20.50	1.035	93.46	1.070	-0.13	0.158	0.175
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	5/6	1	2412	20.25	20.50	1.059	93.46	1.070	-0.13	0.471	0.534
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	5/6	11	2462	19.15	19.50	1.084	93.46	1.070	-0.11	0.148	0.172
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	5/6	11	2462	19.45	19.50	1.012	93.46	1.070	-0.11	0.443	0.479
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(3)	5/6	6	2437	20.45	20.50	1.012	93.46	1.070	-0.04	0.404	0.437
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(4)	5/6	6	2437	20.45	20.50	1.012	93.46	1.070	-0.04	0.223	0.241
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	7	1	2412	17.95	18.00	1.012	98.85	1.012	-0.13	0.106	0.109
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	1	2412	17.95	18.00	1.012	98.85	1.012	-0.12	0.139	0.142
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	6	2437	17.65	18.00	1.084	98.85	1.012	-0.08	0.136	0.149
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	11	2462	17.85	18.00	1.035	98.85	1.012	0.02	0.156	0.163
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	12	2467	17.75	18.00	1.059	98.85	1.012	-0.18	0.139	0.149
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	7	13	2472	17.65	18.00	1.084	98.85	1.012	-0.02	0.137	0.150
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	12	2467	17.95	18.00	1.012	98.97	1.010	-0.12	0.360	0.368
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	1	2412	17.65	18.00	1.084	98.97	1.010	-0.07	0.320	0.350
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	6	2437	17.75	18.00	1.059	98.97	1.010	-0.09	0.346	0.370
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	11	2462	17.65	18.00	1.084	98.97	1.010	-0.19	0.329	0.360
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	7	13	2472	17.75	18.00	1.059	98.97	1.010	-0.05	0.312	0.334
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	7	12	2467	17.95	18.00	1.012	98.97	1.010	-0.07	0.282	0.288
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	7	1	2412	17.95	18.00	1.012	93.46	1.070	-0.01	0.101	0.109
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	7	1	2412	17.85	18.00	1.035	93.46	1.070	-0.01	0.311	0.344
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	7	6	2437	17.75	18.00	1.059	93.46	1.070	-0.03	0.103	0.117
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	7	6	2437	17.55	18.00	1.109	93.46	1.070	-0.03	0.288	0.342
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	7	11	2462	17.65	18.00	1.084	93.46	1.070	-0.05	0.095	0.110
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	7	11	2462	17.65	18.00	1.084	93.46	1.070	-0.05	0.300	0.348
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(3)	7	1	2412	17.95	18.00	1.012	93.46	1.070	-0.02	0.123	0.133
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(4)	7	1	2412	17.85	18.00	1.035	93.46	1.070	-0.02	0.233	0.258

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 3	8	1	2412	15.45	15.50	1.012	98.85	1.012	0.03	0.047	0.048
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	1	2412	15.45	15.50	1.012	98.85	1.012	0.03	0.062	0.063
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	6	2437	15.25	15.50	1.059	98.85	1.012	-0.03	0.066	0.071
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	11	2462	15.35	15.50	1.035	98.85	1.012	-0.17	0.082	0.086
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	12	2467	15.35	15.50	1.035	98.85	1.012	0.19	0.083	0.087
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	8	13	2472	15.25	15.50	1.059	98.85	1.012	-0.08	0.075	0.080
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	11	2462	15.35	15.50	1.035	98.97	1.010	-0.15	0.195	0.204
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	1	2412	15.25	15.50	1.059	98.97	1.010	-0.02	0.162	0.173
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	6	2437	15.25	15.50	1.059	98.97	1.010	0.19	0.168	0.180
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	12	2467	15.35	15.50	1.035	98.97	1.010	-0.01	0.193	0.202
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	8	13	2472	15.35	15.50	1.035	98.97	1.010	-0.13	0.162	0.169
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	8	11	2462	15.35	15.50	1.035	98.97	1.010	0.04	0.158	0.165
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.02	0.064	0.069
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.02	0.206	0.223
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	8	1	2412	15.45	15.50	1.012	93.46	1.070	0.03	0.044	0.048
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	8	1	2412	15.35	15.50	1.035	93.46	1.070	0.03	0.156	0.173
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	8	6	2437	15.35	15.50	1.035	93.46	1.070	0.11	0.051	0.056
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	8	6	2437	15.25	15.50	1.059	93.46	1.070	0.11	0.171	0.194
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	8	12	2467	15.45	15.50	1.012	93.46	1.070	0.10	0.052	0.056
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	8	12	2467	15.45	15.50	1.012	93.46	1.070	0.10	0.183	0.198
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(3)	8	13	2472	15.45	15.50	1.012	93.46	1.070	-0.17	0.051	0.055
	WLAN2.4GHz	802.11g 6Mbps	Front	10mm	Ant 3+4(4)	8	13	2472	15.05	15.50	1.109	93.46	1.070	-0.17	0.149	0.177
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(3)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.14	0.082	0.089
	WLAN2.4GHz	802.11g 6Mbps	Back	10mm	Ant 3+4(4)	8	11	2462	15.45	15.50	1.012	93.46	1.070	-0.14	0.145	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)
102	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(3)	5/6/7/8/9	54	5270	18.45	18.50	1.012	96.79	1.033	-0.09	0.191	0.200
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(4)	5/6/7/8/9	54	5270	18.50	18.50	1.000	96.79	1.033	-0.09	0.274	0.283
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(3)	5/6/7/8/9	62	5310	16.25	17.00	1.189	96.79	1.033	-0.06	0.106	0.130
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(4)	5/6/7/8/9	62	5310	16.70	17.00	1.072	96.79	1.033	-0.06	0.129	0.143
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 3+4(3)	5/6/7/8/9	54	5270	18.45	18.50	1.012	96.79	1.033	-0.09	0.130	0.136
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 3+4(4)	5/6/7/8/9	54	5270	18.50	18.50	1.000	96.79	1.033	-0.09	0.127	0.131
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	5/6/7/8/9	122	5610	18.35	18.50	1.035	91.94	1.088	-0.03	0.176	0.198
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	5/6/7/8/9	122	5610	18.40	18.50	1.023	91.94	1.088	-0.03	0.205	0.228
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	5/6/7/8/9	122	5610	18.35	18.50	1.035	91.94	1.088	-0.16	0.118	0.133
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	5/6/7/8/9	122	5610	18.40	18.50	1.023	91.94	1.088	-0.16	0.218	0.243
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	5/6/7/8/9	106	5530	16.35	16.50	1.035	91.94	1.088	-0.03	0.041	0.046
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	5/6/7/8/9	106	5530	16.20	16.50	1.072	91.94	1.088	-0.03	0.094	0.110
103	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	5/6/7/8/9	138	5690	18.25	18.50	1.059	91.94	1.088	-0.1	0.119	0.137
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	5/6/7/8/9	138	5690	18.10	18.50	1.096	91.94	1.088	-0.1	0.221	0.264
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	5/6	155	5775	19.65	20.00	1.084	91.94	1.088	-0.18	0.153	0.180
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	5/6	155	5775	19.00	20.00	1.259	91.94	1.088	-0.18	0.147	0.201
104	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	5/6	155	5775	19.65	20.00	1.084	91.94	1.088	-0.12	0.170	0.200
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	5/6	155	5775	19.00	20.00	1.259	91.94	1.088	-0.12	0.258	0.353
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	7/8/9	155	5775	18.15	18.50	1.084	91.94	1.088	-0.15	0.152	0.179
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	7/8/9	155	5775	18.20	18.50	1.072	91.94	1.088	-0.15	0.143	0.167
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	7/8/9	155	5775	18.15	18.50	1.084	91.94	1.088	0.16	0.132	0.156
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	7/8/9	155	5775	18.20	18.50	1.072	91.94	1.088	0.16	0.214	0.249
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	5/6	171	5855	19.95	20.00	1.012	91.94	1.088	-0.06	0.215	0.237
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	5/6	171	5855	19.80	20.00	1.047	91.94	1.088	-0.06	0.206	0.235
105	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	5/6	171	5855	19.95	20.00	1.012	91.94	1.088	-0.19	0.181	0.199
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	5/6	171	5855	19.80	20.00	1.047	91.94	1.088	-0.19	0.232	0.264
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 3+4(3)	7/8/9	163	5815	18.45	18.50	1.012	87.95	1.137	-0.04	0.163	0.187
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	10mm	Ant 3+4(4)	7/8/9	163	5815	18.40	18.50	1.023	87.95	1.137	-0.04	0.152	0.177
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 3+4(3)	7/8/9	163	5815	18.45	18.50	1.012	87.95	1.137	0.11	0.142	0.163
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	10mm	Ant 3+4(4)	7/8/9	163	5815	18.40	18.50	1.023	87.95	1.137	0.11	0.204	0.237

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-HE160 MCS0	Front	10mm	Ant 3+4(3)	5/6/7/8/9	207	6985	15.00	15.00	1.000	86.3	1.159	-0.08	0.001	0.001	0.000	0.000
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 3+4(4)	5/6/7/8/9	207	6985	14.50	15.00	1.122	86.3	1.159	-0.08	0.025	0.033	0.172	0.224
106	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	5/6/7/8/9	207	6985	15.00	15.00	1.000	86.3	1.159	-0.14	0.092	0.107	0.594	0.688
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	5/6/7/8/9	207	6985	14.50	15.00	1.122	86.3	1.159	-0.14	0.044	0.057	0.344	0.447
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	5/6/7/8/9	15	6025	13.40	13.50	1.023	86.3	1.159	-0.03	0.047	0.056	0.308	0.365
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	5/6/7/8/9	15	6025	13.50	13.50	1.000	86.3	1.159	-0.03	0.001	0.001	0.000	0.000
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	5/6/7/8/9	47	6185	13.20	13.50	1.072	86.3	1.159	-0.14	0.064	0.079	0.44	0.546
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	5/6/7/8/9	47	6185	13.50	13.50	1.000	86.3	1.159	-0.14	0.028	0.032	0.202	0.234
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	5/6/7/8/9	111	6505	13.50	13.50	1.000	86.3	1.159	-0.03	0.059	0.068	0.414	0.480
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	5/6/7/8/9	111	6505	12.90	13.50	1.148	86.3	1.159	-0.03	0.029	0.039	0.203	0.270
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	5/6/7/8/9	143	6665	13.00	13.00	1.000	86.3	1.159	0.08	0.075	0.087	0.531	0.615
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	5/6/7/8/9	143	6665	12.10	13.00	1.230	86.3	1.159	0.08	0.037	0.053	0.278	0.396

<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 3	2	0	2402	19.68	21.00	1.356	77.13	1.080	-0.11	0.122	0.179
	Bluetooth	1Mbps	Back	10mm	Ant 3	2	0	2402	19.68	21.00	1.356	77.13	1.080	-0.13	0.144	0.211
	Bluetooth	1Mbps	Back	10mm	Ant 3	2	39	2441	19.32	21.00	1.473	77.13	1.080	0	0.166	0.264
	Bluetooth	1Mbps	Back	10mm	Ant 3	2	78	2480	19.22	21.00	1.507	77.13	1.080	-0.11	0.179	0.291
107	Bluetooth	1Mbps	Front	10mm	Ant 4	2	0	2402	19.63	21.00	1.370	77.07	1.081	-0.07	0.397	0.588
	Bluetooth	1Mbps	Front	10mm	Ant 4	2	39	2441	19.61	21.00	1.376	77.07	1.081	-0.14	0.351	0.522
	Bluetooth	1Mbps	Front	10mm	Ant 4	2	78	2480	19.01	21.00	1.580	77.07	1.081	-0.12	0.316	0.540
	Bluetooth	1Mbps	Back	10mm	Ant 4	2	0	2402	19.63	21.00	1.370	77.07	1.081	-0.07	0.342	0.506
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	2	0	2402	16.50	18.00	1.412	77.07	1.081	-0.02	0.067	0.102
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	2	0	2402	16.64	18.00	1.368	77.07	1.081	-0.02	0.268	0.396
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	2	39	2441	16.36	18.00	1.458	77.07	1.081	-0.05	0.095	0.150
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	2	39	2441	16.70	18.00	1.349	77.07	1.081	-0.05	0.230	0.336
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	2	78	2480	16.39	18.00	1.448	77.07	1.081	0.02	0.095	0.149
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	2	78	2480	16.00	18.00	1.585	77.07	1.081	0.02	0.224	0.384
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(3)	2	0	2402	16.50	18.00	1.412	77.07	1.081	0.11	0.076	0.116
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(4)	2	0	2402	16.64	18.00	1.368	77.07	1.081	0.11	0.210	0.311
	Bluetooth	1Mbps	Front	10mm	Ant 3	3/4	0	2402	14.69	15.00	1.074	77.13	1.080	-0.09	0.036	0.042
	Bluetooth	1Mbps	Back	10mm	Ant 3	3/4	0	2402	14.69	15.00	1.074	77.13	1.080	-0.04	0.047	0.055
	Bluetooth	1Mbps	Back	10mm	Ant 3	3/4	39	2441	14.50	15.00	1.122	77.13	1.080	-0.12	0.047	0.057
	Bluetooth	1Mbps	Back	10mm	Ant 3	3/4	78	2480	14.39	15.00	1.151	77.13	1.080	-0.07	0.061	0.076
	Bluetooth	1Mbps	Front	10mm	Ant 4	3/4	0	2402	14.61	15.00	1.094	77.07	1.081	0.1	0.163	0.193
	Bluetooth	1Mbps	Front	10mm	Ant 4	3/4	39	2441	14.59	15.00	1.099	77.07	1.081	-0.15	0.102	0.121
	Bluetooth	1Mbps	Front	10mm	Ant 4	3/4	78	2480	14.24	15.00	1.191	77.07	1.081	-0.12	0.102	0.131
	Bluetooth	1Mbps	Back	10mm	Ant 4	3/4	0	2402	14.61	15.00	1.094	77.07	1.081	-0.13	0.119	0.141
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	3/4	0	2402	14.33	15.00	1.167	77.07	1.081	-0.05	0.046	0.058
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	3/4	0	2402	14.37	15.00	1.156	77.07	1.081	-0.05	0.155	0.194
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	3/4	39	2441	14.12	15.00	1.225	77.07	1.081	-0.06	0.046	0.061
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	3/4	39	2441	14.40	15.00	1.148	77.07	1.081	-0.06	0.143	0.177
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	3/4	78	2480	14.13	15.00	1.222	77.07	1.081	-0.04	0.047	0.062
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	3/4	78	2480	13.88	15.00	1.294	77.07	1.081	-0.04	0.138	0.193
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(3)	3/4	0	2402	14.33	15.00	1.167	77.07	1.081	0.01	0.048	0.061
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(4)	3/4	0	2402	14.37	15.00	1.156	77.07	1.081	0.01	0.091	0.114

15.4 Product Specific SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
108	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	0mm	5	512	1850.2	21.33	22.60	1.340	-0.03	1.840	2.465
	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	0mm	5	661	1880	21.34	22.60	1.337	0.09	1.340	1.791
	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	0mm	5	810	1909.8	20.90	22.60	1.479	-0.04	1.360	2.012

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
109	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	20850	2510	19.64	21.40	1.500	-0.04	1.210	1.815
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	21100	2535	19.65	21.40	1.496	-0.06	1.160	1.736
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	21350	2560	19.64	21.40	1.500	-0.04	1.150	1.725
	LTE Band 7C_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	21350+21152	2560	19.29	20.00	1.178	0.06	1.090	1.284
110	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	26340	1880	19.33	20.10	1.194	-0.07	2.040	2.436
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	26140	1860	18.90	20.10	1.318	-0.04	1.440	1.898
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	26590	1905	19.01	20.10	1.285	-0.02	1.780	2.288
111	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Side	0mm	5	27710	2310	19.05	20.20	1.303	-0.03	1.420	1.850
112	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	132072	1720	19.61	21.50	1.545	0.02	0.733	1.133
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	132322	1745	19.75	21.50	1.496	0.03	0.726	1.086
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	132572	1770	19.74	21.50	1.500	0.09	0.729	1.093
	LTE Band 66B_Ant 0	15M	QPSK	1	74	Bottom Side	0mm	5	132047+132140	1717.5	19.21	20.70	1.409	0.01	0.610	0.860
	LTE Band 66C_Ant 0	20M	QPSK	1	99	Bottom Side	0mm	5	132072+132270	1720	19.03	20.70	1.469	0.03	0.590	0.867

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	39750	2506	21.09	22.60	1.416	62.9	1.006	-0.07	0.837	1.192
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	40185	2549.5	21.06	22.60	1.426	62.9	1.006	0.06	0.826	1.185
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	40620	2593	21.16	22.60	1.393	62.9	1.006	0.04	0.725	1.016
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	41055	2636.5	21.22	22.60	1.374	62.9	1.006	-0.09	1.090	1.507
113	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	41490	2680	21.45	22.60	1.303	62.9	1.006	-0.04	1.270	1.665
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	39750	2506	22.65	24.30	1.462	42.9	1.009	0.03	0.836	1.233
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	40185	2549.5	22.63	24.30	1.469	42.9	1.009	0.02	0.800	1.186
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	40620	2593	22.73	24.30	1.435	42.9	1.009	0.04	0.697	1.010
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	41055	2636.5	22.79	24.30	1.416	42.9	1.009	-0.01	1.080	1.543
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	41490	2680	23.11	24.30	1.315	42.9	1.009	0.05	1.050	1.393
	LTE 41C_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	5	41490+41292	2680	21.20	21.90	1.175	62.9	1.006	0.15	0.960	1.135
	LTE 38C_Ant 0	20M	QPSK	1	0	Bottom Side	10mm	5	38150+37952	2610	21.62	22.60	1.253	62.9	1.006	0.03	1.100	1.387

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
114	FR1 n7_Ant 0	50M	BPSK	1	1	Bottom Side	0mm	5	507000	2535	19.25	20.80	1.429	-0.04	1.100	1.572
115	FR1 n30_Ant 0	10M	BPSK	1	26	Bottom Side	0mm	5	462000	2310	17.87	19.50	1.455	0.01	1.040	1.514
116	FR1 n66_Ant 0	40M	BPSK	108	0	Bottom Side	0mm	5	349000	1745	19.74	21.00	1.337	-0.03	0.713	0.953
117	FR1 n41_Ant 0	100M	BPSK	1	1	Bottom Side	0mm	5	518598	2592.99	19.02	20.50	1.406	-0.03	1.000	1.406
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Bottom Side	0mm	5	518598	2592.99	22.15	23.60	1.396	0.04	0.956	1.335

<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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 3+4(3)	5/6/7/8/9	54	5270	18.45	18.50	1.012	96.79	1.033	-0.14	0.672	0.702
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 3+4(4)	5/6/7/8/9	54	5270	18.50	18.50	1.000	96.79	1.033	-0.14	1.010	1.043
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 3+4(3)	5/6/7/8/9	54	5270	18.45	18.50	1.012	96.79	1.033	-0.13	0.198	0.207
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 3+4(4)	5/6/7/8/9	54	5270	18.50	18.50	1.000	96.79	1.033	-0.13	0.245	0.253
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 3+4(3)	5/6/7/8/9	54	5270	18.45	18.50	1.012	96.79	1.033	0.04	0.575	0.601
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 3+4(4)	5/6/7/8/9	54	5270	18.50	18.50	1.000	96.79	1.033	0.04	0.001	0.001
118	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+4(3)	5/6/7/8/9	54	5270	18.45	18.50	1.012	96.79	1.033	-0.1	0.016	0.017
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+4(4)	5/6/7/8/9	54	5270	18.50	18.50	1.000	96.79	1.033	-0.1	1.250	1.291
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+4(3)	5/6/7/8/9	62	5310	16.25	17.00	1.189	96.79	1.033	-0.15	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 3+4(4)	5/6/7/8/9	62	5310	16.70	17.00	1.072	96.79	1.033	-0.15	0.785	0.869
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 3+4(3)	5/6/7/8/9	54	5270	18.45	18.50	1.012	96.79	1.033	-0.04	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 3+4(4)	5/6/7/8/9	54	5270	18.50	18.50	1.000	96.79	1.033	-0.04	0.305	0.315
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(3)	5/6/7/8/9	122	5610	18.35	18.50	1.035	91.94	1.088	0.12	0.812	0.915
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(4)	5/6/7/8/9	122	5610	18.40	18.50	1.023	91.94	1.088	0.12	1.010	1.124
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(3)	5/6/7/8/9	122	5610	18.35	18.50	1.035	91.94	1.088	-0.17	0.258	0.291
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(4)	5/6/7/8/9	122	5610	18.40	18.50	1.023	91.94	1.088	-0.17	0.437	0.487
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 3+4(3)	5/6/7/8/9	122	5610	18.35	18.50	1.035	91.94	1.088	0.06	0.815	0.918
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 3+4(4)	5/6/7/8/9	122	5610	18.40	18.50	1.023	91.94	1.088	0.06	0.001	0.001
119	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+4(3)	5/6/7/8/9	122	5610	18.35	18.50	1.035	91.94	1.088	-0.14	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+4(4)	5/6/7/8/9	122	5610	18.40	18.50	1.023	91.94	1.088	-0.14	1.290	1.436
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+4(3)	5/6/7/8/9	106	5530	16.35	16.50	1.035	91.94	1.088	0.11	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+4(4)	5/6/7/8/9	106	5530	16.20	16.50	1.072	91.94	1.088	0.11	0.706	0.823
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+4(3)	5/6/7/8/9	138	5690	18.25	18.50	1.059	91.94	1.088	-0.15	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+4(4)	5/6/7/8/9	138	5690	18.10	18.50	1.096	91.94	1.088	-0.15	1.150	1.372
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 3+4(3)	5/6/7/8/9	122	5610	18.35	18.50	1.035	91.94	1.088	0.02	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 3+4(4)	5/6/7/8/9	122	5610	18.40	18.50	1.023	91.94	1.088	0.02	0.459	0.511
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(3)	5/6	171	5855	19.95	20.00	1.012	91.94	1.088	-0.11	1.120	1.233
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(4)	5/6	171	5855	19.80	20.00	1.047	91.94	1.088	-0.11	1.060	1.208
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(3)	5/6	171	5855	19.95	20.00	1.012	91.94	1.088	-0.14	0.307	0.338
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(4)	5/6	171	5855	19.80	20.00	1.047	91.94	1.088	-0.14	0.420	0.478
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 3+4(3)	5/6	171	5855	19.95	20.00	1.012	91.94	1.088	-0.12	0.817	0.899
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 3+4(4)	5/6	171	5855	19.80	20.00	1.047	91.94	1.088	-0.12	0.001	0.001
120	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+4(3)	5/6	171	5855	19.95	20.00	1.012	91.94	1.088	-0.17	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 3+4(4)	5/6	171	5855	19.80	20.00	1.047	91.94	1.088	-0.17	1.390	1.584
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 3+4(3)	5/6	171	5855	19.95	20.00	1.012	91.94	1.088	-0.12	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 3+4(4)	5/6	171	5855	19.80	20.00	1.047	91.94	1.088	-0.12	0.537	0.612
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 3+4(3)	7/8/9	163	5815	18.45	18.50	1.012	87.95	1.137	-0.08	0.751	0.864
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 3+4(4)	7/8/9	163	5815	18.40	18.50	1.023	87.95	1.137	-0.08	0.659	0.767
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 3+4(3)	7/8/9	163	5815	18.45	18.50	1.012	87.95	1.137	-0.12	0.219	0.252
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 3+4(4)	7/8/9	163	5815	18.40	18.50	1.023	87.95	1.137	-0.12	0.274	0.319
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 3+4(3)	7/8/9	163	5815	18.45	18.50	1.012	87.95	1.137	-0.12	0.613	0.705
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 3+4(4)	7/8/9	163	5815	18.40	18.50	1.023	87.95	1.137	-0.12	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 3+4(3)	7/8/9	163	5815	18.45	18.50	1.012	87.95	1.137	-0.05	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 3+4(4)	7/8/9	163	5815	18.40	18.50	1.023	87.95	1.137	-0.05	1.110	1.291
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 3+4(3)	7/8/9	163	5815	18.45	18.50	1.012	87.95	1.137	-0.17	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 3+4(4)	7/8/9	163	5815	18.40	18.50	1.023	87.95	1.137	-0.17	0.390	0.454

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 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 3+4(3)	5/6/7/8/9	207	6985	15.00	15.00	1.000	86.3	1.159	-0.15	0.137	0.159	3.240	3.755
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 3+4(4)	5/6/7/8/9	207	6985	14.50	15.00	1.122	86.3	1.159	-0.15	0.095	0.124	2.150	2.796
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 3+4(3)	5/6/7/8/9	207	6985	15.00	15.00	1.000	86.3	1.159	0.19	0.136	0.158	3.160	3.662
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 3+4(4)	5/6/7/8/9	207	6985	14.50	15.00	1.122	86.3	1.159	0.19	0.073	0.095	1.710	2.224
121	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(3)	5/6/7/8/9	207	6985	15.00	15.00	1.000	86.3	1.159	0.01	0.278	0.322	6.570	7.615
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(4)	5/6/7/8/9	207	6985	14.50	15.00	1.122	86.3	1.159	0.01	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(3)	5/6/7/8/9	15	6025	13.40	13.50	1.023	86.3	1.159	-0.1	0.224	0.266	5.280	6.262
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(4)	5/6/7/8/9	15	6025	13.50	13.50	1.000	86.3	1.159	-0.1	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(3)	5/6/7/8/9	47	6185	13.20	13.50	1.072	86.3	1.159	0.16	0.214	0.266	5.000	6.209
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(4)	5/6/7/8/9	47	6185	13.50	13.50	1.000	86.3	1.159	0.16	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(3)	5/6/7/8/9	111	6505	13.50	13.50	1.000	86.3	1.159	-0.13	0.189	0.219	4.470	5.181
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(4)	5/6/7/8/9	111	6505	12.90	13.50	1.148	86.3	1.159	-0.13	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(3)	5/6/7/8/9	143	6665	13.00	13.00	1.000	86.3	1.159	0.12	0.202	0.234	4.790	5.552
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 3+4(4)	5/6/7/8/9	143	6665	12.10	13.00	1.230	86.3	1.159	0.12	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 3+4(3)	5/6/7/8/9	207	6985	15.00	15.00	1.000	86.3	1.159	-0.17	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 3+4(4)	5/6/7/8/9	207	6985	14.50	15.00	1.122	86.3	1.159	-0.17	0.148	0.192	3.460	4.499
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	0mm	Ant 3+4(3)	5/6/7/8/9	207	6985	15.00	15.00	1.000	86.3	1.159	0.14	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	0mm	Ant 3+4(4)	5/6/7/8/9	207	6985	14.50	15.00	1.122	86.3	1.159	0.14	0.093	0.121	2.170	2.822

<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
122	NFC	Back	0mm	13.56	-0.17	0.131
	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-HE160 MCS0	Front	2mm	Ant 3+4(4)	15	6025	11.80	0.0625	2.08	-0.24359346	2.14	2.51
WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 3+4(4)	15	6025	11.80	0.25	2.2		0.877	0.891
WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	207	6985	11.80	0.0625	1.51	-0.81094441	0.876	1.13
WLAN6GHz	802.11ax-HE160 MCS0	Front	8.59mm	Ant 3+4(3)	207	6985	11.80	0.25	1.82		0.521	0.634

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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-HE160 MCS0	Front	2mm	Ant 3+4(4)	1	15	6025	11.80	12.00	1.047	86.30	1.159	0.0625	1.5535	-0.06	2.14	4.03	2.51	4.73
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	1	47	6185	11.60	12.00	1.096	86.30	1.159	0.0625	1.5535	-0.09	1.91	3.77	2.54	5.01
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	1	111	6505	10.00	10.00	1.000	86.30	1.159	0.0625	1.5535	-0.07	1.07	1.93	1.19	2.14
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	1	143	6665	8.40	8.50	1.023	86.30	1.159	0.0625	1.5535	0.07	1.29	2.38	1.4	2.58
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	1	207	6985	11.80	12.00	1.047	86.30	1.159	0.0625	1.5535	-0.12	0.876	1.65	1.13	2.13
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	5	207	6985	15.00	15.00	1.000	86.30	1.159	0.0625	1.5535	0.02	1.22	2.20	1.51	2.72
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 3+4(3)	5	207	6985	15.00	15.00	1.000	86.30	1.159	0.0625	1.5535	0.03	1.62	2.92	1.82	3.28
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 3+4(3)	5	15	6025	13.40	13.50	1.023	86.30	1.159	0.0625	1.5535	-0.16	2.1	3.87	2.44	4.50
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 3+4(3)	5	47	6185	13.20	13.50	1.072	86.30	1.159	0.0625	1.5535	0.09	2.07	3.99	2.41	4.65
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 3+4(3)	5	111	6505	13.50	13.50	1.000	86.30	1.159	0.0625	1.5535	0.17	1.73	3.11	1.92	3.46
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 3+4(3)	5	143	6665	13.00	13.00	1.000	86.30	1.159	0.0625	1.5535	-0.17	2.32	4.18	2.63	4.74
123	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 3+4(3)	5	207	6985	15.00	15.00	1.000	86.30	1.159	0.0625	1.5535	0.16	3.62	6.52	4.16	7.49
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 3+4(4)	5	207	6985	14.50	15.00	1.122	86.30	1.159	0.0625	1.5535	0.17	1.45	2.93	1.61	3.25
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	2mm	Ant 3+4(4)	5	207	6985	14.50	15.00	1.122	86.30	1.159	0.0625	1.5535	0.04	1.91	3.86	2.08	4.20

15.6 Repeated SAR Measurement

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)	Ratio	Reported 1g SAR (W/kg)
1st	FR1 n66_Ant 1	40M	BPSK	216	0	Right Tilted	0mm	2	349000	1745	19.39	20.10	1.178	-0.04	0.847	-	0.997
2nd	FR1 n66_Ant 1	40M	BPSK	216	0	Right Tilted	0mm	2	349000	1745	19.39	20.10	1.178	0.02	0.832	1.018	0.980
1st	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Side	10mm	4	376500	1882.5	18.20	18.20	1.000	0	0.846	-	0.846
2nd	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Side	10mm	4	376500	1882.5	18.20	18.20	1.000	0.09	0.813	1.041	0.813

No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	26340	1880	19.33	20.10	1.194	-0.07	2.040	-	2.436
2nd	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Side	0mm	5	26340	1880	19.33	20.10	1.194	-0.07	2.020	1.01	2.412

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. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The ratio is the difference in percentage between original and repeated *measured SAR*.
5. 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)	23.9	25.6
Reported 1g SAR (W/kg)	0.905	0.827
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	155.38	157.21
Linearity SAR(W/kg)	0.92	
% deviation from expected linearity		-9.68%

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.7	26.5
Reported 1g SAR (W/kg)	0.169	0.214
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	148.39	193.41
Linearity SAR(W/kg)	0.22	
% deviation from expected linearity		-2.85%

<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)	21.2	22.8
Reported 1g SAR (W/kg)	0.587	0.614
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	83.45	82.51
Linearity SAR(W/kg)	0.58	
% deviation from expected linearity		5.79%

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.9	21.6
Reported 1g SAR (W/kg)	0.676	0.685
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	61.86	62.59
Linearity SAR(W/kg)	0.68	
% deviation from expected linearity		0.15%

<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)	22.3	23.9
Reported 1g SAR (W/kg)	0.61	0.654
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	107.50	106.29
Linearity SAR(W/kg)	0.60	
% deviation from expected linearity		8.43%
	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.6	24.3
Reported 1g SAR (W/kg)	0.677	0.617
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	115.19	116.54
Linearity SAR(W/kg)	0.68	
% deviation from expected linearity		-9.92%

<LTE Band 41 Linearity Data for Product Specific >

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.6	24.3
Reported 1g SAR (W/kg)	1.665	1.543
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	115.19	116.54
Linearity SAR(W/kg)	1.68	
% deviation from expected linearity		-8.41%

15.8 FR1 n41/n77 Power Class 2 and Power Class 3 Linearity

This device support Power Class 2 and Power Class 3 operations for FR1 n41/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 n41 Linearity Data for Head>

	FR1 n41_Ant 2 (Power Class 3)	FR1 n41_Ant 2 (Power Class 2)
Maximum Tune up Power (dBm)	22.4	25.4
Reported 1g SAR (W/kg)	0.812	0.796
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	173.78	173.37
Linearity SAR(W/kg)	0.81	
% deviation from expected linearity		-1.74%
	FR1 n41_Ant 0 (Power Class 3)	FR1 n41_Ant 0 (Power Class 2)
Maximum Tune up Power (dBm)	23.7	26.5
Reported 1g SAR (W/kg)	0.313	0.285
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	234.42	223.34
Linearity SAR(W/kg)	0.30	
% deviation from expected linearity		-4.43%
	FR1 n41_Ant 1 (Power Class 3)	FR1 n41_Ant 1 (Power Class 2)
Maximum Tune up Power (dBm)	14.40	17.40
Reported 1g SAR (W/kg)	0.845	0.815
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	27.54	27.48
Linearity SAR(W/kg)	0.84	
% deviation from expected linearity		-3.32%
	FR1 n41_Ant 5 (Power Class 3)	FR1 n41_Ant 5 (Power Class 2)
Maximum Tune up Power (dBm)	17.40	20.50
Reported 1g SAR (W/kg)	0.612	0.563
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	54.95	56.10
Linearity SAR(W/kg)	0.62	
% deviation from expected linearity		-9.89%

<FR1 n77 Linearity Data for Head>

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.2	25.4
Reported 1g SAR (W/kg)	0.646	0.729
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	165.96	173.37
Linearity SAR(W/kg)	0.67	
% deviation from expected linearity		8.03%

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24	27
Reported 1g SAR (W/kg)	0.5	0.498
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR(W/kg)	0.50	
% deviation from expected linearity		-0.16%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.80	25.00
Reported 1g SAR (W/kg)	0.802	0.921
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	151.36	158.11
Linearity SAR(W/kg)	0.84	
% deviation from expected linearity		9.93%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	15.10	18.10
Reported 1g SAR (W/kg)	0.618	0.607
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	32.36	32.28
Linearity SAR(W/kg)	0.62	
% deviation from expected linearity		-1.55%

<FR1 n41 Linearity Data for Hotspot>

	FR1 n41_Ant 2	FR1 n41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.7	21.7
Reported 1g SAR (W/kg)	0.505	0.553
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	74.13	73.96
Linearity SAR(W/kg)	0.50	
% deviation from expected linearity		9.76%

	FR1 n41_Ant 0	FR1 n41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.4	21.5
Reported 1g SAR (W/kg)	0.719	0.744
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	69.18	70.63
Linearity SAR(W/kg)	0.73	
% deviation from expected linearity		1.36%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.30	22.30
Reported 1g SAR (W/kg)	0.815	0.732
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	85.11	84.91
Linearity SAR(W/kg)	0.81	
% deviation from expected linearity		-9.97%

	FR1 n41_Ant 5	FR1 n41_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.40	22.50
Reported 1g SAR (W/kg)	0.483	0.503
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	87.10	88.91
Linearity SAR(W/kg)	0.49	
% deviation from expected linearity		2.01%

<FR1 n77 Linearity Data for Hotspot>

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17.5	20.7
Reported 1g SAR (W/kg)	0.58	0.557
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	58.74
Linearity SAR(W/kg)	0.61	
% deviation from expected linearity		-8.07%

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.4	23.4
Reported 1g SAR (W/kg)	0.64	0.637
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	109.65	109.39
Linearity SAR(W/kg)	0.64	
% deviation from expected linearity		-0.23%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.10	26.30
Reported 1g SAR (W/kg)	0.491	0.503
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	204.17	213.29
Linearity SAR(W/kg)	0.51	
% deviation from expected linearity		-1.93%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.10	22.10
Reported 1g SAR (W/kg)	0.648	0.584
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	81.28	81.09
Linearity SAR(W/kg)	0.65	
% deviation from expected linearity		-9.66%

<FR1 n41 Linearity Data for Body-worn>

	FR1 n41_Ant 2	FR1 n41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.4	22.4
Reported 1g SAR (W/kg)	0.378	0.412
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	87.10	86.89
Linearity SAR(W/kg)	0.38	
% deviation from expected linearity		9.25%

	FR1 n41_Ant 0	FR1 n41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.3	22.4
Reported 1g SAR (W/kg)	0.709	0.736
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	85.11	86.89
Linearity SAR(W/kg)	0.72	
% deviation from expected linearity		1.69%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.70	23.70
Reported 1g SAR (W/kg)	0.53	0.509
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	117.49	117.21
Linearity SAR(W/kg)	0.53	
% deviation from expected linearity		-3.73%

	FR1 n41_Ant 5	FR1 n41_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.10	23.20
Reported 1g SAR (W/kg)	0.327	0.36
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	102.33	104.46
Linearity SAR(W/kg)	0.33	
% deviation from expected linearity		7.84%

<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)	19.6	22.8
Reported 1g SAR (W/kg)	0.725	0.716
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	91.20	95.27
Linearity SAR(W/kg)	0.76	
% deviation from expected linearity		-5.46%

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.1	24.1
Reported 1g SAR (W/kg)	0.565	0.563
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	128.82	128.52
Linearity SAR(W/kg)	0.56	
% deviation from expected linearity		-0.12%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.80	27.00
Reported 1g SAR (W/kg)	0.474	0.482
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	239.88	250.59
Linearity SAR(W/kg)	0.50	
% deviation from expected linearity		-2.66%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.10	23.10
Reported 1g SAR (W/kg)	0.406	0.367
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	102.33	102.09
Linearity SAR(W/kg)	0.41	
% deviation from expected linearity		-9.39%

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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”

[2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992

[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] SPEAG DASY System Handbook

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

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

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

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

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

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

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

[12] FCC KDB 941225 D07 v01r02, " SAR Evaluation Procedures for UMPC Mini-Tablet Devices", Oct 2015.

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

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

[15] 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

[16] SPEAG DASY6 System Handbook

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