FCC SAR TEST REPORT

FCC ID	:	**A4RGUL82**
Equipment	:	**Phone**
Model Name	:	**GUL82**
Applicant	:	**Google LLC 1600 Amphitheatre Parkway, Mountain View, CA, 94043 USA**
Standard	:	**FCC 47 CFR Part 2 (2.1093)**

The product was received on Nov. 28, 2024 and testing was started from Jan. 17, 2025 and completed on Apr. 30, 2025. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been pass the FCC requirement.

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

Approved by: Cona Huang / Deputy Manager

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History of this test report

Report No.	Version	Description	Issued Date
FA4N0918C	01	Initial issue of report	May 02, 2025
FA4N0918C	02	1. Update section 2.2, 3 2. Update appendix E, D-1, D-2	May 06, 2025
FA4N0918C	03	1. Update section 2.2, 3, 14.3 2. Update appendix D-1, D-2, F	May 12, 2025

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for Google LLC, Phone, GUL82, 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	0.99	0.97	0.83		1.59	2.70
	GSM1900	0.35	0.99	0.84	2.49		
	WCDMA II	0.43	0.99	0.85	2.23		
	WCDMA IV	0.38	0.74	0.81	2.39		
	WCDMA V	0.98	0.53	0.53			
	LTE B7	0.71	0.68	0.84	2.49		
	LTE B12/B17	0.97	0.34	0.50			
	LTE B13	0.81	0.53	0.51			
	LTE B14	0.81	0.53	0.50			
	LTE B25/B2	0.91	0.85	0.83	2.35		
	LTE B26/B5	0.91	0.57	0.57			
	LTE B30	0.58	0.83	0.77	2.47		
	LTE B41/B38	0.41	0.57	0.85	2.48		
	LTE B48	0.22	0.36	0.74			
	LTE B66/B4	0.99	0.63	0.84	2.48		
	LTE B71	0.95	0.21	0.32			
	FR1 n7	0.70	0.76	0.81	2.47		
	FR1 n12	0.75	0.35	0.55			
	FR1 n14	0.94	0.55	0.57			
	FR1 n25/n2	0.97	0.81	0.83	2.13		
	FR1 n26/n5	0.82	0.58	0.61			
	FR1 n30	0.50	0.73	0.68			
	FR1 n41/n38	0.87	0.76	0.85			
	FR1 n48	0.93	0.54	0.74			
	FR1 n66	0.99	0.93	0.84			
	FR1 n70	0.31	0.74	0.76			
	FR1 n71	0.99	0.25	0.36			
	FR1 n77/n78	0.89	0.66	0.64			
	NTN B23		0.93		2.45		
	NTN B255		0.91		2.05		
DTS	2.4GHz WLAN	0.75	0.65	0.20		1.58	
NII	5GHz WLAN	0.79	0.78	0.25	2.70	1.59	2.70
6CD	6GHz WLAN	0.75	0.16	0.16	0.67	1.59	2.70
DSS	Bluetooth	0.22	0.29	0.25		1.59	
DTS	Thread	0.22	0.55	0.21		1.57	
DXX	NFC				0.01		2.70
Equipment Class	Frequency Band	Head	Body-worn	Hotspot	Product Specific	Reported PD (mW/cm^2)	
		Reported APD (mW/cm^2)	Reported APD (mW/cm^2)	Reported APD (mW/cm^2)	Reported APD (mW/cm^2)		
6CD	6GHz WLAN	0.46	0.13	0.13	1.59	0.74	
Date of Testing:		2025/1/17 ~ 2025/4/30					

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation and the FCC designation No. TW3786 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: Carlie Tsai

2. Equipment Under Test (EUT) Information

2.1 General Information

Product Feature & Specification	
Equipment Name	Phone
Model Name	GUL82
FCC ID	A4RGUL82
S/N	51061FDCQ000L7, 51061FDCQ000JP, 4B191FDCQ000J6, 4B191FDCQ000AX
Wireless Technology and Frequency Range	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n14 : 788 MHz ~ 798 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450MHz ~ 3550MHz 5G NR n258 : 24.25 GHz~24.45 GHz, 24.75GHz ~25.25GHz 5G NR n260 : 37 GHz~40 GHz 5G NR n261 : 27.5 GHz~28.35 GHz NTN NB IoT B23: 2000 MHz ~2020 MHz NTN NB IoT B255: 1626.5 MHz ~ 1660.5 MHz WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz WLAN 5.9 GHz Band: 5850 MHz ~ 5895 MHz WLAN 6E: 5925 MHz ~ 6425 MHz, 6425 MHz~6525 MHz, 6525 MHz~6875 MHz, 6875 MHz~7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz NFC: 13.56 MHz WPC: 110 kHz ~ 148.5 kHz(Rx) UWB: 6489.6 MHz, 7987.2 MHz Thread: 2405 MHz ~ 2480 MHz

Mode	GSM/GPRS/EGPRS UMTS: RMC/AMR 12.2Kbps, HSDPA, HSUPA LTE: QPSK, 16QAM, 64QAM, 256QAM NTN: BPSK, QPSK 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK/QPSK/16QAM/64QAM/256QAM WLAN: 802.11a/b/g/n/ac/ax/be HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160 Bluetooth BR/EDR/LE/CS NFC: ASK WPC: ASK UWB: BPM-BPSK/HPSK Thread: QPSK
GSM / (E)GPRS Transfer mode	Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network.

Remark:
1. Dynamic antenna tuning mechanism is available at Ant. 0 / 2, for its < 3GHz LTE and NR band, and the supplemental antenna tuner test results were including in appendix G, details are illustrated in the operational description.
2. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz and 6GHz VLP supports Hotspot operation and Bluetooth support tethering applications.
3. The device implements the power management and sensor detection for SAR compliance at different exposure conditions (head, body-worn, hotspot and product specific), the WWAN and WiFi TAS feature will manage to ensure the power level not exceeding the associated power table. Also, device implement Spatial TAS predefine WWAN 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.
5. The device additionally supports uplink MIMO on n41/n48/n77/n78, due to UL MIMO antenna operating on different antenna groups, therefore TAS validation is not required.
6. The PC1.5 only support uplink MIMO.
7. The UWB output power is -15.19dBm and it is less than 1mW and exempt from power density testing.

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 PC1.5 NR SAR was not required, due to PC1.5 operate in the time-averaged and burst transmission power is less than PC2, therefore, only PC2 was performed on the highest SAR test configuration in PC3, and use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%.
7. Thread only transmit on antenna 3 and cannot not transmit with Bluetooth at same time.
8. The PC1.5 only support uplink MIMO configuration, and which per chain target power of uplink MIMO associated with PC2 power level so that the combined total power of uplink MIMO power achieve to Power class 1.5 level

Support transmit antenna and band	
Ant Config Tx0	ANT 0: GSM850, UMTS B5, LTE B5/B12/B13/B14/B17/B26/B71, NR n5/n12/n14/n26/n71
	ANT 1: LTE B2/B4/B25/B66, NR n2/n25/n38/n41/n48/n66/n77/n78, NTN B23
	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 4: NTN B255
	ANT 6: LTE B48, NR n48/n77/n78
Ant Config Tx1	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/n14/n26/n71
	ANT 5: LTE B2/B4/B25/B66, NR n2/n25n38/n41/n48/n66/n77/n78
	ANT 7: LTE B48, NR n48/n77/n78

Maximum Transmit Burst Average Power (dBm)								
Wireless technology	Mode	Antenna	Maximum 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 1TX	Ant0	33.50	31.50	30.80	33.50	33.50	33.50
	GPRS 1TX		33.50	33.50	33.50	33.50	33.50	33.50
	GPRS 2TX		32.50	32.50	32.50	31.90	32.50	31.90
	GPRS 3TX		31.50	31.50	31.50	30.10	30.80	30.10
	GPRS 4TX		30.50	30.50	30.50	28.90	29.60	28.90
	EDGE 1TX		27.50	27.50	27.50	27.50	27.50	27.50
	EDGE 2TX		26.50	26.50	26.50	26.50	26.50	26.50
	EDGE 3TX		25.50	25.50	25.50	25.50	25.50	25.50
	EDGE 4TX		24.50	24.50	24.50	24.50	24.50	24.50
GSM850	GSM 1TX	Ant1	33.20	31.20	30.00	33.20	33.20	33.20
	GPRS 1TX		33.20	32.50	31.30	33.20	33.20	33.20
	GPRS 2TX		32.20	29.50	28.30	30.90	31.60	30.90
	GPRS 3TX		31.20	27.70	26.50	29.10	29.80	29.10
	GPRS 4TX		30.20	26.50	25.30	27.90	28.60	27.90
	EDGE 1TX		27.20	27.20	27.20	27.20	27.20	27.20
	EDGE 2TX		26.20	26.20	26.20	26.20	26.20	26.20
	EDGE 3TX		25.20	25.20	25.20	25.20	25.20	25.20
	EDGE 4TX		24.20	24.20	24.20	24.20	24.20	24.20
GSM1900	GSM/GPRS 1TX	Ant2	30.50	30.50	30.50	29.50	30.20	29.50
	GPRS 2TX		29.00	29.00	29.00	26.50	27.20	26.50
	GPRS 3TX		28.50	28.50	28.50	24.70	25.40	24.70
	GPRS 4TX		27.50	27.50	27.50	23.50	24.20	23.50
	EDGE 1TX		26.50	26.50	26.50	26.50	26.50	26.50
	EDGE 2TX		25.50	25.50	25.50	25.50	25.50	25.50
	EDGE 3TX		24.50	24.50	24.50	24.50	24.50	24.50
	EDGE 4TX		23.50	23.50	23.50	23.50	23.50	23.50
GSM1900	GSM/GPRS 1TX	Ant0	30.20	30.20	30.20	27.20	29.00	28.30
	GPRS 2TX		28.70	28.70	28.70	24.20	26.00	25.30
	GPRS 3TX		28.20	28.20	28.20	22.40	24.20	23.50
	GPRS 4TX		27.20	27.20	27.20	21.20	23.00	22.30
	EDGE 1TX		26.20	26.20	26.20	26.20	26.20	26.20
	EDGE 2TX		25.20	25.20	25.20	24.20	25.20	25.20
	EDGE 3TX		24.20	24.20	24.20	22.40	24.20	23.50
	EDGE 4TX		23.20	23.20	23.20	21.20	23.00	22.30

Maximum Transmit Burst Average Power (dBm)								
Wireless technology	Mode	Antenna	Maximum 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
WCDMA B2	R99/HSPA	Ant2	25.00	25.00	25.00	22.40	23.10	22.40
WCDMA B2	R99/HSPA	Ant0	24.70	24.70	24.70	18.00	21.00	20.30
WCDMA B4	R99/HSPA	Ant2	25.00	25.00	25.00	22.70	23.40	22.70
WCDMA B4	R99/HSPA	Ant0	24.70	24.70	24.70	18.70	20.60	19.90
WCDMA B5	R99/HSPA	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
WCDMA B5	R99/HSPA	Ant1	24.70	23.90	22.90	24.70	24.70	24.70
LTE B7	PC3	Ant2	25.00	25.00	25.00	20.90	21.60	20.90
CA_7C	PC3	Ant2	24.50	24.50	24.50	20.90	21.60	20.90
LTE B7	PC3	Ant0	25.00	25.00	25.00	20.60	22.20	21.50
CA_7C	PC3	Ant0	24.50	24.50	24.50	20.60	22.20	21.50
LTE B12/B17	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
LTE B12/B17	PC3	Ant1	24.70	24.60	23.40	24.70	24.70	24.70
LTE B13	PC3	Ant0	25.00	25.00	25.00	24.20	25.00	25.00
LTE B13	PC3	Ant1	25.00	24.30	23.60	25.00	25.00	25.00
LTE B14	PC3	Ant0	25.00	25.00	25.00	24.20	25.00	25.00
LTE B14	PC3	Ant1	25.00	23.70	23.00	25.00	25.00	25.00
LTE B25/B2	PC3	Ant2	25.00	25.00	25.00	21.80	22.50	21.80
LTE B25/B2	PC3	Ant0	24.70	24.70	24.70	17.90	20.40	19.70
LTE B25/B2	PC3	Ant1	25.00	17.30	16.40	22.10	22.80	22.10
LTE B25/B2	PC3	Ant5	24.50	19.50	18.80	23.40	24.50	23.90
LTE B26/B5	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
CA_5B	PC3	Ant0	24.50	24.50	24.50	24.50	24.50	24.50
LTE B26/B5	PC3	Ant1	24.70	23.60	22.60	24.70	24.70	24.70
CA_5B	PC3	Ant1	24.00	23.60	22.60	24.00	24.00	24.00
LTE B30	PC3	Ant2	24.60	24.60	24.60	20.20	20.90	20.20
LTE B30	PC3	Ant0	24.60	24.60	24.60	18.90	21.50	20.80
LTE B41/B38	PC3	Ant2	25.00	25.00	25.00	23.80	24.50	23.80
LTE B41/B38	PC2	Ant2	26.90	26.90	26.90	25.40	26.10	25.40
CA_41C/38C	PC3	Ant2	24.50	24.50	24.50	23.80	24.50	23.80
LTE B41/B38	PC3	Ant0	25.00	25.00	25.00	23.10	24.80	24.10
LTE B41/B38	PC2	Ant0	27.10	27.10	27.10	24.90	26.60	25.90
CA_41C/38C	PC3	Ant0	24.50	24.50	24.50	23.10	24.50	24.10
LTE B48	PC3	Ant6	25.00	25.00	25.00	22.80	23.50	22.80
LTE B48	PC3	Ant7	22.20	22.20	22.20	21.40	22.10	21.40
LTE B66/B4	PC3	Ant2	25.00	25.00	25.00	22.00	22.70	22.00
CA_66B/66C	PC3	Ant2	24.50	24.50	24.50	22.00	22.70	22.00
LTE B66/B4	PC3	Ant0	24.70	24.70	24.70	18.20	19.80	19.10
CA_66B/66C	PC3	Ant0	24.50	24.50	24.50	18.20	19.80	19.10
LTE B66/B4	PC3	Ant1	25.00	18.40	17.20	22.60	23.30	22.60
LTE B66/B4	PC3	Ant5	24.50	19.70	19.00	24.50	24.50	24.50
LTE B71	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
LTE B71	PC3	Ant1	25.00	25.00	23.80	25.00	25.00	25.00
FR1 n7	PC3	Ant2	25.00	25.00	25.00	21.20	21.90	21.20
FR1 n7	PC3	Ant0	25.00	25.00	25.00	20.60	22.40	21.70
FR1 n12	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
FR1 n12	PC3	Ant1	24.70	24.70	24.70	24.70	24.70	24.70
FR1 n14	PC3	Ant0	25.00	25.00	25.00	24.40	25.00	25.00
FR1 n14	PC3	Ant1	25.00	23.90	22.70	25.00	25.00	25.00
FR1 n25/n2	PC3	Ant2	25.00	25.00	25.00	22.10	22.80	22.10
FR1 n25/n2	PC3	Ant0	24.70	24.70	24.70	18.40	20.50	19.80
FR1 n25/n2	PC3	Ant1	25.00	18.00	16.80	22.50	23.20	22.50

FR1 n25/n2	PC3	Ant5	24.50	19.80	19.10	24.20	24.50	24.50
FR1 n26/n5	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
FR1 n26/n5	PC3	Ant1	24.70	23.60	22.90	24.70	24.70	24.70
FR1 n30	PC3	Ant2	24.60	24.60	24.60	21.10	21.80	21.10
FR1 n30	PC3	Ant0	24.60	24.60	24.60	18.80	21.30	20.60
FR1 n41/n38	PC3	Ant2	25.00	25.00	25.00	21.20	21.90	21.20
FR1 n41	PC2	Ant2	26.90	26.90	26.90	24.20	24.90	24.20
FR1 n41	PC1.5	Ant2	26.90	26.90	26.90	24.20	24.90	24.20
FR1 n41/n38	PC3	Ant0	25.00	25.00	25.00	21.10	22.60	21.90
FR1 n41	PC2	Ant0	27.10	27.10	27.10	24.30	25.80	25.10
FR1 n41	PC1.5	Ant0	27.10	27.10	27.10	24.30	25.80	25.10
FR1 n41/n38	PC3	Ant1	25.00	18.90	18.20	21.70	23.10	22.40
FR1 n41	PC2	Ant1	26.90	21.90	21.20	24.70	26.10	25.40
FR1 n41	PC1.5	Ant1	26.90	21.90	21.20	24.70	26.10	25.40
FR1 n41/n38	PC3	Ant5	25.00	19.20	18.50	23.50	24.50	23.80
FR1 n41	PC2	Ant5	26.90	22.20	21.50	26.50	26.90	26.80
FR1 n41	PC1.5	Ant5	26.90	22.20	21.50	26.50	26.90	26.80
FR1 n48	PC3	Ant6	25.00	25.00	25.00	20.70	21.40	20.70
FR1 n48	PC3	Ant7	22.20	22.20	22.20	19.00	20.00	19.30
FR1 n48	PC3	Ant1	25.00	19.00	18.30	21.80	22.50	21.80
FR1 n48	PC3	Ant5	25.00	20.80	19.60	24.40	25.00	24.40
FR1 n66	PC3	Ant2	25.00	25.00	25.00	22.60	23.30	22.60
FR1 n66	PC3	Ant0	24.70	24.70	24.70	19.10	20.50	19.80
FR1 n66	PC3	Ant1	25.00	18.50	17.30	23.20	24.00	23.30
FR1 n66	PC3	Ant5	24.50	20.40	19.20	24.00	24.50	24.50
FR1 n70	PC3	Ant2	24.70	24.70	24.70	22.60	23.30	22.60
FR1 n70	PC3	Ant0	24.40	24.40	24.40	19.00	20.50	19.80
FR1 n71	PC3	Ant0	25.00	25.00	25.00	25.00	25.00	25.00
FR1 n71	PC3	Ant1	25.00	24.20	23.00	25.00	25.00	25.00
FR1 n77/n78	PC3	Ant6	25.00	25.00	25.00	20.60	21.30	20.60
FR1 n77/n78	PC2	Ant6	27.10	27.10	27.10	23.70	24.40	23.70
FR1 n77	PC1.5	Ant6	26.60	26.60	26.60	23.70	24.40	23.70
FR1 n77/n78	PC3	Ant7	24.40	24.40	23.50	18.90	19.60	18.90
FR1 n77/n78	PC2	Ant7	26.70	26.70	26.60	22.00	22.70	22.00
FR1 n77	PC1.5	Ant7	26.00	26.00	26.00	22.00	22.70	22.00
FR1 n77/n78	PC3	Ant1	25.00	16.40	15.70	20.20	21.40	20.70
FR1 n77	PC2	Ant1	27.20	19.60	18.90	23.40	24.60	23.90
FR1 n77	PC1.5	Ant1	26.70	19.60	18.90	23.40	24.60	23.90
FR1 n77/n78	PC3	Ant5	25.00	19.50	18.40	25.00	25.00	25.00
FR1 n77	PC2	Ant5	27.20	22.70	21.60	27.20	27.20	27.20
FR1 n77	PC1.5	Ant5	26.70	22.70	21.60	26.70	26.70	26.70
NTN B23	PC3	Ant1	23.50				23.10	
NTN B255	PC3	Ant4	24.30				24.30	

<WLAN Maximum Power>

General Note:

1. The device implements the power management for WLAN SAR compliance for different exposure conditions and user cases. In each exposure condition, the power index selection is determined by the user cases as tested in Section 14 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

Burst Average Power (dBm)												
2.4GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11b (SISO)	1	2412	22.00	22.50	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	6	2437	22.50	22.50	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	11	2462	21.00	21.50	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	12	2467	21.00	21.50	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	13	2472	17.00	17.50	17.00	17.50	12.50	12.50	17.00	17.50	15.50	15.50

Burst Average Power (dBm)												
2.4GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11b (MIMO)	1	2412	21.50	21.50	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	6	2437	22.50	22.50	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	11	2462	22.50	22.50	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	12	2467	20.50	20.50	17.50	17.50	12.50	12.50	20.50	20.50	15.50	15.50
	13	2472	16.50	16.50	16.50	16.50	12.50	12.50	16.50	16.50	15.50	15.50
802.11g (MIMO)	1	2412	19.50	19.50	17.50	17.50	12.50	12.50	19.50	19.50	15.50	15.50
	2	2417	21.00	21.00								
	6	2437	22.00	22.00	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	10	2457	21.00	21.00								
	11	2462	18.50	18.50	17.50	17.50	12.50	12.50	18.50	18.50	15.50	15.50
	12	2467	16.50	16.50	16.50	16.50	12.50	12.50	16.50	16.50	15.50	15.50
	13	2472	14.00	14.00	14.00	14.00	12.50	12.50	14.00	14.00	14.00	14.00
802.11n HT20 (MIMO)	1	2412	18.50	18.50	17.50	17.50	12.50	12.50	18.50	18.50	15.50	15.50
	2	2417	21.00	21.00								
	6	2437	21.00	21.00	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	10	2457	20.00	20.00								
	11	2462	17.50	17.50	17.50	17.50	12.50	12.50	17.50	17.50	15.50	15.50
	12	2467	16.50	16.50	16.50	16.50	12.50	12.50	16.50	16.50	15.50	15.50
	13	2472	14.00	14.00	14.00	14.00	12.50	12.50	14.00	14.00	14.00	14.00
802.11ac VHT20 (MIMO)	1	2412	18.50	18.50	17.50	17.50	12.50	12.50	18.50	18.50	15.50	15.50
	2	2417	21.00	21.00								
	6	2437	21.00	21.00	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	10	2457	20.00	20.00								
	11	2462	17.50	17.50	17.50	17.50	12.50	12.50	17.50	17.50	15.50	15.50
	12	2467	16.50	16.50	16.50	16.50	12.50	12.50	16.50	16.50	15.50	15.50
	13	2472	14.00	14.00	14.00	14.00	12.50	12.50	14.00	14.00	14.00	14.00
802.11ax HE20 (MIMO)	1	2412	18.50	18.50	17.50	17.50	12.50	12.50	18.50	18.50	15.50	15.50
	2	2417	21.00	21.00								
	6	2437	21.00	21.00	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	10	2457	20.00	20.00								
	11	2462	17.50	17.50	17.50	17.50	12.50	12.50	17.50	17.50	15.50	15.50
	12	2467	16.50	16.50	16.50	16.50	12.50	12.50	16.50	16.50	15.50	15.50
	13	2472	14.00	14.00	14.00	14.00	12.50	12.50	14.00	14.00	14.00	14.00
802.11be EHT20 (MIMO)	1	2412	18.50	18.50	17.50	17.50	12.50	12.50	18.50	18.50	15.50	15.50
	2	2417	21.00	21.00								
	6	2437	21.00	21.00	17.50	17.50	12.50	12.50	21.00	21.00	15.50	15.50
	10	2457	20.00	20.00								
	11	2462	17.50	17.50	17.50	17.50	12.50	12.50	17.50	17.50	15.50	15.50
	12	2467	16.50	16.50	16.50	16.50	12.50	12.50	16.50	16.50	15.50	15.50
	13	2472	14.00	14.00	14.00	14.00	12.50	12.50	14.00	14.00	14.00	14.00

Burst Average Power (dBm)												
5.2GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	36	5180	18.50	18.50	15.00	15.00	10.50	10.50	18.50	18.50	18.00	18.00
	40	5200	19.50	19.50	15.00	15.00	10.50	10.50	19.50	19.50	18.00	18.00
	44	5220	19.50	19.50	15.00	15.00	10.50	10.50	19.50	19.50	18.00	18.00
	48	5240	19.50	19.50	15.00	15.00	10.50	10.50	19.50	19.50	18.00	18.00
802.11n HT20 (MIMO)	36	5180	17.50	17.50	15.00	15.00	10.50	10.50	17.50	17.50	17.50	17.50
	40	5200	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
	44	5220	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
	48	5240	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
802.11n HT40 (MIMO)	38	5190	16.00	16.00	15.00	15.00	10.50	10.50	16.00	16.00	16.00	16.00
	46	5230	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
802.11ac VHT20 (MIMO)	36	5180	17.50	17.50	15.00	15.00	10.50	10.50	17.50	17.50	17.50	17.50
	40	5200	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
	44	5220	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
	48	5240	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
802.11ac VHT40 (MIMO)	38	5190	16.00	16.00	15.00	15.00	10.50	10.50	16.00	16.00	16.00	16.00
	46	5230	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
802.11ac VHT80 (MIMO)	42	5210	14.50	14.50	14.50	14.50	10.50	10.50	14.50	14.50	14.50	14.50
802.11ax HE20 (MIMO)	36	5180	17.50	17.50	15.00	15.00	10.50	10.50	17.50	17.50	17.50	17.50
	40	5200	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
	44	5220	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
	48	5240	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
802.11ax HE40 (MIMO)	38	5190	16.00	16.00	15.00	15.00	10.50	10.50	16.00	16.00	16.00	16.00
	46	5230	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
802.11ax HE80 (MIMO)	42	5210	14.50	14.50	14.50	14.50	10.50	10.50	14.50	14.50	14.50	14.50
802.11be EHT20 (MIMO)	36	5180	17.50	17.50	15.00	15.00	10.50	10.50	17.50	17.50	17.50	17.50
	40	5200	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
	44	5220	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
	48	5240	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
802.11be EHT40 (MIMO)	38	5190	16.00	16.00	15.00	15.00	10.50	10.50	16.00	16.00	16.00	16.00
	46	5230	20.00	20.00	15.00	15.00	10.50	10.50	20.00	20.00	18.00	18.00
802.11be EHT80 (MIMO)	42	5210	14.50	14.50	14.50	14.50	10.50	10.50	14.50	14.50	14.50	14.50

Burst Average Power (dBm)												
5.3GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	52	5260	19.50	19.50	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	56	5280	19.50	19.50	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	60	5300	19.50	19.50	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	64	5320	18.00	18.00	15.00	15.00	10.50	10.50	18.00	18.00	18.00	18.00
802.11n HT20 (MIMO)	52	5260	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	56	5280	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	60	5300	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	64	5320	17.50	17.50	15.00	15.00	10.50	10.50	17.50	17.50	17.50	17.50
802.11n HT40 (MIMO)	54	5270	19.00	19.00	15.00	15.00	10.50	10.50	19.00	19.00	18.50	18.50
	62	5310	16.50	16.50	15.00	15.00	10.50	10.50	16.50	16.50	16.50	16.50
802.11ac VHT20 (MIMO)	52	5260	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	56	5280	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	60	5300	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	64	5320	17.50	17.50	15.00	15.00	10.50	10.50	17.50	17.50	17.50	17.50
802.11ac VHT40 (MIMO)	54	5270	19.00	19.00	15.00	15.00	10.50	10.50	19.00	19.00	18.50	18.50
	62	5310	16.50	16.50	15.00	15.00	10.50	10.50	16.50	16.50	16.50	16.50
802.11ac VHT80 (MIMO)	58	5290	14.50	14.50	14.50	14.50	10.50	10.50	14.50	14.50	14.50	14.50
802.11ac VHT160 (MIMO)	50	5250	12.50	12.50	12.50	12.50	10.50	10.50	12.50	12.50	12.50	12.50
802.11ax HE20 (MIMO)	52	5260	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	56	5280	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	60	5300	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	64	5320	17.50	17.50	15.00	15.00	10.50	10.50	17.50	17.50	17.50	17.50
802.11ax HE40 (MIMO)	54	5270	19.00	19.00	15.00	15.00	10.50	10.50	19.00	19.00	18.50	18.50
	62	5310	16.50	16.50	15.00	15.00	10.50	10.50	16.50	16.50	16.50	16.50
802.11ax HE80 (MIMO)	58	5290	14.50	14.50	14.50	14.50	10.50	10.50	14.50	14.50	14.50	14.50
802.11ax HE160 (MIMO)	50	5250	12.50	12.50	12.50	12.50	10.50	10.50	12.50	12.50	12.50	12.50
802.11be EHT20 (MIMO)	52	5260	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	56	5280	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	60	5300	20.00	20.00	15.00	15.00	10.50	10.50	19.50	19.50	18.50	18.50
	64	5320	17.50	17.50	15.00	15.00	10.50	10.50	17.50	17.50	17.50	17.50
802.11be EHT40 (MIMO)	54	5270	19.00	19.00	15.00	15.00	10.50	10.50	19.00	19.00	18.50	18.50
	62	5310	16.50	16.50	15.00	15.00	10.50	10.50	16.50	16.50	16.50	16.50
802.11be EHT80 (MIMO)	58	5290	14.50	14.50	14.50	14.50	10.50	10.50	14.50	14.50	14.50	14.50
802.11be EHT160 (MIMO)	50	5250	12.50	12.50	12.50	12.50	10.50	10.50	12.50	12.50	12.50	12.50

Burst Average Power (dBm)												
5.5GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	100	5500	19.00	19.00	15.50	15.50	10.50	10.50	19.00	19.00	19.00	19.00
	116	5580	19.00	19.00	15.50	15.50	10.50	10.50	19.00	19.00	19.00	19.00
	124	5620	19.00	19.00	15.50	15.50	10.50	10.50	19.00	19.00	19.00	19.00
	132	5660	19.00	19.00	15.50	15.50	10.50	10.50	19.00	19.00	19.00	19.00
	140	5700	18.50	18.50								
	144	5720	19.00	19.00	15.50	15.50	10.50	10.50	19.00	19.00	19.00	19.00
802.11n HT20 (MIMO)	100	5500	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	116	5580	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	124	5620	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	132	5660	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	140	5700	17.00	17.00								
	144	5720	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
802.11n HT40 (MIMO)	102	5510	15.50	15.50	15.50	15.50	10.50	10.50	15.50	15.50	15.50	15.50
	110	5550	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
	126	5630	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
	134	5670	18.50	18.50	15.50	15.50	10.50	10.50	18.50	18.50	18.50	18.50
	142	5710	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
802.11ac VHT20 (MIMO)	100	5500	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	116	5580	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	124	5620	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	132	5660	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	140	5700	17.00	17.00								
	144	5720	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
802.11ac VHT40 (MIMO)	102	5510	15.50	15.50	15.50	15.50	10.50	10.50	15.50	15.50	15.50	15.50
	110	5550	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
	126	5630	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
	134	5670	18.50	18.50	15.50	15.50	10.50	10.50	18.50	18.50	18.50	18.50
	142	5710	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
802.11ac VHT80 (MIMO)	106	5530	15.50	15.50	15.50	15.50	10.50	10.50	15.50	15.50	15.50	15.50
	122	5610	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	138	5690	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
802.11ac VHT160 (MIMO)	114	5570	13.00	13.00	13.00	13.00	10.50	10.50	13.00	13.00	13.00	13.00
802.11ax HE20 (MIMO)	100	5500	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	116	5580	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	124	5620	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	132	5660	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	140	5700	17.00	17.00								
	144	5720	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
802.11ax HE40 (MIMO)	102	5510	15.50	15.50	15.50	15.50	10.50	10.50	15.50	15.50	15.50	15.50
	110	5550	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
	126	5630	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
	134	5670	18.50	18.50	15.50	15.50	10.50	10.50	18.50	18.50	18.50	18.50
	142	5710	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
802.11ax HE80 (MIMO)	106	5530	15.50	15.50	15.50	15.50	10.50	10.50	15.50	15.50	15.50	15.50
	122	5610	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	138	5690	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
802.11ax HE160 (MIMO)	114	5570	13.00	13.00	13.00	13.00	10.50	10.50	13.00	13.00	13.00	13.00
802.11be EHT20 (MIMO)	100	5500	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	116	5580	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	124	5620	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	132	5660	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	140	5700	17.00	17.00								
	144	5720	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
802.11be EHT40 (MIMO)	102	5510	15.50	15.50	15.50	15.50	10.50	10.50	15.50	15.50	15.50	15.50
	110	5550	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
	126	5630	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
	134	5670	18.50	18.50	15.50	15.50	10.50	10.50	18.50	18.50	18.50	18.50
	142	5710	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
802.11be EHT80 (MIMO)	106	5530	15.50	15.50	15.50	15.50	10.50	10.50	15.50	15.50	15.50	15.50
	122	5610	19.50	19.50	15.50	15.50	10.50	10.50	19.50	19.50	19.00	19.00
	138	5690	20.00	20.00	15.50	15.50	10.50	10.50	20.00	20.00	19.00	19.00
802.11be EHT160 (MIMO)	114	5570	13.00	13.00	13.00	13.00	10.50	10.50	13.00	13.00	13.00	13.00

Burst Average Power (dBm)												
5.8GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	149	5745	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	157	5785	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	165	5825	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
802.11n HT20 (MIMO)	149	5745	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	157	5785	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	165	5825	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
802.11n HT40 (MIMO)	151	5755	20.00	20.00	15.50	15.50	10.00	10.00	20.00	20.00	18.00	18.00
	159	5795	20.00	20.00	15.50	15.50	10.00	10.00	20.00	20.00	18.00	18.00
802.11ac VHT20 (MIMO)	149	5745	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	157	5785	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	165	5825	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
802.11ac VHT40 (MIMO)	151	5755	20.00	20.00	15.50	15.50	10.00	10.00	20.00	20.00	18.00	18.00
	159	5795	20.00	20.00	15.50	15.50	10.00	10.00	20.00	20.00	18.00	18.00
802.11ac VHT80 (MIMO)	155	5775	19.50	19.50	15.50	15.50	10.00	10.00	19.50	19.50	18.00	18.00
802.11ax HE20 (MIMO)	149	5745	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	157	5785	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	165	5825	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
802.11ax HE40 (MIMO)	151	5755	20.00	20.00	15.50	15.50	10.00	10.00	20.00	20.00	18.00	18.00
	159	5795	20.00	20.00	15.50	15.50	10.00	10.00	20.00	20.00	18.00	18.00
802.11ax HE80 (MIMO)	155	5775	19.50	19.50	15.50	15.50	10.00	10.00	19.50	19.50	18.00	18.00
802.11be EHT20 (MIMO)	149	5745	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	157	5785	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
	165	5825	21.00	21.00	15.50	15.50	10.00	10.00	21.00	21.00	18.00	18.00
802.11be EHT40 (MIMO)	151	5755	20.00	20.00	15.50	15.50	10.00	10.00	20.00	20.00	18.00	18.00
	159	5795	20.00	20.00	15.50	15.50	10.00	10.00	20.00	20.00	18.00	18.00
802.11be EHT80 (MIMO)	155	5775	19.50	19.50	15.50	15.50	10.00	10.00	19.50	19.50	18.00	18.00

Burst Average Power (dBm)												
5.9GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	169	5845	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	173	5865	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	177	5885	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
802.11n HT20 (MIMO)	169	5845	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	173	5865	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	177	5885	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
802.11n HT40 (MIMO)	167	5835	20.00	20.00	16.00	16.00	11.00	11.00	20.00	20.00	17.50	17.50
	175	5875	20.00	20.00	16.00	16.00	11.00	11.00	20.00	20.00	17.50	17.50
802.11ac VHT20 (MIMO)	169	5845	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	173	5865	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	177	5885	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
802.11ac VHT40 (MIMO)	167	5835	20.00	20.00	16.00	16.00	11.00	11.00	20.00	20.00	17.50	17.50
	175	5875	20.00	20.00	16.00	16.00	11.00	11.00	20.00	20.00	17.50	17.50
802.11ac VHT80 (MIMO)	171	5855	19.50	19.50	16.00	16.00	11.00	11.00	19.50	19.50	17.50	17.50
802.11ac VHT160 (MIMO)	163	5815	16.50	16.50	16.00	16.00	11.00	11.00	16.50	16.50	16.50	16.50
802.11ax HE20 (MIMO)	169	5845	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	173	5865	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	177	5885	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
802.11ax HE40 (MIMO)	167	5835	20.00	20.00	16.00	16.00	11.00	11.00	20.00	20.00	17.50	17.50
	175	5875	20.00	20.00	16.00	16.00	11.00	11.00	20.00	20.00	17.50	17.50
802.11ax HE80 (MIMO)	171	5855	19.50	19.50	16.00	16.00	11.00	11.00	19.50	19.50	17.50	17.50
802.11ax HE160 (MIMO)	163	5815	16.50	16.50	16.00	16.00	11.00	11.00	16.50	16.50	16.50	16.50
802.11be EHT20 (MIMO)	169	5845	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	173	5865	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
	177	5885	21.00	21.00	16.00	16.00	11.00	11.00	21.00	21.00	17.50	17.50
802.11be EHT40 (MIMO)	167	5835	20.00	20.00	16.00	16.00	11.00	11.00	20.00	20.00	17.50	17.50
	175	5875	20.00	20.00	16.00	16.00	11.00	11.00	20.00	20.00	17.50	17.50
802.11be EHT80 (MIMO)	171	5855	19.50	19.50	16.00	16.00	11.00	11.00	19.50	19.50	17.50	17.50
802.11be EHT160 (MIMO)	163	5815	16.50	16.50	16.00	16.00	11.00	11.00	16.50	16.50	16.50	16.50

Standard Power (SP)

Maximum Transmit Burst Average Power (dBm)				
6GHz Mode	Channel	Frequency (MHz)	Index 0	
			Ant 3	Ant 4
802.11a (MIMO)	1	5955	21.00	21.00
	49	6195	21.00	21.00
	93	6415	21.00	21.00
	117	6535	21.00	21.00
	149	6695	21.00	21.00
	181	6855	21.00	21.00
802.11ax-HE20 (MIMO)	1	5955	21.00	21.00
	49	6195	21.00	21.00
	93	6415	21.00	21.00
	117	6535	21.00	21.00
	149	6695	21.00	21.00
	181	6855	21.00	21.00
802.11ax-HE40 (MIMO)	3	5965	19.50	19.50
	51	6205	20.00	20.00
	91	6405	20.00	20.00
	123	6565	20.00	20.00
	147	6685	20.00	20.00
	179	6845	20.00	20.00
802.11ax-HE80 (MIMO)	7	5985	19.00	19.00
	55	6225	20.00	20.00
	87	6385	20.00	20.00
	135	6625	20.00	20.00
	151	6705	20.00	20.00
	167	6785	20.00	20.00
802.11ax-HE160 (MIMO)	15	6025	18.00	18.00
	47	6185	20.00	20.00
	79	6345	20.00	20.00
	143	6665	20.00	20.00
802.11be-EHT20 (MIMO)	1	5955	21.00	21.00
	49	6195	21.00	21.00
	93	6415	21.00	21.00
	117	6535	21.00	21.00
	149	6695	21.00	21.00
	181	6855	21.00	21.00
802.11be-EHT40 (MIMO)	3	5965	19.50	19.50
	51	6205	20.00	20.00
	91	6405	20.00	20.00
	123	6565	20.00	20.00
	147	6685	20.00	20.00
	179	6845	20.00	20.00
802.11be-EHT80 (MIMO)	7	5985	19.00	19.00
	55	6225	20.00	20.00
	87	6385	20.00	20.00
	135	6625	20.00	20.00
	151	6705	20.00	20.00
	167	6785	20.00	20.00
802.11be-EHT160 (MIMO)	15	6025	18.00	18.00
	47	6185	20.00	20.00
	79	6345	20.00	20.00
	143	6665	20.00	20.00

Burst Average Power (dBm)												
6GHz Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	1	5955	21.00	21.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	57	6235	21.00	21.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	173	6815	21.00	21.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
802.11ax HE20 (MIMO)	1	5955	21.00	21.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	57	6235	21.00	21.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	173	6815	21.00	21.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
802.11ax HE40 (MIMO)	3	5965	19.50	19.50	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	59	6245	20.00	20.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	171	6805	20.00	20.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
802.11ax HE80 (MIMO)	7	5985	19.00	19.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	71	6305	20.00	20.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	167	6785	20.00	20.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
802.11ax HE160 (MIMO)	15	6025	18.00	18.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	47	6185	20.00	20.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	143	6665	20.00	20.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
802.11be EHT20 (MIMO)	1	5955	21.00	21.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	57	6235	21.00	21.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	173	6815	21.00	21.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
802.11be EHT40 (MIMO)	3	5965	19.50	19.50	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	59	6245	20.00	20.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	171	6805	20.00	20.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
802.11be EHT80 (MIMO)	7	5985	19.00	19.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	71	6305	20.00	20.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	167	6785	20.00	20.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
802.11be EHT160 (MIMO)	15	6025	18.00	18.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	47	6185	20.00	20.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	143	6665	20.00	20.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50

Low Power Indoor (LPI)

Maximum Transmit Burst Average Power (dBm)							
6GHz Mode	Band	Channel	Frequency (MHz)	SDB Index 0		CDD Index 0	
				Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	5	1	5955	12.50	12.50	10.50	10.50
	5	49	6195	12.50	12.50	10.50	10.50
	5	93	6415	12.50	12.50	10.50	10.50
	6	97	6435	12.50	12.50	9.00	9.00
	6	105	6475	12.50	12.50	9.00	9.00
	6	113	6515	12.50	12.50	9.00	9.00
	7	117	6535	11.00	11.00	8.00	8.00
	7	149	6695	11.00	11.00	8.00	8.00
	7	181	6855	11.00	11.00	8.00	8.00
	7/8	185	6875	11.00	11.00	8.00	8.00
	8	189	6895	13.00	13.00	10.50	10.50
	8	209	6995	13.00	13.00	10.50	10.50
	8	229	7095	13.00	13.00	10.50	10.50
802.11ax-HE20 (MIMO)	5	1	5955	13.00	13.00	11.00	11.00
	5	49	6195	13.00	13.00	11.00	11.00
	5	93	6415	13.00	13.00	11.00	11.00
	6	97	6435	13.00	13.00	10.00	10.00
	6	105	6475	13.00	13.00	10.00	10.00
	6	113	6515	13.00	13.00	10.00	10.00
	7	117	6535	11.50	11.50	8.50	8.50
	7	149	6695	11.50	11.50	8.50	8.50
	7	181	6855	11.50	11.50	8.50	8.50
	7/8	185	6875	11.50	11.50	8.50	8.50
	8	189	6895	14.00	14.00	11.00	11.00
	8	209	6995	14.00	14.00	11.00	11.00
	8	229	7095	14.00	14.00	11.00	11.00
802.11ax-HE40 (MIMO)	5	3	5965	16.00	16.00	14.00	14.00
	5	51	6205	16.00	16.00	14.00	14.00
	5	91	6405	16.00	16.00	14.00	14.00
	6	99	6445	16.00	16.00	13.00	13.00
	6	107	6485	16.00	16.00	13.00	13.00
	6	115	6525	16.00	16.00	13.00	13.00
	7	123	6565	14.50	14.50	12.00	12.00
	7	147	6685	14.50	14.50	12.00	12.00
	7	179	6845	14.50	14.50	12.00	12.00
	7/8	187	6885	14.50	14.50	12.00	12.00
	8	195	6925	16.50	16.50	14.00	14.00
	8	211	7005	16.50	16.50	14.00	14.00
	8	227	7085	16.50	16.50	14.00	14.00
802.11ax-HE80 (MIMO)	5	7	5985	19.00	19.00	16.50	16.50
	5	55	6225	19.00	19.00	16.50	16.50
	5	87	6385	19.00	19.00	16.50	16.50
	6	103	6465	18.50	18.50	16.00	16.00
	6	119	6545	18.50	18.50	16.00	16.00
	7	135	6625	17.00	17.00	15.00	15.00
	7	151	6705	17.00	17.00	15.00	15.00
	7	167	6785	17.00	17.00	15.00	15.00
	7/8	183	6865	17.00	17.00	15.00	15.00
	8	199	6945	19.50	19.50	16.50	16.50
	8	215	7025	19.50	19.50	16.50	16.50
802.11ax-HE160 (MIMO)	5	15	6025	18.00	18.00	18.00	18.00
	5	47	6185	20.00	20.00	19.50	19.50
	5	79	6345	20.00	20.00	19.50	19.50
	6	111	6505	20.00	20.00	18.50	18.50
	7	143	6665	20.00	20.00	17.50	17.50
	7/8	175	6825	20.00	20.00	17.50	17.50
	8	207	6985	20.00	20.00	19.00	19.00
802.11be-EHT20 (MIMO)	5	1	5955	13.00	13.00	11.00	11.00
	5	49	6195	13.00	13.00	11.00	11.00
	5	93	6415	13.00	13.00	11.00	11.00
	6	97	6435	13.00	13.00	10.00	10.00
	6	105	6475	13.00	13.00	10.00	10.00
	6	113	6515	13.00	13.00	10.00	10.00
	7	117	6535	11.50	11.50	8.50	8.50
	7	149	6695	11.50	11.50	8.50	8.50
	7	181	6855	11.50	11.50	8.50	8.50
	7/8	185	6875	11.50	11.50	8.50	8.50
	8	189	6895	14.00	14.00	11.00	11.00

	8	209	6995	14.00	14.00	11.00	11.00
	8	229	7095	14.00	14.00	11.00	11.00
802.11be-EHT40 (MIMO)	5	3	5965	16.00	16.00	14.00	14.00
	5	51	6205	16.00	16.00	14.00	14.00
	5	91	6405	16.00	16.00	14.00	14.00
	6	99	6445	16.00	16.00	13.00	13.00
	6	107	6485	16.00	16.00	13.00	13.00
	6	115	6525	16.00	16.00	13.00	13.00
	7	123	6565	14.50	14.50	12.00	12.00
	7	147	6685	14.50	14.50	12.00	12.00
	7	179	6845	14.50	14.50	12.00	12.00
	7/8	187	6885	14.50	14.50	12.00	12.00
	8	195	6925	16.50	16.50	14.00	14.00
	8	211	7005	16.50	16.50	14.00	14.00
	8	227	7085	16.50	16.50	14.00	14.00
802.11be-EHT80 (MIMO)	5	7	5985	19.00	19.00	16.50	16.50
	5	55	6225	19.00	19.00	16.50	16.50
	5	87	6385	19.00	19.00	16.50	16.50
	6	103	6465	18.50	18.50	16.00	16.00
	6	119	6545	18.50	18.50	16.00	16.00
	7	135	6625	17.00	17.00	15.00	15.00
	7	151	6705	17.00	17.00	15.00	15.00
	7	167	6785	17.00	17.00	15.00	15.00
	7/8	183	6865	17.00	17.00	15.00	15.00
	8	199	6945	19.50	19.50	16.50	16.50
	8	215	7025	19.50	19.50	16.50	16.50
802.11be-EHT160 (MIMO)	5	15	6025	18.00	18.00	18.00	18.00
	5	47	6185	20.00	20.00	19.50	19.50
	5	79	6345	20.00	20.00	19.50	19.50
	6	111	6505	20.00	20.00	18.50	18.50
	7	143	6665	20.00	20.00	17.50	17.50
	7/8	175	6825	20.00	20.00	17.50	17.50
	8	207	6985	20.00	20.00	19.00	19.00

Burst Average Power (dBm)													
6GHz Mode	Band	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
				Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	5	1	5955	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	5	57	6235	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	6	113	6515	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
	7	173	6815	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
802.11ax HE20 (MIMO)	5	1	5955	13.00	13.00	13.00	13.00	12.50	12.50	13.00	13.00	13.00	13.00
	5	57	6235	13.00	13.00	13.00	13.00	12.50	12.50	13.00	13.00	13.00	13.00
	6	113	6515	13.00	13.00	13.00	13.00	12.50	12.50	13.00	13.00	13.00	13.00
	7	173	6815	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
802.11ax HE40 (MIMO)	5	3	5965	16.00	16.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	5	59	6245	16.00	16.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	6	107	6485	16.00	16.00	16.00	16.00	12.50	12.50	15.00	15.00	15.00	15.00
	7	171	6805	14.50	14.50	14.50	14.50	12.00	12.00	14.50	14.50	14.50	14.50
	8	227	7085	16.50	16.50	13.50	13.50	10.50	10.50	16.00	16.00	16.00	16.00
802.11ax HE80 (MIMO)	5	7	5985	19.00	19.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	5	71	6305	19.00	19.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	6	119	6545	18.50	18.50	17.50	17.50	12.50	12.50	15.00	15.00	15.00	15.00
	7	167	6785	17.00	17.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
	8	215	7025	19.50	19.50	13.50	13.50	10.50	10.50	16.00	16.00	16.00	16.00
802.11ax HE160 (MIMO)	5	15	6025	18.00	18.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	5	47	6185	20.00	20.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	6	111	6505	20.00	20.00	17.50	17.50	12.50	12.50	15.00	15.00	15.00	15.00
	7	143	6665	20.00	20.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
	8	207	6985	20.00	20.00	13.50	13.50	10.50	10.50	16.00	16.00	16.00	16.00
802.11be EHT20 (MIMO)	5	1	5955	13.00	13.00	13.00	13.00	12.50	12.50	13.00	13.00	13.00	13.00
	5	57	6235	13.00	13.00	13.00	13.00	12.50	12.50	13.00	13.00	13.00	13.00
	6	113	6515	13.00	13.00	13.00	13.00	12.50	12.50	13.00	13.00	13.00	13.00
	7	173	6815	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
802.11be EHT40 (MIMO)	5	3	5965	16.00	16.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	5	59	6245	16.00	16.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	6	107	6485	16.00	16.00	16.00	16.00	12.50	12.50	15.00	15.00	15.00	15.00
	7	171	6805	14.50	14.50	14.50	14.50	12.00	12.00	14.50	14.50	14.50	14.50
	8	227	7085	16.50	16.50	13.50	13.50	10.50	10.50	16.00	16.00	16.00	16.00
802.11be EHT80 (MIMO)	5	7	5985	19.00	19.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	5	71	6305	19.00	19.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	6	119	6545	18.50	18.50	17.50	17.50	12.50	12.50	15.00	15.00	15.00	15.00
	7	167	6785	17.00	17.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
	8	215	7025	19.50	19.50	13.50	13.50	10.50	10.50	16.00	16.00	16.00	16.00
802.11be EHT160 (MIMO)	5	15	6025	18.00	18.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	5	47	6185	20.00	20.00	16.00	16.00	12.50	12.50	15.50	15.50	15.50	15.50
	6	111	6505	20.00	20.00	17.50	17.50	12.50	12.50	15.00	15.00	15.00	15.00
	7	143	6665	20.00	20.00	16.50	16.50	12.00	12.00	16.50	16.50	16.50	16.50
	8	207	6985	20.00	20.00	13.50	13.50	10.50	10.50	16.00	16.00	16.00	16.00

Very Low Power (VLP)

Maximum Transmit Burst Average Power (dBm)							
6GHz Mode	Band	Channel	Frequency (MHz)	SDB Index 0		CDD Index 0	
				Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	5	1	5955	8.50	8.50	6.00	6.00
	5	49	6195	8.00	8.00	6.00	6.00
	5	93	6415	8.00	8.00	6.00	6.00
	6	97	6435	8.00	8.00	5.50	5.50
	6	105	6475	8.00	8.00	5.50	5.50
	6	113	6515	8.00	8.00	5.50	5.50
	7	117	6535	6.50	6.50	4.50	4.50
	7	149	6695	6.50	6.50	4.50	4.50
	7	181	6855	7.00	7.00	4.50	4.50
	7/8	185	6875	7.00	7.00	4.50	4.50
	8	189	6895	8.50	8.50	6.00	6.00
	8	209	6995	8.50	8.50	6.00	6.00
	8	229	7095	8.50	8.50	6.00	6.00
802.11ax-HE20 (MIMO)	5	1	5955	9.00	9.00	6.50	6.50
	5	49	6195	9.00	9.00	6.50	6.50
	5	93	6415	9.00	9.00	6.50	6.50
	6	97	6435	8.50	8.50	6.00	6.00
	6	105	6475	8.50	8.50	6.00	6.00
	6	113	6515	8.50	8.50	6.00	6.00
	7	117	6535	7.00	7.00	5.00	5.00
	7	149	6695	7.00	7.00	5.00	5.00
	7	181	6855	7.50	7.50	5.00	5.00
	7/8	185	6875	7.50	7.50	5.00	5.00
	8	189	6895	9.00	9.00	6.50	6.50
	8	209	6995	10.00	10.00	6.50	6.50
	8	229	7095	10.00	10.00	6.50	6.50
802.11ax-HE40 (MIMO)	5	3	5965	11.50	11.50	9.50	9.50
	5	51	6205	11.50	11.50	9.50	9.50
	5	91	6405	11.50	11.50	9.50	9.50
	6	99	6445	11.50	11.50	8.50	8.50
	6	107	6485	11.50	11.50	8.50	8.50
	6	115	6525	11.50	11.50	8.50	8.50
	7	123	6565	10.50	10.50	7.50	7.50
	7	147	6685	10.50	10.50	7.50	7.50
	7	179	6845	10.50	10.50	7.50	7.50
	7/8	187	6885	10.50	10.50	7.50	7.50
	8	195	6925	13.00	13.00	9.50	9.50
	8	211	7005	13.00	13.00	9.50	9.50
	8	227	7085	13.00	13.00	9.50	9.50
802.11ax-HE80 (MIMO)	5	7	5985	15.00	15.00	12.50	12.50
	5	55	6225	15.00	15.00	12.50	12.50
	5	87	6385	15.00	15.00	12.50	12.50
	6	103	6465	14.50	14.50	12.00	12.00
	6	119	6545	14.50	14.50	12.00	12.00
	7	135	6625	13.50	13.50	11.00	11.00
	7	151	6705	13.50	13.50	11.00	11.00
	7	167	6785	13.50	13.50	11.00	11.00
	7/8	183	6865	13.50	13.50	11.00	11.00
	8	199	6945	16.00	16.00	12.50	12.50
	8	215	7025	16.00	16.00	12.50	12.50
802.11ax-HE160 (MIMO)	5	15	6025	17.50	17.50	15.50	15.50
	5	47	6185	17.50	17.50	15.50	15.50
	5	79	6345	17.50	17.50	15.50	15.50
	6	111	6505	15.00	15.00	14.50	14.50
	7	143	6665	16.00	16.00	13.50	13.50
	7/8	175	6825	16.00	16.00	13.50	13.50
	8	207	6985	18.50	18.50	15.50	15.50
802.11be-EHT20 (MIMO)	5	1	5955	9.00	9.00	6.50	6.50
	5	49	6195	9.00	9.00	6.50	6.50
	5	93	6415	9.00	9.00	6.50	6.50
	6	97	6435	8.50	8.50	6.00	6.00
	6	105	6475	8.50	8.50	6.00	6.00
	6	113	6515	8.50	8.50	6.00	6.00
	7	117	6535	7.00	7.00	5.00	5.00
	7	149	6695	7.00	7.00	5.00	5.00
	7	181	6855	7.50	7.50	5.00	5.00
	7/8	185	6875	7.50	7.50	5.00	5.00
	8	189	6895	9.00	9.00	6.50	6.50

	8	209	6995	10.00	10.00	6.50	6.50
	8	229	7095	10.00	10.00	6.50	6.50
802.11be-EHT40 (MIMO)	5	3	5965	11.50	11.50	9.50	9.50
	5	51	6205	11.50	11.50	9.50	9.50
	5	91	6405	11.50	11.50	9.50	9.50
	6	99	6445	11.50	11.50	8.50	8.50
	6	107	6485	11.50	11.50	8.50	8.50
	6	115	6525	11.50	11.50	8.50	8.50
	7	123	6565	10.50	10.50	7.50	7.50
	7	147	6685	10.50	10.50	7.50	7.50
	7	179	6845	10.50	10.50	7.50	7.50
	7/8	187	6885	10.50	10.50	7.50	7.50
	8	195	6925	13.00	13.00	9.50	9.50
	8	211	7005	13.00	13.00	9.50	9.50
	8	227	7085	13.00	13.00	9.50	9.50
802.11be-EHT80 (MIMO)	5	7	5985	15.00	15.00	12.50	12.50
	5	55	6225	15.00	15.00	12.50	12.50
	5	87	6385	15.00	15.00	12.50	12.50
	6	103	6465	14.50	14.50	12.00	12.00
	6	119	6545	14.50	14.50	12.00	12.00
	7	135	6625	13.50	13.50	11.00	11.00
	7	151	6705	13.50	13.50	11.00	11.00
	7	167	6785	13.50	13.50	11.00	11.00
	7/8	183	6865	13.50	13.50	11.00	11.00
	8	199	6945	16.00	16.00	12.50	12.50
	8	215	7025	16.00	16.00	12.50	12.50
802.11be-EHT160 (MIMO)	5	15	6025	17.50	17.50	15.50	15.50
	5	47	6185	17.50	17.50	15.50	15.50
	5	79	6345	17.50	17.50	15.50	15.50
	6	111	6505	15.00	15.00	14.50	14.50
	7	143	6665	16.00	16.00	13.50	13.50
	7/8	175	6825	16.00	16.00	13.50	13.50
	8	207	6985	18.50	18.50	15.50	15.50

Burst Average Power (dBm)													
6GHz Mode	Band	Channel	Frequency (MHz)	Index 0		Index 1		Index 2		Index 3		Index 4	
				Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
802.11a (MIMO)	5	1	5955	8.50	8.50							8.50	8.50
	5	57	6235	8.00	8.00							8.00	8.00
	6	113	6515	8.00	8.00							8.00	8.00
	7	173	6815	7.00	7.00							7.00	7.00
802.11ax HE20 (MIMO)	5	1	5955	9.00	9.00							9.00	9.00
	5	57	6235	9.00	9.00							9.00	9.00
	6	113	6515	8.50	8.50							8.50	8.50
	7	173	6815	7.50	7.50							7.50	7.50
802.11ax HE40 (MIMO)	5	3	5965	11.50	11.50							11.50	11.50
	5	59	6245	11.50	11.50							11.50	11.50
	6	107	6485	11.50	11.50							11.50	11.50
	7	171	6805	10.50	10.50							10.50	10.50
	8	227	7085	13.00	13.00							13.00	13.00
802.11ax HE80 (MIMO)	5	7	5985	15.00	15.00							15.00	15.00
	5	71	6305	15.00	15.00							15.00	15.00
	6	119	6545	14.50	14.50							14.50	14.50
	7	167	6785	13.50	13.50							13.50	13.50
	8	215	7025	16.00	16.00							16.00	16.00
802.11ax HE160 (MIMO)	5	15	6025	17.50	17.50							15.50	15.50
	5	47	6185	17.50	17.50							15.50	15.50
	6	111	6505	15.00	15.00							15.00	15.00
	7	143	6665	16.00	16.00							16.00	16.00
	8	207	6985	18.50	18.50							16.00	16.00
802.11be EHT20 (MIMO)	5	1	5955	9.00	9.00							9.00	9.00
	5	57	6235	9.00	9.00							9.00	9.00
	6	113	6515	8.50	8.50							8.50	8.50
	7	173	6815	7.50	7.50							7.50	7.50
802.11be EHT40 (MIMO)	5	3	5965	11.50	11.50							11.50	11.50
	5	59	6245	11.50	11.50							11.50	11.50
	6	107	6485	11.50	11.50							11.50	11.50
	7	171	6805	10.50	10.50							10.50	10.50
	8	227	7085	13.00	13.00							13.00	13.00
802.11be EHT80 (MIMO)	5	7	5985	15.00	15.00							15.00	15.00
	5	71	6305	15.00	15.00							15.00	15.00
	6	119	6545	14.50	14.50							14.50	14.50
	7	167	6785	13.50	13.50							13.50	13.50
	8	215	7025	16.00	16.00							16.00	16.00
802.11be EHT160 (MIMO)	5	15	6025	17.50	17.50							15.50	15.50
	5	47	6185	17.50	17.50							15.50	15.50
	6	111	6505	15.00	15.00							15.00	15.00
	7	143	6665	16.00	16.00							16.00	16.00
	8	207	6985	18.50	18.50							16.00	16.00

<Bluetooth/Thread/UWB Maximum Power>

General Note:

1. The device implements the power management for Bluetooth/Thread 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 14 of this report. Full details about the proprietary power management decision are illustrated in the operational description.

Burst Average Power (dBm)								
Bluetooth Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
BR / EDR 1Mbps (SISO)	0	2402	21.00	21.00	13.00	15.00	17.00	19.50
	39	2441	21.00	21.00	13.00	15.00	17.00	19.50
	78	2480	21.00	21.00	13.00	15.00	17.00	19.50
BR / EDR 2Mbps (SISO)	0	2402	18.50	18.50	13.00	15.00	17.00	18.50
	39	2441	18.50	18.50	13.00	15.00	17.00	18.50
	78	2480	18.50	18.50	13.00	15.00	17.00	18.50
BR / EDR 3Mbps (SISO)	0	2402	18.50	18.50	13.00	15.00	17.00	18.50
	39	2441	18.50	18.50	13.00	15.00	17.00	18.50
	78	2480	18.50	18.50	13.00	15.00	17.00	18.50
LE 1Mbps (SISO)	0	2402	20.00	20.00	13.00	15.00	17.00	19.50
	19	2440	20.00	20.00	13.00	15.00	17.00	19.50
	39	2480	20.00	20.00	13.00	15.00	17.00	19.50
LE 2Mbps (SISO)	1	2404	20.00	20.00	13.00	15.00	17.00	19.50
	19	2440	20.00	20.00	13.00	15.00	17.00	19.50
	38	2478	20.00	20.00	13.00	15.00	17.00	19.50
BLE CS GFSK 1Mbps (SISO)	2	2404	19.00	19.00	13.00	15.00	17.00	19.00
	38	2440	19.00	19.00	13.00	15.00	17.00	19.00
	76	2478	19.00	19.00	13.00	15.00	17.00	19.00
BLE CS GFSK 2Mbps (SISO)	2	2404	19.00	19.00	13.00	15.00	17.00	19.00
	38	2440	19.00	19.00	13.00	15.00	17.00	19.00
	76	2478	19.00	19.00	13.00	15.00	17.00	19.00
BLE CS ASK 1Mbps (SISO)	2	2404	19.00	19.00	13.00	15.00	17.00	19.00
	38	2440	19.00	19.00	13.00	15.00	17.00	19.00
	76	2478	19.00	19.00	13.00	15.00	17.00	19.00
BLE CS ASK 2Mbps (SISO)	2	2404	19.00	19.00	13.00	15.00	17.00	19.00
	38	2440	19.00	19.00	13.00	15.00	17.00	19.00
	76	2478	19.00	19.00	13.00	15.00	17.00	19.00

Burst Average Power (dBm)								
Bluetooth Mode	Channel	Frequency (MHz)	Index 0		Index 1		Index 2	
			Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
BR / EDR 1Mbps (MIMO)	0	2402	21.00	21.00	13.00	13.00	17.00	17.00
	39	2441	21.00	21.00	13.00	13.00	17.00	17.00
	78	2480	21.00	21.00	13.00	13.00	17.00	17.00
BR / EDR 2Mbps (MIMO)	0	2402	17.50	17.50	13.00	13.00	17.00	17.00
	39	2441	17.50	17.50	13.00	13.00	17.00	17.00
	78	2480	17.50	17.50	13.00	13.00	17.00	17.00
BR / EDR 3Mbps (MIMO)	0	2402	17.50	17.50	13.00	13.00	17.00	17.00
	39	2441	17.50	17.50	13.00	13.00	17.00	17.00
	78	2480	17.50	17.50	13.00	13.00	17.00	17.00
LE 1Mbps (MIMO)	0	2402	19.50	19.50	13.00	13.00	17.00	17.00
	19	2440	19.50	19.50	13.00	13.00	17.00	17.00
	39	2480	19.50	19.50	13.00	13.00	17.00	17.00
LE 2Mbps (MIMO)	1	2404	19.50	19.50	13.00	13.00	17.00	17.00
	19	2440	19.50	19.50	13.00	13.00	17.00	17.00
	38	2478	19.50	19.50	13.00	13.00	17.00	17.00

<Thread Maximum Power>

Burst Average Power (dBm)					
Thread Mode	Channel	Frequency (MHz)	Index 0	Index 1	Index 2
			Ant 3	Ant 3	Ant 3
250K (SISO)	11	2405	22.00	11.50	16.50
	18	2440	22.00	11.50	16.50
	25	2475	22.00	11.50	16.50
	26	2480	22.00	11.50	16.50

<UWB Maximum Power>

Maximum Tune up Power (dBm)			
UWB	Ant 2 (CH05)	Ant 1 (CH09)	Ant 2 (CH09)
	-15.19	-16.66	-18.55

2.3 General LTE SAR Test and Reporting Considerations

Summarized necessary items addressed in KDB 941225 D05 v02r05	
FCC ID	A4RGUL82
Equipment Name	Phone
Operating Frequency Range of each LTE transmission band	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz
Channel Bandwidth	LTE Band 2:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 4:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 5:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 7: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 12:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 13: 5MHz, 10MHz LTE Band 14: 5MHz, 10MHz LTE Band 17: 5MHz, 10MHz LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 26:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz LTE Band 30: 5MHz, 10MHz LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz
uplink modulations used	QPSK / 16QAM / 64QAM / 256QAM
LTE Voice / Data requirements	Voice and Data
LTE MPR permanently built-in by design	**Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3**

Modulation	Channel bandwidth / Transmission bandwidth (N_{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3
256 QAM	≥ 1						≤ 5

LTE A-MPR	In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI)
Spectrum plots for RB configuration	A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.
Power reduction applied to satisfy SAR compliance	The device has several different power modes for each exposure conditions SAR compliance; power selection is determined by the device's positioning and usage scenarios. Detail refer to operational description.
LTE Carrier Aggregation Combinations	The UL CA include in section 12
LTE Carrier Aggregation Additional Information	Additional following LTE Release features are not supported: Relay, HetNet, Enhanced MIMO, eICI, WiFi Offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA.

Transmission (H, M, L) channel numbers and frequencies in each LTE band

LTE Band 2

	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	18607	1850.7	18615	1851.5	18625	1852.5	18650	1855	18675	1857.5	18700	1860
M	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880
H	19193	1909.3	19185	1908.5	19175	1907.5	19150	1905	19125	1902.5	19100	1900

LTE Band 4

	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	19957	1710.7	19965	1711.5	19975	1712.5	20000	1715	20025	1717.5	20050	1720
M	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5
H	20393	1754.3	20385	1753.5	20375	1752.5	20350	1750	20325	1747.5	20300	1745

LTE Band 5

	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz	
	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
L M	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5
M	40620	2593	40620	2593	40620	2593	40620	2593
H M	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
L M	55810	3607	55815	3607.5	55820	3608	55830	3609
M H	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	A4RGUL82
Equipment Name	Phone
Operating Frequency Range of each 5G NR transmission band	5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n14 : 788 MHz ~ 798 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450 MHz ~ 3550 MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450 MHz ~ 3550 MHz
Channel Bandwidth	5G NR n2: 5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz 5G NR n5: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n7: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz, 50MHz 5G NR n12: 5MHz, 10MHz, 15MHz 5G NR n14: 5MHz, 10MHz 5G NR n25: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 35MHz, 40MHz 5G NR n26: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n30: 5MHz, 10MHz 5G NR n38: 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz 5G NR n41: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz 5G NR n48: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz 5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 35MHz, 40MHz 5G NR n70: 5MHz, 10MHz, 15MHz 5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n77: 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz 5G NR n78: 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
SCS	FDD: SCS15KHz, TDD: SCS30KHz
uplink modulations used	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM QPSK / 16QAM / 64QAM / 256QAM
A-MPR (Additional MPR) disabled for SAR Testing?	Yes
LTE Anchor Band 2	FR1 n2/5/7/12/25/30/38/41/48/66/71/77/78
LTE Anchor Band 4	FR1 n2/38/41/78
LTE Anchor Band 5	FR1 n2/7/30/38/41/66/77/78
LTE Anchor Band 7	FR1 n2/5/12/66/71/77/78
LTE Anchor Band 12	FR1 n2/7/25/30/38/41/66/77/78
LTE Anchor Band 13	FR1 n2/7/25/66/77/78
LTE Anchor Band 14	FR1 n2/30/66/77
LTE Anchor Band 25	FR1 n41/66/77/78
LTE Anchor Band 26	FR1 n25/41/77
LTE Anchor Band 30	FR1 n2/5/66/77
LTE Anchor Band 38	FR1 n78
LTE Anchor Band 41	FR1 n41/77/78
LTE Anchor Band 48	FR1 n2/5/25/48/66/77
LTE Anchor Band 66	FR1 n2/5/7/12/25/30/38/41/48/66/71/77/78
LTE Anchor Band 71	FR1 n2/7/38/41/66/78

NR Band 2

	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	374000	1870
M	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880
H	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895	378000	1890

NR Band 5

	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	165300	826.5	165800	829	166300	831.5	166800	834

M	167300	836.5	167300	836.5	167300	836.5	167300	836.5
H	169300	846.5	168800	844	168300	841.5	167800	839

NR Band 7

	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	504000	2520	505000	2525
M	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535
H	513500	2567.5	513000	2565	512500	2562.5	512000	2560	511500	2557.5	511000	2555	510000	2550	509000	2545

NR Band 12

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

NR Band 14

	Bandwidth 5MHz		Bandwidth 10MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	158100	790.5	158600	793
M	158600	793		
H	159100	795.5		

NR Band 25

	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	373500	1867.5	374000	1870
M	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5
H	382500	1912.5	382000	1910	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895

NR Band 26

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

NR Band 30

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

NR Band 38

	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	515004	2575.02	515502	2577.51	516000	2580	516504	2582.52	517002	2585.01	518004	2590.02
M	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595
H	522996	2614.98	522498	2612.49	522000	2610	521496	2607.48	520998	2604.99	519996	2599.98

NR Band 41

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

NR Band 48

	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	637000	3555	637168	3557.52	637334	3560.01	637668	3565.02	638000	3570
M	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99
H	646332	3694.98	646166	3692.49	646000	3690	645666	3684.99	645332	3679.98

NR Band 66																
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	342500	1712.5	343000	1715	343500	1717.5	344000	1720	344500	1722.5	345000	1725	345500	1727.5	346000	1730
M	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745
H	355500	1777.5	355000	1775	354500	1772.5	354000	1770	353500	1767.5	353000	1765	352500	1762.5	352000	1760

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

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

NR Band 77_Part 27O																								
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	665000	3975	664832	3972.48	664666	3969.99	664500	3967.50	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930

NR Band 78_Part 27O																								
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750		
H	653000	3795	652832	3792.48	652666	3789.99	652500	3787.50	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98		

NR Band 77/78_Part 27Q																								
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth25MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	630334	3455.01	630500	3457.5	630668	3460.02	630834	3462.51	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495		
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 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 Plimit power levels in the table correspond to the burst average power levels which don't account for TX duty cycle.
3. UMTS, LTE, FR1 and NTN: Plimit power levels in the table correspond to the time-averaged power levels which accounts for TX duty cycle.
4. Maximum target power, Pmax, is configured in NV settings in EUT to limit maximum transmitting power. This power is converted into peak power in NV settings for TDD schemes.

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

Wireless technology (No Accounting duty cycle)	Mode	Duty Cycle %	Antenna	Maximum 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 1TX	12.50%	Ant0	32.50	30.50	29.80	33.90	34.60	33.90	32.50
	GPRS 1TX	12.50%		32.50	38.80	38.10	33.90	34.60	33.90	32.50
	GPRS 2TX	25.00%		31.50	35.80	35.10	30.90	31.60	30.90	31.50
	GPRS 3TX	37.50%		30.50	34.00	33.30	29.10	29.80	29.10	30.50
	GPRS 4TX	50.00%		29.50	32.80	32.10	27.90	28.60	27.90	29.50
	EDGE 1TX	12.50%		26.50	38.80	38.10	33.90	34.60	33.90	26.50
	EDGE 2TX	25.00%		25.50	35.80	35.10	30.90	31.60	30.90	25.50
	EDGE 3TX	37.50%		24.50	34.00	33.30	29.10	29.80	29.10	24.50
	EDGE 4TX	50.00%		23.50	32.80	32.10	27.90	28.60	27.90	23.50
GSM850	GSM 1TX	12.50%	Ant1	32.20	30.20	29.00	32.90	33.60	32.90	32.20
	GPRS 1TX	12.50%		32.20	31.50	30.30	32.90	33.60	32.90	32.20
	GPRS 2TX	25.00%		31.20	28.50	27.30	29.90	30.60	29.90	31.20
	GPRS 3TX	37.50%		30.20	26.70	25.50	28.10	28.80	28.10	30.20
	GPRS 4TX	50.00%		29.20	25.50	24.30	26.90	27.60	26.90	29.20
	EDGE 1TX	12.50%		26.20	31.50	30.30	32.90	33.60	32.90	26.20
	EDGE 2TX	25.00%		25.20	28.50	27.30	29.90	30.60	29.90	25.20
	EDGE 3TX	37.50%		24.20	26.70	25.50	28.10	28.80	28.10	24.20
	EDGE 4TX	50.00%		23.20	25.50	24.30	26.90	27.60	26.90	23.20
GSM1900	GSM/GPRS 1TX	12.50%	Ant2	29.50	36.90	36.20	28.50	29.20	28.50	29.50
	GPRS 2TX	25.00%		28.00	33.90	33.20	25.50	26.20	25.50	28.00
	GPRS 3TX	37.50%		27.50	32.10	31.40	23.70	24.40	23.70	27.50
	GPRS 4TX	50.00%		26.50	30.90	30.20	22.50	23.20	22.50	26.50
	EDGE 1TX	12.50%		25.50	36.90	36.20	28.50	29.20	28.50	25.50
	EDGE 2TX	25.00%		24.50	33.90	33.20	25.50	26.20	25.50	24.50
	EDGE 3TX	37.50%		23.50	32.10	31.40	23.70	24.40	23.70	23.50
	EDGE 4TX	50.00%		22.50	30.90	30.20	22.50	23.20	22.50	22.50
GSM1900	GSM/GPRS 1TX	12.50%	Ant0	29.30	44.50	43.80	26.30	28.10	27.40	29.30
	GPRS 2TX	25.00%		27.80	41.50	40.80	23.30	25.10	24.40	27.80
	GPRS 3TX	37.50%		27.30	39.70	39.00	21.50	23.30	22.60	27.30
	GPRS 4TX	50.00%		26.30	38.50	37.80	20.30	22.10	21.40	26.30
	EDGE 1TX	12.50%		25.30	44.50	43.80	26.30	28.10	27.40	25.30
	EDGE 2TX	25.00%		24.30	41.50	40.80	23.30	25.10	24.40	24.30
	EDGE 3TX	37.50%		23.30	39.70	39.00	21.50	23.30	22.60	23.30
	EDGE 4TX	50.00%		22.30	38.50	37.80	20.30	22.10	21.40	22.30

Wireless technology (Accounting duty cycle)	Mode	Duty Cycle %	Antenna	Maximum 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)						
WCDMA B2	R99	100.00%	Ant2	24.00	27.60	26.90	21.40	22.10	21.40	24.00
WCDMA B2	R99	100.00%	Ant0	23.80	35.40	34.70	17.10	20.10	19.40	23.80
WCDMA B4	R99	100.00%	Ant2	24.00	28.20	27.50	21.70	22.40	21.70	24.00
WCDMA B4	R99	100.00%	Ant0	23.80	32.90	32.20	17.80	19.70	19.00	23.80
WCDMA B5	R99	100.00%	Ant0	24.30	29.90	29.20	25.30	26.00	25.30	24.30
WCDMA B5	R99	100.00%	Ant1	24.00	23.20	22.20	25.70	26.40	25.70	24.00
LTE B7	PC3	100.00%	Ant2	24.10	25.50	24.80	20.00	20.70	20.00	24.10
LTE B7	PC3	100.00%	Ant0	23.90	32.60	31.90	19.50	21.10	20.40	23.90
LTE B12/B17	PC3	100.00%	Ant0	24.30	30.50	29.80	26.50	27.70	27.00	24.30
LTE B12/B17	PC3	100.00%	Ant1	24.00	23.90	22.70	25.40	26.10	25.40	24.00
LTE B13	PC3	100.00%	Ant0	24.30	29.80	29.10	23.50	26.90	26.20	24.30
LTE B13	PC3	100.00%	Ant1	24.00	23.30	22.60	25.10	25.80	25.10	24.00
LTE B14	PC3	100.00%	Ant0	24.30	29.50	28.80	23.50	26.10	25.40	24.30
LTE B14	PC3	100.00%	Ant1	24.00	22.70	22.00	25.20	25.90	25.20	24.00
LTE B25/B2	PC3	100.00%	Ant2	24.00	27.50	26.80	20.80	21.50	20.80	24.00
LTE B25/B2	PC3	100.00%	Ant0	23.80	34.00	33.30	17.00	19.50	18.80	23.80
LTE B25/B2	PC3	100.00%	Ant1	24.00	16.30	15.40	21.10	21.80	21.10	24.00
LTE B25/B2	PC3	100.00%	Ant5	23.60	18.60	17.90	22.50	23.70	23.00	23.60
LTE B26/B5	PC3	100.00%	Ant0	24.30	29.20	28.50	25.90	26.70	26.00	24.30
LTE B26/B5	PC3	100.00%	Ant1	24.00	22.90	21.90	24.90	25.60	24.90	24.00
LTE B30	PC3	100.00%	Ant2	23.70	26.00	25.30	19.30	20.00	19.30	23.70
LTE B30	PC3	100.00%	Ant0	23.50	32.70	32.00	17.80	20.40	19.70	23.50
LTE B41/B38	PC3	63.30%	Ant2	22.10	26.00	25.30	20.90	21.60	20.90	22.10
LTE B41/B38	PC2	43.30%	Ant2	22.40	26.00	25.30	20.90	21.60	20.90	22.40
LTE B41/B38	PC3	63.30%	Ant0	22.10	33.20	32.50	20.20	21.90	21.20	22.10
LTE B41/B38	PC2	43.30%	Ant0	22.40	33.20	32.50	20.20	21.90	21.20	22.40
LTE B48	PC3	63.30%	Ant6	22.00	27.50	26.80	19.80	20.50	19.80	22.00
LTE B48	PC3	63.30%	Ant7	18.80	26.10	25.40	18.00	18.70	18.00	18.80
LTE B66/B4	PC3	100.00%	Ant2	24.00	27.80	27.10	21.00	21.70	21.00	24.00
LTE B66/B4	PC3	100.00%	Ant0	23.80	36.20	35.50	17.30	18.90	18.20	23.80
LTE B66/B4	PC3	100.00%	Ant1	24.00	17.40	16.20	21.60	22.30	21.60	24.00
LTE B66/B4	PC3	100.00%	Ant5	23.60	18.80	18.10	23.60	25.00	24.30	23.60
LTE B71	PC3	100.00%	Ant0	24.30	32.20	31.50	26.70	27.40	26.70	24.30
LTE B71	PC3	100.00%	Ant1	24.00	24.00	22.80	25.90	26.60	25.90	24.00
FR1 n7	PC3	100.00%	Ant2	24.10	25.60	24.90	20.30	21.00	20.30	24.10
FR1 n7	PC3	100.00%	Ant0	23.90	33.30	32.60	19.50	21.30	20.60	23.90
FR1 n12	PC3	100.00%	Ant0	24.30	30.60	29.90	26.10	27.20	26.50	24.30
FR1 n12	PC3	100.00%	Ant1	24.00	24.70	24.00	25.60	26.30	25.60	24.00
FR1 n14	PC3	100.00%	Ant0	24.30	29.50	28.80	23.70	26.80	26.10	24.30
FR1 n14	PC3	100.00%	Ant1	24.00	22.90	21.70	26.10	26.80	26.10	24.00
FR1 n25/n2	PC3	100.00%	Ant2	24.00	27.80	27.10	21.10	21.80	21.10	24.00
FR1 n25/n2	PC3	100.00%	Ant0	23.80	34.90	34.20	17.50	19.60	18.90	23.80
FR1 n25/n2	PC3	100.00%	Ant1	24.00	17.00	15.80	21.50	22.20	21.50	24.00
FR1 n25/n2	PC3	100.00%	Ant5	23.60	18.90	18.20	23.30	24.60	23.90	23.60
FR1 n26/n5	PC3	100.00%	Ant0	24.30	29.30	28.60	25.40	26.60	25.90	24.30
FR1 n26/n5	PC3	100.00%	Ant1	24.00	22.90	22.20	25.10	25.80	25.10	24.00
FR1 n30	PC3	100.00%	Ant2	23.70	26.60	25.90	20.20	20.90	20.20	23.70
FR1 n30	PC3	100.00%	Ant0	23.50	32.90	32.20	17.70	20.20	19.50	23.50
FR1 n41/n38	PC3	100.00%	Ant2	24.10	25.80	25.10	20.30	21.00	20.30	24.10
FR1 n41	PC2	50.00%	Ant2	23.00	25.80	25.10	20.30	21.00	20.30	23.00

FR1 n41	PC1.5	25.00%	Ant2	20.00	25.80	25.10	20.30	21.00	20.30	20.00
FR1 n41/n38	PC3	100.00%	Ant0	24.10	32.80	32.10	20.20	21.70	21.00	24.10
FR1 n41	PC2	50.00%	Ant0	23.00	32.80	32.10	20.20	21.70	21.00	23.00
FR1 n41	PC1.5	25.00%	Ant0	20.00	32.80	32.10	20.20	21.70	21.00	20.00
FR1 n41/n38	PC3	100.00%	Ant1	24.10	18.00	17.30	20.80	22.20	21.50	24.10
FR1 n41	PC2	50.00%	Ant1	23.00	18.00	17.30	20.80	22.20	21.50	23.00
FR1 n41	PC1.5	25.00%	Ant1	20.00	18.00	17.30	20.80	22.20	21.50	20.00
FR1 n41/n38	PC3	100.00%	Ant5	23.70	17.90	17.20	22.20	23.20	22.50	23.70
FR1 n41	PC2	50.00%	Ant5	22.60	17.90	17.20	22.20	23.20	22.50	22.60
FR1 n41	PC1.5	25.00%	Ant5	19.60	17.90	17.20	22.20	23.20	22.50	19.60
FR1 n48	PC3	100.00%	Ant6	24.00	27.60	26.90	19.70	20.40	19.70	24.00
FR1 n48	PC3	100.00%	Ant7	20.80	25.60	24.90	17.60	18.60	17.90	20.80
FR1 n48	PC3	100.00%	Ant1	24.00	18.00	17.30	20.80	21.50	20.80	24.00
FR1 n48	PC3	100.00%	Ant5	23.70	19.50	18.30	23.10	23.80	23.10	23.70
FR1 n66	PC3	100.00%	Ant2	24.00	28.60	27.90	21.60	22.30	21.60	24.00
FR1 n66	PC3	100.00%	Ant0	23.80	35.40	34.70	18.20	19.60	18.90	23.80
FR1 n66	PC3	100.00%	Ant1	24.00	17.50	16.30	22.20	23.00	22.30	24.00
FR1 n66	PC3	100.00%	Ant5	23.60	19.50	18.30	23.10	25.30	24.60	23.60
FR1 n70	PC3	100.00%	Ant2	23.70	28.70	28.00	21.60	22.30	21.60	23.70
FR1 n70	PC3	100.00%	Ant0	23.50	34.50	33.80	18.10	19.60	18.90	23.50
FR1 n71	PC3	100.00%	Ant0	24.30	32.80	32.10	27.50	28.20	27.50	24.30
FR1 n71	PC3	100.00%	Ant1	24.00	23.20	22.00	25.90	26.60	25.90	24.00
FR1 n77/n78	PC3	100.00%	Ant6	24.00	27.90	27.20	19.60	20.30	19.60	24.00
FR1 n77/n78	PC2	50.00%	Ant6	23.00	27.90	27.20	19.60	20.30	19.60	23.00
FR1 n77	PC1.5	25.00%	Ant6	19.50	27.90	27.20	19.60	20.30	19.60	19.50
FR1 n77/n78	PC3	100.00%	Ant7	23.00	23.30	22.10	17.50	18.20	17.50	23.00
FR1 n77/n78	PC2	50.00%	Ant7	22.20	23.30	22.10	17.50	18.20	17.50	22.20
FR1 n77	PC1.5	25.00%	Ant7	18.50	23.30	22.10	17.50	18.20	17.50	18.50
FR1 n77/n78	PC3	100.00%	Ant1	24.00	15.40	14.70	19.20	20.40	19.70	24.00
FR1 n77	PC2	50.00%	Ant1	23.00	15.40	14.70	19.20	20.40	19.70	23.00
FR1 n77	PC1.5	25.00%	Ant1	19.50	15.40	14.70	19.20	20.40	19.70	19.50
FR1 n77/n78	PC3	100.00%	Ant5	23.70	18.20	17.10	24.10	24.80	24.10	23.70
FR1 n77	PC2	50.00%	Ant5	22.70	18.20	17.10	24.10	24.80	24.10	22.70
FR1 n77	PC1.5	25.00%	Ant5	19.20	18.20	17.10	24.10	24.80	24.10	19.20
NTN B23	PC3	83.00%	Ant1	21.70				21.30		21.70
NTN B255	PC3	83.00%	Ant4	22.70				23.00		22.70

4. 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)

5. RF Exposure Limits

5.1 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.

5.2 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.

5.3 RF Exposure limit for above 6GHz

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

Peak Spatially Averaged Power Density was evaluated over a circular area of 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

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:

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

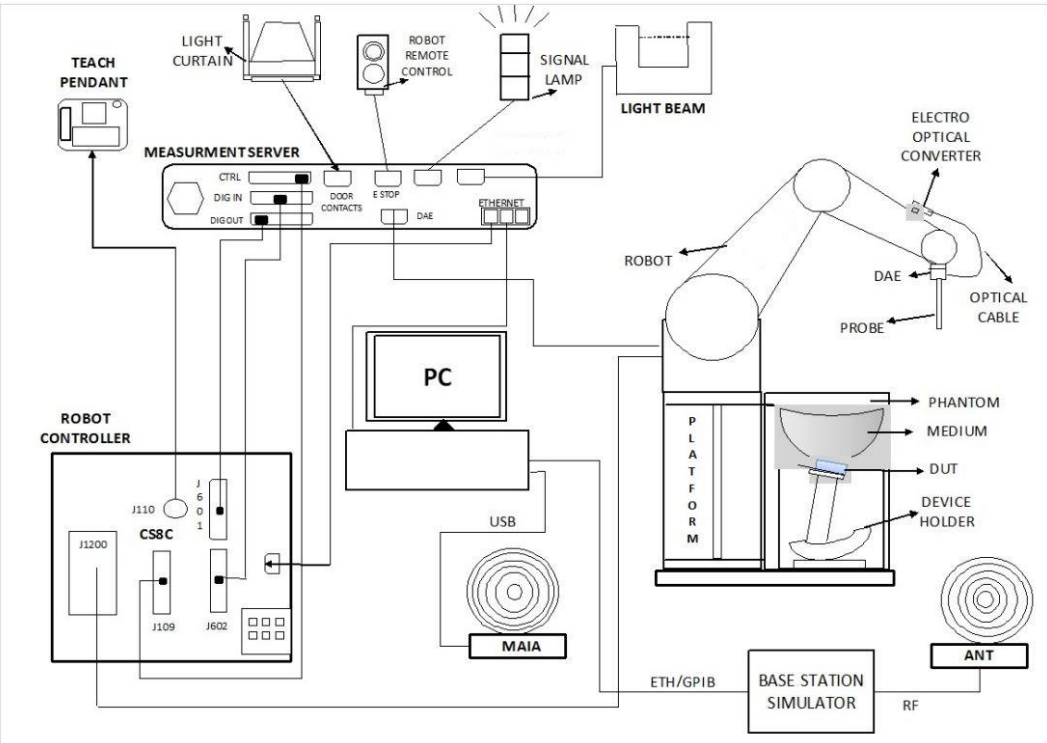
SAR is expressed in units of Watts per kilogram (W/kg)

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

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.

Laboratory	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	SAR18-HY	SAR21-HY
	SAR04-HY	SAR05-HY	SAR11-HY	SAR12-HY	SAR16-HY	SAR19-HY	SAR22-HY
	SAR06-HY	SAR10-HY	SAR13-HY	SAR14-HY	SAR17-HY	SAR20-HY	

7.2 E-Field Probe

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

<ES3DV3 Probe>

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

<EX3DV4 Probe>

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

7.3 Data Acquisition Electronics (DAE)

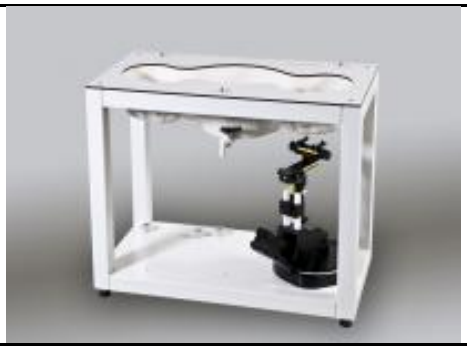
The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an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

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

Fig 5.1 Photo of DAE

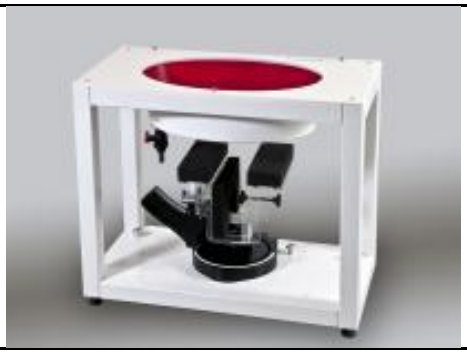
7.4 Phantom

<SAM Twin Phantom>

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

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

<ELI Phantom>

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

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

7.5 Device Holder

<Mounting Device for Hand-Held Transmitter>

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

Mounting Device for Hand-Held Transmitters

Mounting Device Adaptor for Wide-Phones

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

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

Mounting Device for Laptops

8. Measurement Procedures

The measurement procedures are as follows:

(a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
(b) Place the EUT in the positions as Appendix 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	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

* When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

8.5 Volume Scan Procedures

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

8.6 Power Drift Monitoring

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

9. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit(2)	D750V3	1107	Jun. 22, 2022	Jun. 19, 2025
SPEAG	835MHz System Validation Kit(2)	D835V2	4d167	Nov. 24, 2022	Nov. 21, 2025
SPEAG	1640MHz System Validation Kit(2)	D1640V2	346	Aug. 19, 2022	Aug. 16, 2025
SPEAG	1750MHz System Validation Kit(2)	D1750V2	1120	Mar. 25, 2022	Mar. 22, 2025
SPEAG	1900MHz System Validation Kit(2)	D1900V2	5d093	Mar. 25, 2022	Mar. 22, 2025
SPEAG	1900MHz System Validation Kit(2)	D1900V2	5d185	Jun. 17, 2022	Jun. 14, 2025
SPEAG	2000MHz System Validation Kit	D2000V2	1010	Aug. 16, 2024	Aug. 15, 2025
SPEAG	2300MHz System Validation Kit	D2300V2	1088	Jul. 10, 2024	Jul. 09, 2025
SPEAG	2450MHz System Validation Kit(2)	D2450V2	929	Nov. 21, 2022	Nov. 18, 2025
SPEAG	2450MHz System Validation Kit(2)	D2450V2	806	Mar. 24, 2022	Mar. 21, 2025
SPEAG	2600MHz System Validation Kit	D2600V2	1008	Aug. 15, 2024	Aug. 14, 2025
SPEAG	2600MHz System Validation Kit(2)	D2600V2	1089	Mar. 24, 2022	Mar. 21, 2025
SPEAG	3500MHz System Validation Kit	D3500V2	1014	Jan. 15, 2025	Jan. 14, 2026
SPEAG	3500MHz System Validation Kit(2)	D3500V2	1036	Mar. 23, 2022	Mar. 20, 2025
SPEAG	3700MHz System Validation Kit(2)	D3700V2	1006	Jun. 20, 2022	Jun. 17, 2025
SPEAG	3700MHz System Validation Kit	D3700V2	1022	Jul. 10, 2024	Jul. 09, 2025
SPEAG	3900MHz System Validation Kit(2)	D3900V2	1017	Apr. 22, 2022	Apr. 19, 2025
SPEAG	3900MHz System Validation Kit(2)	D3900V2	1092	May. 15, 2023	May. 13, 2025
SPEAG	5GHz System Validation Kit	D5GHzV2	1006	Oct. 15, 2024	Oct. 14, 2025
SPEAG	5GHz System Validation Kit	D5GHzV2	1128	Sep. 17, 2024	Sep. 16, 2025
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1003	Mar. 15, 2024	Mar. 14, 2025
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1083	Oct. 17, 2024	Oct. 16, 2025
SPEAG	13MHz System Validation Kit(2)	CLA13	1011	Jul. 10, 2023	Jul. 08, 2025
SPEAG	5G Verification Source	10GHz	1052	Oct. 16, 2024	Oct. 15, 2025
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9461	Oct. 16, 2024	Oct. 15, 2025
SPEAG	Data Acquisition Electronics	DAE4	703	Apr. 22, 2024	Apr. 21, 2025
SPEAG	Data Acquisition Electronics	DAE4	1399	Mar. 13, 2024	Mar. 12, 2025
SPEAG	Data Acquisition Electronics	DAE4	1424	Dec. 19, 2024	Dec. 18, 2025
SPEAG	Data Acquisition Electronics	DAE4	1694	Nov. 19, 2024	Nov. 18, 2025
SPEAG	Data Acquisition Electronics	DAE4	1696	Sep. 03, 2024	Sep. 02, 2025
SPEAG	Data Acquisition Electronics	DAE4	1697	Nov. 14, 2024	Nov. 13, 2025
SPEAG	Data Acquisition Electronics	DAE4	1707	Dec. 04, 2024	Dec. 03, 2025
SPEAG	Data Acquisition Electronics	DAE4	1776	Feb. 13, 2024	Feb. 12, 2025
SPEAG	Data Acquisition Electronics	DAE4ip	1800	Jun. 18, 2024	Jun. 17, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3728	Mar. 20, 2024	Mar. 19, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3931	Nov. 19, 2024	Nov. 18, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7590	Mar. 19, 2024	Mar. 18, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7625	Dec. 13, 2024	Dec. 12, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7694	Nov. 18, 2024	Nov. 17, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7695	Dec. 02, 2024	Dec. 01, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7785	Nov. 28, 2024	Nov. 27, 2025
Testo	Hygro meter	608-H1	45196600	Oct. 28, 2024	Oct. 27, 2025
Anritsu	Radio Communication Analyzer	MT8821C	6201341950	Nov. 12, 2024	Nov. 11, 2025
Keysight	5G Wireless Test Platform	E7515B	MY58300712	Apr. 22, 2024	Apr. 21, 2025
R&S	BT Base Station	CBT	101136	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3710A	6201502524	Sep. 24, 2024	Sep. 23, 2025
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Dielectric Probe Kit	DAK-3.5	1126	Sep. 17, 2024	Sep. 16, 2025
SPEAG	Dielectric Probe Kit	DAK-12	1156	Jul. 15, 2024	Jul. 14, 2025
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3690	Aug. 07, 2024	Aug. 06, 2025
Anritsu	Power Meter	ML2495A	1419002	Aug. 13, 2024	Aug. 12, 2025

Anritsu	Power Sensor	MA2411B	1911176	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 09, 2024	Jul. 08, 2025
Mini-Circuits	Power Amplifier	ZVE-8G+	6418	Oct. 23, 2024	Oct. 22, 2025
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
Warison	Directional Coupler	WCOU-10-50S-10	WR889BMC4B1	Note 1	
Woken	Attenuator 1	WK0602-XX	N/A	Note 1	
PE	Attenuator 2	PE7005-10	N/A	Note 1	
PE	Attenuator 3	PE7005- 3	N/A	Note 1	

General Note:

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
750	22.4	0.877	41.800	0.89	41.90	-1.46	-0.24	±5	2025/1/22
750	22.3	0.875	41.700	0.89	41.90	-1.69	-0.48	±5	2025/1/23
750	22.6	0.872	41.600	0.89	41.90	-2.02	-0.72	±5	2025/1/24
750	22.3	0.898	43.100	0.89	41.90	0.90	2.86	±5	2025/2/2
750	22.3	0.894	43.000	0.89	41.90	0.45	2.63	±5	2025/2/10
750	22.7	0.892	43.100	0.89	41.90	0.22	2.86	±5	2025/2/14
750	22.6	0.902	40.200	0.89	41.90	1.35	-4.06	±5	2025/2/18
750	22.6	0.885	42.800	0.89	41.90	-0.56	2.15	±5	2025/3/26
835	22.1	0.923	42.500	0.90	41.50	2.56	2.41	±5	2025/1/21
835	22.5	0.914	41.500	0.90	41.50	1.56	0.00	±5	2025/1/25
835	22.4	0.929	41.500	0.90	41.50	3.22	0.00	±5	2025/1/28
835	22.5	0.941	41.800	0.90	41.50	4.56	0.72	±5	2025/2/1
835	22.3	0.933	42.800	0.90	41.50	3.67	3.13	±5	2025/2/2
835	22.3	0.928	42.700	0.90	41.50	3.11	2.89	±5	2025/2/10
835	22.5	0.916	42.400	0.90	41.50	1.78	2.17	±5	2025/2/15
835	22.6	0.937	40.300	0.90	41.50	4.11	-2.89	±5	2025/2/18
835	22.5	0.926	40.100	0.90	41.50	2.89	-3.37	±5	2025/3/5
1640	22.8	1.260	39.900	1.31	40.23	-3.82	-0.82	±5	2025/2/18
1750	22.4	1.370	40.800	1.37	40.10	0.00	1.75	±5	2025/1/31
1750	22.4	1.370	40.500	1.37	40.10	0.00	1.00	±5	2025/2/4
1750	22.3	1.350	40.900	1.37	40.10	-1.46	2.00	±5	2025/2/7
1750	22.6	1.380	40.900	1.37	40.10	0.73	2.00	±5	2025/2/13
1750	22.6	1.36	40.900	1.37	40.10	-0.73	2.00	±5	2025/2/26
1750	22.7	1.35	40.800	1.37	40.10	-1.46	1.75	±5	2025/2/27
1900	22.6	1.400	39.200	1.40	40.00	0.00	-2.00	±5	2025/1/29
1900	22.5	1.390	40.900	1.40	40.00	-0.71	2.25	±5	2025/1/30
1900	22.5	1.430	39.400	1.40	40.00	2.14	-1.50	±5	2025/2/3
1900	22.3	1.390	40.100	1.40	40.00	-0.71	0.25	±5	2025/2/6
1900	22.2	1.430	40.900	1.40	40.00	2.14	2.25	±5	2025/2/17
1900	22.6	1.38	40.6	1.40	40.00	-1.43	1.50	±5	2025/2/26
2000	22.8	1.430	39.300	1.40	40.00	2.14	-1.75	±5	2025/2/18
2300	22.6	1.670	40.500	1.67	39.50	0.00	2.53	±5	2025/2/12
2300	22.7	1.64	39.6	1.67	39.50	-1.80	0.25	±5	2025/2/27
2600	22.3	1.980	38.200	1.96	39.00	1.02	-2.05	±5	2025/1/27
2600	22.3	2.000	39.500	1.96	39.00	2.04	1.28	±5	2025/2/8
2600	22.5	1.96	39.2	1.96	39.00	0.00	0.51	±5	2025/2/14
2600	22.4	1.980	38.600	1.96	39.00	1.02	-1.03	±5	2025/2/16
2600	22.4	1.970	39.200	1.96	39.00	0.51	0.51	±5	2025/2/23
2600	22.6	1.950	38.300	1.96	39.00	-0.51	-1.79	±5	2025/2/24
3500	22.5	2.920	37.600	2.91	37.90	0.34	-0.79	±5	2025/1/26
3500	22.5	2.950	37.800	2.91	37.90	1.37	-0.26	±5	2025/1/27
3500	22.3	2.990	37.800	2.91	37.90	2.75	-0.26	±5	2025/1/27

3500	22.6	2.990	38.200	2.91	37.90	2.75	0.79	±5	2025/2/5
3500	22.3	2.910	37.300	2.91	37.90	0.00	-1.58	±5	2025/2/9
3500	22.5	2.95	38.3	2.91	37.90	1.37	1.06	±5	2025/2/10
3500	22.7	3.010	37.900	2.91	37.90	3.44	0.00	±5	2025/2/19
3500	22.5	2.970	38.400	2.91	37.90	2.06	1.32	±5	2025/2/20
3500	22.6	2.940	37.500	2.91	37.90	1.03	-1.06	±5	2025/2/21
3500	22.7	2.870	37.100	2.91	37.90	-1.37	-2.11	±5	2025/2/22
3500	22.6	2.960	37.700	2.91	37.90	1.72	-0.53	±5	2025/2/24
3500	22.5	2.910	37.400	2.91	37.90	0.00	-1.32	±5	2025/2/25
3500	22.5	2.9	38	2.91	37.90	-0.34	0.26	±5	2025/3/12
3500	22.3	2.94	38.3	2.91	37.90	1.03	1.06	±5	2025/3/13
3500	22.5	3.01	37.8	2.91	37.90	3.44	-0.26	±5	2025/3/16
3700	22.5	3.080	37.400	3.12	37.70	-1.28	-0.80	±5	2025/1/26
3700	22.5	3.100	37.600	3.12	37.70	-0.64	-0.27	±5	2025/1/27
3700	22.3	3.180	37.500	3.12	37.70	1.92	-0.53	±5	2025/1/27
3700	22.6	3.180	37.900	3.12	37.70	1.92	0.53	±5	2025/2/5
3700	22.3	3.090	37.000	3.12	37.70	-0.96	-1.86	±5	2025/2/9
3700	22.5	3.16	38.1	3.12	37.70	1.28	1.06	±5	2025/2/10
3700	22.7	3.200	37.600	3.12	37.70	2.56	-0.27	±5	2025/2/19
3700	22.5	3.180	38.200	3.12	37.70	1.92	1.33	±5	2025/2/20
3700	22.6	3.120	37.200	3.12	37.70	0.00	-1.33	±5	2025/2/21
3700	22.7	3.050	36.800	3.12	37.70	-2.24	-2.39	±5	2025/2/22
3700	22.6	3.150	37.400	3.12	37.70	0.96	-0.80	±5	2025/2/24
3700	22.5	3.100	37.200	3.12	37.70	-0.64	-1.33	±5	2025/2/25
3700	22.5	3.11	37.8	3.12	37.70	-0.32	0.27	±5	2025/3/12
3700	22.3	3.09	38	3.12	37.70	-0.96	0.80	±5	2025/3/13
3700	22.5	3.19	37.5	3.12	37.70	2.24	-0.53	±5	2025/3/16
3900	22.5	3.250	37.100	3.33	37.51	-2.40	-1.09	±5	2025/1/26
3900	22.5	3.280	37.300	3.33	37.51	-1.50	-0.56	±5	2025/1/27
3900	22.3	3.390	37.200	3.33	37.51	1.80	-0.83	±5	2025/1/27
3900	22.3	3.290	36.700	3.33	37.51	-1.20	-2.16	±5	2025/2/9
3900	22.5	3.37	37.9	3.33	37.51	1.20	1.04	±5	2025/2/10
3900	22.7	3.400	37.400	3.33	37.51	2.10	-0.29	±5	2025/2/19
3900	22.5	3.390	38.000	3.33	37.51	1.80	1.31	±5	2025/2/20
3900	22.6	3.330	37.000	3.33	37.51	0.00	-1.36	±5	2025/2/21
3900	22.7	3.250	36.500	3.33	37.51	-2.40	-2.69	±5	2025/2/22
3900	22.6	3.35	37.1	3.33	37.51	0.60	-1.09	±5	2025/2/24
3900	22.5	3.3	36.9	3.33	37.51	-0.90	-1.63	±5	2025/2/25
13	22.6	0.757	53.459	0.75	55.00	0.93	-2.80	±5	2025/2/26
2450	22.5	1.810	39.600	1.80	39.20	0.56	1.02	±5	2025/1/28
2450	22.5	1.850	38.600	1.80	39.20	2.78	-1.53	±5	2025/1/28
2450	22.6	1.780	38.700	1.80	39.20	-1.11	-1.28	±5	2025/2/4
2450	22.8	1.840	39.000	1.80	39.20	2.22	-0.51	±5	2025/2/6
2450	22.6	1.790	39.200	1.80	39.20	-0.56	0.00	±5	2025/2/6
2450	22.6	1.790	39.300	1.80	39.20	-0.56	0.26	±5	2025/2/15
2450	22.4	1.870	39.800	1.80	39.20	3.89	1.53	±5	2025/2/24
2450	22.5	1.860	38.800	1.80	39.20	3.33	-1.02	±5	2025/2/26
2450	22.3	1.860	39.600	1.80	39.20	3.33	1.02	±5	2025/3/6
2450	22.6	1.790	38.600	1.80	39.20	-0.56	-1.53	±5	2025/4/30
5250	22.6	4.640	36.100	4.71	35.95	-1.49	0.42	±5	2025/1/29
5250	22.7	4.730	36.000	4.71	35.95	0.42	0.14	±5	2025/2/16
5250	22.5	4.610	36.800	4.71	35.95	-2.12	2.36	±5	2025/2/17
5250	22.6	4.820	37.300	4.71	35.95	2.34	3.76	±5	2025/2/18
5250	22.4	4.700	37.000	4.71	35.95	-0.21	2.92	±5	2025/2/19
5250	22.5	4.700	36.600	4.71	35.95	-0.21	1.81	±5	2025/2/25
5250	22.4	4.590	36.100	4.71	35.95	-2.55	0.42	±5	2025/2/26

5600	22.6	5.000	35.600	5.07	35.50	-1.38	0.28	±5	2025/1/29
5600	22.7	5.130	35.400	5.07	35.50	1.18	-0.28	±5	2025/2/16
5600	22.5	4.960	36.300	5.07	35.50	-2.17	2.25	±5	2025/2/17
5600	22.6	5.180	36.700	5.07	35.50	2.17	3.38	±5	2025/2/18
5600	22.4	5.080	36.500	5.07	35.50	0.20	2.82	±5	2025/2/19
5600	22.4	4.950	35.600	5.07	35.50	-2.37	0.28	±5	2025/2/26
5800	22.6	5.220	35.400	5.27	35.30	-0.95	0.28	±5	2025/1/29
5800	22.7	5.380	35.000	5.27	35.30	2.09	-0.85	±5	2025/2/16
5800	22.5	5.150	36.100	5.27	35.30	-2.28	2.27	±5	2025/2/17
5800	22.6	5.380	36.500	5.27	35.30	2.09	3.40	±5	2025/2/18
5800	22.5	5.290	36.300	5.27	35.30	0.38	2.83	±5	2025/2/19
5800	22.5	5.270	35.800	5.27	35.30	0.00	1.42	±5	2025/2/25
5800	22.4	5.160	35.300	5.27	35.30	-2.09	0.00	±5	2025/2/26
6500	22.6	6.130	34.700	6.07	34.50	0.99	0.58	±5	2025/2/11
6500	22.6	6.180	34.800	6.07	34.50	1.81	0.87	±5	2025/2/13
6500	22.2	6.080	34.700	6.07	34.50	0.16	0.58	±5	2025/2/13
6500	22.6	6.150	34.500	6.07	34.50	1.32	0.00	±5	2025/2/17
6500	22.3	6.100	34.900	6.07	34.50	0.49	1.16	±5	2025/3/3
6500	22.5	6.110	35.000	6.07	34.50	0.66	1.45	±5	2025/3/5
6500	22.7	6.110	35.300	6.07	34.50	0.66	2.32	±5	2025/3/12
6500	22.5	5.960	34.400	6.07	34.50	-1.81	-0.29	±5	2025/4/28
6500	22.5	6.170	35.000	6.07	34.50	1.65	1.45	±5	2025/4/28

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 (%)
SAR-21	2025/1/22	750	250	D750V3-1107	EX3DV4 - SN7694	DAE4 Sn1697	2.070	8.540	8.28	-3.04	1.390	5.570	5.56	-0.18
SAR-21	2025/1/23	750	250	D750V3-1107	EX3DV4 - SN7694	DAE4 Sn1697	2.100	8.540	8.4	-1.64	1.420	5.570	5.68	1.97
SAR-21	2025/1/24	750	250	D750V3-1107	EX3DV4 - SN7694	DAE4 Sn1697	2.100	8.540	8.4	-1.64	1.420	5.570	5.68	1.97
SAR-18	2025/2/2	750	250	D750V3-1107	EX3DV4 - SN7625	DAE4ip Sn1800	2.260	8.540	9.04	5.85	1.520	5.570	6.08	9.16
SAR-18	2025/2/10	750	250	D750V3-1107	EX3DV4 - SN7625	DAE4ip Sn1800	2.170	8.540	8.68	1.64	1.460	5.570	5.84	4.85
SAR-18	2025/2/14	750	250	D750V3-1107	EX3DV4 - SN7625	DAE4ip Sn1800	2.060	8.540	8.24	-3.51	1.390	5.570	5.56	-0.18
SAR-18	2025/2/18	750	250	D750V3-1107	EX3DV4 - SN7625	DAE4ip Sn1800	2.260	8.540	9.04	5.85	1.520	5.570	6.08	9.16
SAR-17	2025/3/26	750	250	D750V3-1107	EX3DV4 - SN7785	DAE4 Sn1694	2.110	8.540	8.44	-1.17	1.430	5.570	5.72	2.69
SAR-21	2025/1/21	835	250	D835V2-4d167	EX3DV4 - SN7694	DAE4 Sn1697	2.280	9.800	9.12	-6.94	1.530	6.380	6.12	-4.08
SAR-21	2025/1/25	835	250	D835V2-4d167	EX3DV4 - SN7694	DAE4 Sn1697	2.380	9.800	9.52	-2.86	1.590	6.380	6.36	-0.31
SAR-18	2025/1/28	835	250	D835V2-4d167	EX3DV4 - SN7625	DAE4ip Sn1800	2.610	9.800	10.44	6.53	1.750	6.380	7	9.72
SAR-18	2025/2/1	835	250	D835V2-4d167	EX3DV4 - SN7625	DAE4ip Sn1800	2.440	9.800	9.76	-0.41	1.630	6.380	6.52	2.19
SAR-18	2025/2/2	835	250	D835V2-4d167	EX3DV4 - SN7625	DAE4ip Sn1800	2.350	9.800	9.4	-4.08	1.570	6.380	6.28	-1.57
SAR-18	2025/2/10	835	250	D835V2-4d167	EX3DV4 - SN7625	DAE4ip Sn1800	2.560	9.800	10.24	4.49	1.720	6.380	6.88	7.84
SAR-18	2025/2/15	835	250	D835V2-4d167	EX3DV4 - SN7625	DAE4ip Sn1800	2.270	9.800	9.08	-7.35	1.520	6.380	6.08	-4.70
SAR-18	2025/2/18	835	250	D835V2-4d167	EX3DV4 - SN7625	DAE4ip Sn1800	2.480	9.800	9.92	1.22	1.660	6.380	6.64	4.08
SAR-18	2025/3/5	835	250	D835V2-4d167	EX3DV4 - SN7625	DAE4ip Sn1800	2.540	9.800	10.16	3.67	1.700	6.380	6.8	6.58
SAR-17	2025/2/18	1640	50	D1640V2-346	EX3DV4 - SN7785	DAE4 Sn1694	1.640	34.600	32.8	-5.20	0.908	18.600	18.16	-2.37
SAR-18	2025/1/31	1750	50	D1750V2-1120	EX3DV4 - SN7625	DAE4ip Sn1800	1.870	36.400	37.4	2.75	1.000	19.100	20	4.71
SAR-18	2025/2/4	1750	50	D1750V2-1120	EX3DV4 - SN7625	DAE4ip Sn1800	1.870	36.400	37.4	2.75	0.999	19.100	19.98	4.61
SAR-18	2025/2/7	1750	50	D1750V2-1120	EX3DV4 - SN7625	DAE4ip Sn1800	1.780	36.400	35.6	-2.20	0.947	19.100	18.94	-0.84
SAR-18	2025/2/13	1750	50	D1750V2-1120	EX3DV4 - SN7625	DAE4ip Sn1800	1.880	36.400	37.6	3.30	1.010	19.100	20.2	5.76
SAR-18	2025/2/26	1750	50	D1750V2-1120	EX3DV4 - SN7625	DAE4ip Sn1800	1.780	36.400	35.6	-2.20	0.952	19.100	19.04	-0.31
SAR-18	2025/2/27	1750	50	D1750V2-1120	EX3DV4 - SN7625	DAE4ip Sn1800	1.760	36.400	35.2	-3.30	0.943	19.100	18.86	-1.26
SAR-18	2025/1/29	1900	50	D1900V2-5d093	EX3DV4 - SN7625	DAE4ip Sn1800	1.970	39.900	39.4	-1.25	1.030	20.700	20.6	-0.48
SAR-18	2025/1/30	1900	50	D1900V2-5d093	EX3DV4 - SN7625	DAE4ip Sn1800	1.990	39.900	39.8	-0.25	1.030	20.700	20.6	-0.48
SAR-18	2025/2/3	1900	50	D1900V2-5d093	EX3DV4 - SN7625	DAE4ip Sn1800	2.030	39.900	40.6	1.75	1.050	20.700	21	1.45
SAR-18	2025/2/6	1900	50	D1900V2-5d185	EX3DV4 - SN7625	DAE4ip Sn1800	1.940	39.000	38.8	-0.51	1.010	20.400	20.2	-0.98
SAR-18	2025/2/17	1900	50	D1900V2-5d185	EX3DV4 - SN7625	DAE4ip Sn1800	1.980	39.000	39.6	1.54	1.030	20.400	20.6	0.98
SAR-18	2025/2/26	1900	50	D1900V2-5d093	EX3DV4 - SN7625	DAE4ip Sn1800	1.920	39.900	38.4	-3.76	1.000	20.700	20	-3.38
SAR-17	2025/2/18	2000	50	D2000V2-1010	EX3DV4 - SN7785	DAE4 Sn1694	1.890	40.200	37.8	-5.97	0.986	20.900	19.72	-5.65
SAR-18	2025/2/12	2300	50	D2300V2-1088	EX3DV4 - SN7625	DAE4ip Sn1800	2.520	48.200	50.4	4.56	1.200	23.300	24	3.00
SAR-18	2025/2/27	2300	50	D2300V2-1088	EX3DV4 - SN7625	DAE4ip Sn1800	2.480	48.200	49.6	2.90	1.180	23.300	23.6	1.29
SAR-18	2025/1/27	2600	50	D2600V2-1089	EX3DV4 - SN7625	DAE4ip Sn1800	2.650	55.400	53	-4.33	1.200	24.600	24	-2.44
SAR-18	2025/2/8	2600	50	D2600V2-1089	EX3DV4 - SN7625	DAE4ip Sn1800	2.710	55.400	54.2	-2.17	1.210	24.600	24.2	-1.63
SAR-21	2025/2/14	2600	50	D2600V2-1008	EX3DV4 - SN7694	DAE4 Sn1697	2.610	55.700	52.2	-6.28	1.180	25.300	23.6	-6.72
SAR-18	2025/2/16	2600	50	D2600V2-1008	EX3DV4 - SN7625	DAE4ip Sn1800	2.710	55.700	54.2	-2.69	1.220	25.300	24.4	-3.56
SAR-18	2025/2/23	2600	50	D2600V2-1008	EX3DV4 - SN7625	DAE4ip Sn1800	2.670	55.700	53.4	-4.13	1.200	25.300	24	-5.14
SAR-18	2025/2/24	2600	50	D2600V2-1008	EX3DV4 - SN7625	DAE4ip Sn1800	2.600	55.700	52	-6.64	1.170	25.300	23.4	-7.51
SAR-21	2025/1/26	3500	50	D3500V2-1036	EX3DV4 - SN7694	DAE4 Sn1697	3.140	67.400	62.8	-6.82	1.210	25.100	24.2	-3.59
SAR-21	2025/1/27	3500	50	D3500V2-1036	EX3DV4 - SN7694	DAE4 Sn1697	3.150	67.400	63	-6.53	1.210	25.100	24.2	-3.59
SAR-18	2025/1/27	3500	50	D3500V2-1036	EX3DV4 - SN7625	DAE4ip Sn1800	3.240	67.400	64.8	-3.86	1.230	25.100	24.6	-1.99
SAR-18	2025/2/5	3500	50	D3500V2-1036	EX3DV4 - SN7625	DAE4ip Sn1800	3.460	67.400	69.2	2.67	1.320	25.100	26.4	5.18
SAR-18	2025/2/9	3500	50	D3500V2-1036	EX3DV4 - SN7625	DAE4ip Sn1800	3.300	67.400	66	-2.08	1.250	25.100	25	-0.40
SAR-21	2025/2/10	3500	50	D3500V2-1036	EX3DV4 - SN7694	DAE4 Sn1697	3.130	67.400	62.6	-7.12	1.200	25.100	24	-4.38
SAR-18	2025/2/19	3500	50	D3500V2-1036	EX3DV4 - SN7625	DAE4ip Sn1800	3.430	67.400	68.6	1.78	1.310	25.100	26.2	4.38
SAR-18	2025/2/20	3500	50	D3500V2-1036	EX3DV4 - SN7625	DAE4ip Sn1800	3.380	67.400	67.6	0.30	1.290	25.100	25.8	2.79
SAR-18	2025/2/21	3500	50	D3500V2-1036	EX3DV4 - SN7625	DAE4ip Sn1800	3.370	67.400	67.4	0.00	1.280	25.100	25.6	1.99
SAR-18	2025/2/22	3500	50	D3500V2-1036	EX3DV4 - SN7625	DAE4ip Sn1800	3.170	67.400	63.4	-5.93	1.210	25.100	24.2	-3.59

SAR-18	2025/2/24	3500	50	D3500V2-1014	EX3DV4 - SN7625	DAE4ip Sn1800	3.290	65.700	65.8	0.15	1.250	24.900	25	0.40
SAR-18	2025/2/25	3500	50	D3500V2-1014	EX3DV4 - SN7625	DAE4ip Sn1800	3.240	65.700	64.8	-1.37	1.230	24.900	24.6	-1.20
SAR-21	2025/3/12	3500	50	D3500V2-1014	EX3DV4 - SN7694	DAE4 Sn1697	3.140	65.700	62.8	-4.41	1.230	24.900	24.6	-1.20
SAR-21	2025/3/13	3500	50	D3500V2-1014	EX3DV4 - SN7694	DAE4 Sn1697	3.130	65.700	62.6	-4.72	1.230	24.900	24.6	-1.20
SAR-17	2025/3/16	3500	50	D3500V2-1014	EX3DV4 - SN7785	DAE4 Sn1694	3.450	65.700	69	5.02	1.360	24.900	27.2	9.24
SAR-21	2025/1/26	3700	50	D3700V2-1022	EX3DV4 - SN7694	DAE4 Sn1697	3.150	68.100	63	-7.49	1.190	25.200	23.8	-5.56
SAR-21	2025/1/27	3700	50	D3700V2-1022	EX3DV4 - SN7694	DAE4 Sn1697	3.180	68.100	63.6	-6.61	1.200	25.200	24	-4.76
SAR-18	2025/1/27	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.280	68.100	65.6	-3.67	1.220	25.200	24.4	-3.17
SAR-18	2025/2/5	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.470	68.100	69.4	1.91	1.290	25.200	25.8	2.38
SAR-18	2025/2/9	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.350	68.100	67	-1.62	1.240	25.200	24.8	-1.59
SAR-21	2025/2/10	3700	50	D3700V2-1022	EX3DV4 - SN7694	DAE4 Sn1697	3.210	68.100	64.2	-5.73	1.210	25.200	24.2	-3.97
SAR-18	2025/2/19	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.420	68.100	68.4	0.44	1.270	25.200	25.4	0.79
SAR-18	2025/2/20	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.410	68.100	68.2	0.15	1.270	25.200	25.4	0.79
SAR-18	2025/2/21	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.370	68.100	67.4	-1.03	1.260	25.200	25.2	0.00
SAR-18	2025/2/22	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.310	68.100	66.2	-2.79	1.230	25.200	24.6	-2.38
SAR-18	2025/2/24	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.410	68.100	68.2	0.15	1.260	25.200	25.2	0.00
SAR-18	2025/2/25	3700	50	D3700V2-1022	EX3DV4 - SN7625	DAE4ip Sn1800	3.360	68.100	67.2	-1.32	1.240	25.200	24.8	-1.59
SAR-21	2025/3/12	3700	50	D3700V2-1006	EX3DV4 - SN7694	DAE4 Sn1697	3.250	65.600	65	-0.91	1.240	23.700	24.8	4.64
SAR-21	2025/3/13	3700	50	D3700V2-1006	EX3DV4 - SN7694	DAE4 Sn1697	3.220	65.600	64.4	-1.83	1.220	23.700	24.4	2.95
SAR-17	2025/3/16	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1694	3.280	65.600	65.6	0.00	1.230	23.700	24.6	3.80
SAR-21	2025/1/26	3900	50	D3900V2-1092	EX3DV4 - SN7694	DAE4 Sn1697	3.020	67.000	60.4	-9.85	1.080	23.200	21.6	-6.90
SAR-21	2025/1/27	3900	50	D3900V2-1092	EX3DV4 - SN7694	DAE4 Sn1697	3.030	67.000	60.6	-9.55	1.080	23.200	21.6	-6.90
SAR-18	2025/1/27	3900	50	D3900V2-1092	EX3DV4 - SN7625	DAE4ip Sn1800	3.220	67.000	64.4	-3.88	1.130	23.200	22.6	-2.59
SAR-18	2025/2/9	3900	50	D3900V2-1092	EX3DV4 - SN7625	DAE4ip Sn1800	3.180	67.000	63.6	-5.07	1.120	23.200	22.4	-3.45
SAR-21	2025/2/10	3900	50	D3900V2-1092	EX3DV4 - SN7694	DAE4 Sn1697	3.120	67.000	62.4	-6.87	1.110	23.200	22.2	-4.31
SAR-18	2025/2/19	3900	50	D3900V2-1092	EX3DV4 - SN7625	DAE4ip Sn1800	3.450	67.000	69	2.99	1.220	23.200	24.4	5.17
SAR-18	2025/2/20	3900	50	D3900V2-1092	EX3DV4 - SN7625	DAE4ip Sn1800	3.360	67.000	67.2	0.30	1.190	23.200	23.8	2.59
SAR-18	2025/2/21	3900	50	D3900V2-1092	EX3DV4 - SN7625	DAE4ip Sn1800	3.360	67.000	67.2	0.30	1.170	23.200	23.4	0.86
SAR-18	2025/2/22	3900	50	D3900V2-1017	EX3DV4 - SN7625	DAE4ip Sn1800	3.210	68.700	64.2	-6.55	1.130	23.900	22.6	-5.44
SAR-18	2025/2/24	3900	50	D3900V2-1092	EX3DV4 - SN7625	DAE4ip Sn1800	3.240	67.000	64.8	-3.28	1.140	23.200	22.8	-1.72
SAR-18	2025/2/25	3900	50	D3900V2-1092	EX3DV4 - SN7625	DAE4ip Sn1800	3.190	67.000	63.8	-4.78	1.130	23.200	22.6	-2.59
SAR-11	2025/2/26	13	1000	CLA13-1011	EX3DV4 - SN3931	DAE4 Sn703	0.501	0.544	0.501	-7.22	0.312	0.340	0.312	-8.24
SAR-21	2025/1/28	2450	50	D2450V2-806	EX3DV4 - SN7694	DAE4 Sn1697	2.410	52.700	48.2	-8.54	1.140	24.400	22.8	-6.56
SAR-17	2025/1/28	2450	50	D2450V2-929	EX3DV4 - SN7590	DAE4 Sn1776	2.430	52.400	48.6	-7.25	1.140	24.700	22.8	-7.69
SAR-16	2025/2/4	2450	50	D2450V2-929	EX3DV4 - SN3728	DAE4 Sn1696	2.700	52.400	54	3.05	1.240	24.700	24.8	0.40
SAR-17	2025/2/6	2450	50	D2450V2-929	EX3DV4 - SN7590	DAE4 Sn1399	2.520	52.400	50.4	-3.82	1.180	24.700	23.6	-4.45
SAR-17	2025/2/6	2450	50	D2450V2-929	EX3DV4 - SN7590	DAE4 Sn1399	2.540	52.400	50.8	-3.05	1.200	24.700	24	-2.83
SAR-17	2025/2/15	2450	50	D2450V2-929	EX3DV4 - SN7590	DAE4 Sn1399	2.450	52.400	49	-6.49	1.160	24.700	23.2	-6.07
SAR-21	2025/2/24	2450	50	D2450V2-929	EX3DV4 - SN7694	DAE4 Sn1697	2.390	52.400	47.8	-8.78	1.120	24.700	22.4	-9.31
SAR-20	2025/2/26	2450	50	D2450V2-929	EX3DV4 - SN7785	DAE4 Sn1694	2.550	52.400	51	-2.67	1.230	24.700	24.6	-0.40
SAR-20	2025/3/6	2450	50	D2450V2-929	EX3DV4 - SN7785	DAE4 Sn1694	2.560	52.400	51.2	-2.29	1.230	24.700	24.6	-0.40
SAR-19	2025/4/30	2450	50	D2450V2-929	EX3DV4 - SN7694	DAE4 Sn1697	2.450	52.400	49	-6.49	1.190	24.700	23.8	-3.64
SAR-17	2025/1/29	5250	100	D5GHzV2-1006	EX3DV4 - SN7590	DAE4 Sn1776	7.390	80.600	73.9	-8.31	2.090	22.800	20.9	-8.33
SAR-17	2025/2/16	5250	50	D5GHzV2-1006	EX3DV4 - SN7590	DAE4 Sn1399	4.250	80.600	85	5.46	1.200	22.800	24	5.26
SAR-21	2025/2/17	5250	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	4.230	77.500	84.6	9.16	1.200	22.200	24	8.11
SAR-21	2025/2/18	5250	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	3.590	77.500	71.8	-7.35	1.020	22.200	20.4	-8.11
SAR-21	2025/2/19	5250	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	3.570	77.500	71.4	-7.87	1.010	22.200	20.2	-9.01
SAR-20	2025/2/25	5250	50	D5GHzV2-1006	EX3DV4 - SN7785	DAE4 Sn1694	3.870	80.600	77.4	-3.97	1.130	22.800	22.6	-0.88
SAR-21	2025/2/26	5250	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	4.110	77.500	82.2	6.06	1.080	22.200	21.6	-2.70
SAR-17	2025/1/29	5600	100	D5GHzV2-1006	EX3DV4 - SN7590	DAE4 Sn1776	8.270	83.400	82.7	-0.84	2.330	23.700	23.3	-1.69
SAR-17	2025/2/16	5600	50	D5GHzV2-1006	EX3DV4 - SN7590	DAE4 Sn1399	3.770	83.400	75.4	-9.59	1.080	23.700	21.6	-8.86
SAR-21	2025/2/17	5600	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	4.400	81.700	88	7.71	1.230	23.500	24.6	4.68
SAR-21	2025/2/18	5600	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	3.750	81.700	75	-8.20	1.060	23.500	21.2	-9.79
SAR-21	2025/2/19	5600	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	3.750	81.700	75	-8.20	1.070	23.500	21.4	-8.94
SAR-21	2025/2/26	5600	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	3.730	81.700	74.6	-8.69	1.130	23.500	22.6	-3.83
SAR-17	2025/1/29	5800	100	D5GHzV2-1006	EX3DV4 - SN7590	DAE4 Sn1776	7.340	80.600	73.4	-8.93	2.050	22.700	20.5	-9.69

SAR-17	2025/2/16	5800	50	D5GHzV2-1006	EX3DV4 - SN7590	DAE4 Sn1399	3.920	80.600	78.4	-2.73	1.100	22.700	22	-3.08
SAR-21	2025/2/17	5800	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	3.930	78.600	78.6	0.00	1.110	22.500	22.2	-1.33
SAR-21	2025/2/18	5800	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	3.890	78.600	77.8	-1.02	1.100	22.500	22	-2.22
SAR-21	2025/2/19	5800	50	D5GHzV2-1006	EX3DV4 - SN7694	DAE4 Sn1697	3.710	80.600	74.2	-7.94	1.040	22.700	20.8	-8.37
SAR-20	2025/2/25	5800	50	D5GHzV2-1006	EX3DV4 - SN7785	DAE4 Sn1694	3.770	80.600	75.4	-6.45	1.080	22.700	21.6	-4.85
SAR-21	2025/2/26	5800	50	D5GHzV2-1128	EX3DV4 - SN7694	DAE4 Sn1697	3.590	78.600	71.8	-8.65	1.040	22.500	20.8	-7.56
SAR-17	2025/2/11	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7590	DAE4 Sn1399	30.300	293.000	303	3.41	5.570	53.800	55.7	3.53
SAR-17	2025/2/13	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7590	DAE4 Sn1399	30.600	293.000	306	4.44	5.630	53.800	56.3	4.65
SAR-21	2025/2/13	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7694	DAE4 Sn1697	30.900	293.000	309	5.46	5.680	53.800	56.8	5.58
SAR-17	2025/2/17	6500	100	D6.5GHzV2-1003	EX3DV4 - SN7590	DAE4 Sn1399	29.700	293.000	297	1.37	5.440	53.800	54.4	1.12
SAR-21	2025/3/3	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7694	DAE4 Sn1697	29.600	297.000	296	-0.34	5.460	54.600	54.6	0.00
SAR-20	2025/3/5	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7785	DAE4 Sn1694	30.600	297.000	306	3.03	5.910	54.600	59.1	8.24
SAR-19	2025/3/12	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7695	DAE4 Sn1707	28.200	297.000	282	-5.05	5.240	54.600	52.4	-4.03
SAR-18	2025/4/28	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7625	DAE4ip Sn1800	27.500	297.000	275	-7.41	5.010	54.600	50.1	-8.24
SAR-19	2025/4/28	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7694	DAE4 Sn1697	31.500	297.000	315	6.06	5.860	54.600	58.6	7.33

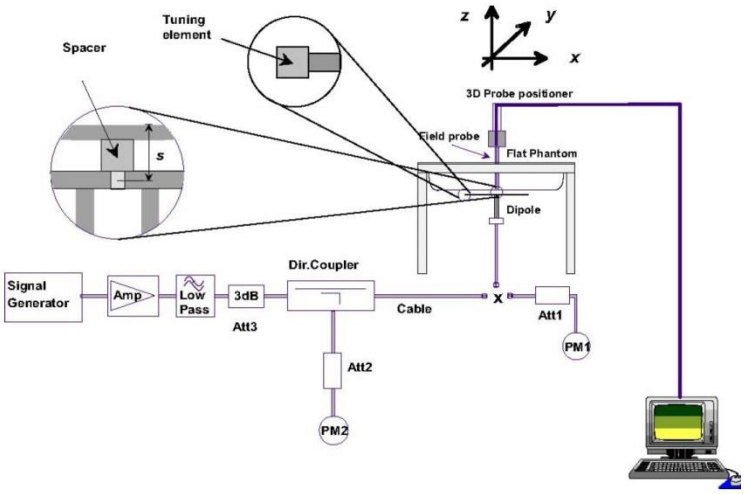


Fig 8.3.1 System Performance Check Setup

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
SAR20	10G	10GHz_1052	9461	1424	10mm	51.6	57.2	-0.45	2025/1/17
SAR20	10G	10GHz_1052	9461	703	10mm	53.2	57.2	-0.31	2025/3/5
SAR20	10G	10GHz_1052	9461	1794	10mm	53.8	57.2	-0.27	2025/4/28

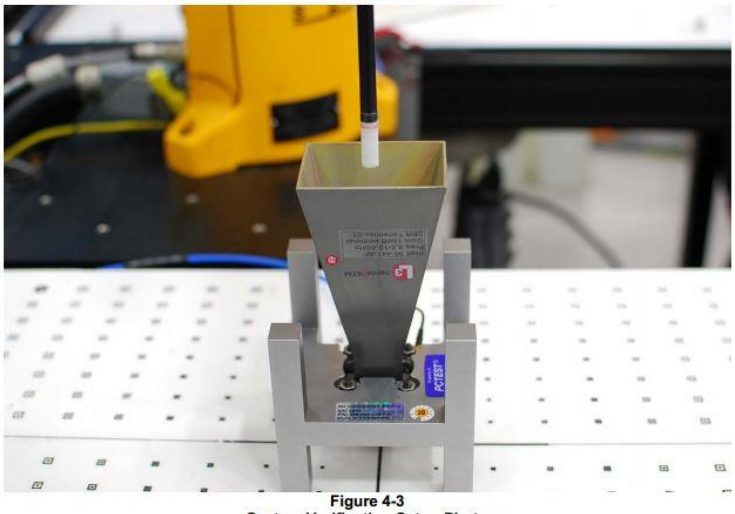


Figure 4-3
System Verification Setup Photo

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.

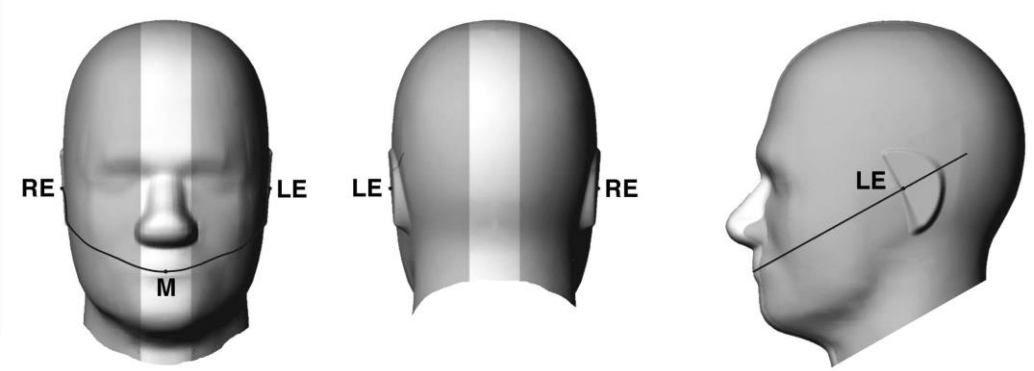


Fig 9.1.1 Front, back, and side views of SAM twin phantom

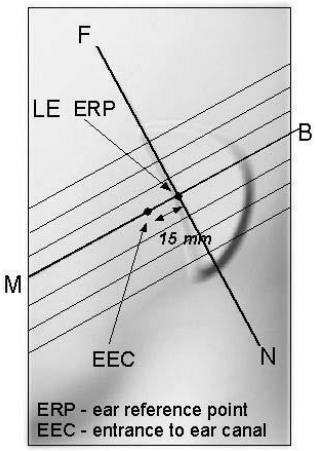


Fig 9.1.2 Close-up side view of phantom showing the ear region.

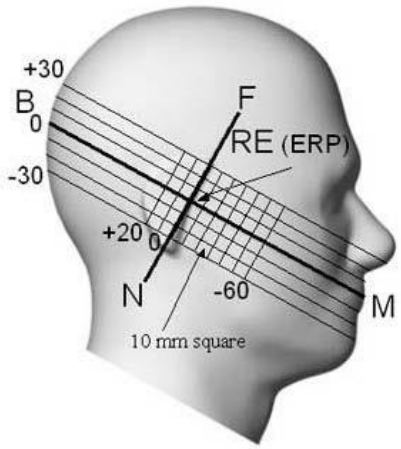


Fig 9.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

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.

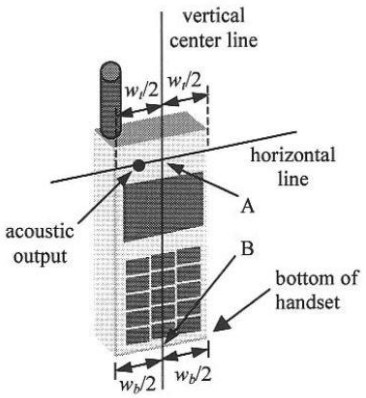


Fig 9.2.1 Handset vertical and horizontal reference lines—"fixed case

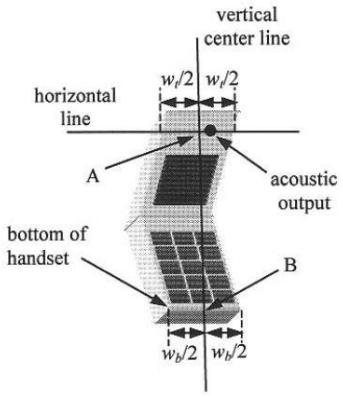


Fig 9.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

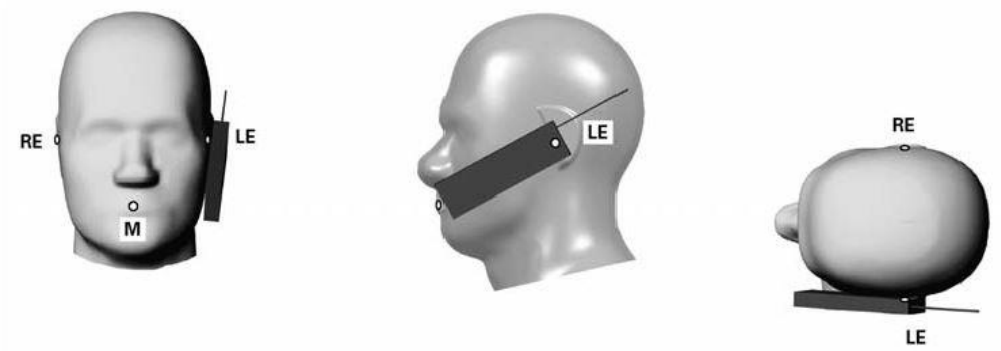


Fig 9.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

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

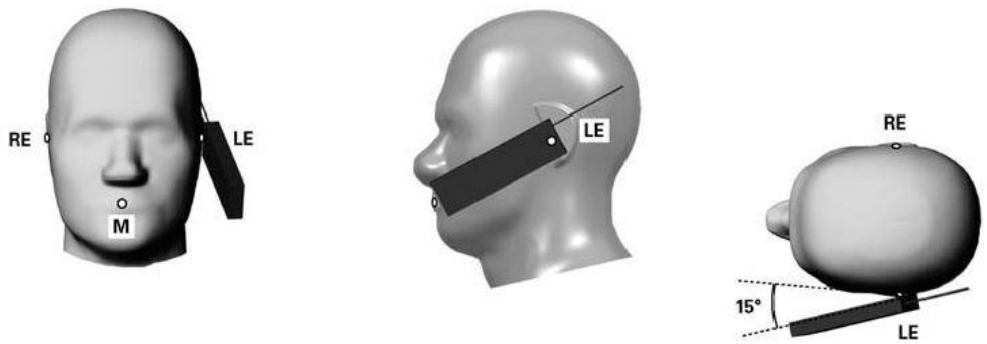


Fig 9.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

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.

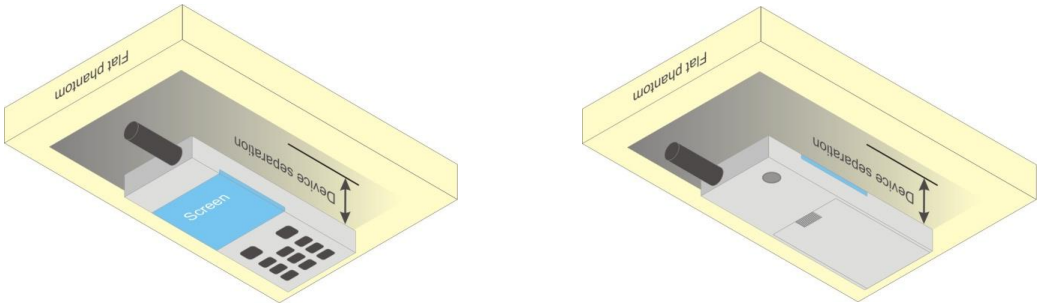


Fig 9.4 Body Worn Position

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. DL/UL carrier aggregation

<LTE DL Carrier Aggregation>

General Note:

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

<LTE UL carrier aggregation>

General Note:

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

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

Ant 0_Index 1/2/3/4/5/6								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	23.1	24.50
20574	20475	QPSK	1	0	1	49	23.13	24.50
20600	20501	QPSK	1	0	1	49	23.15	24.50

Ant 1_Index 1/4/5/6								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.68	24.00
20574	20475	QPSK	1	0	1	49	22.76	24.00
20600	20501	QPSK	1	0	1	49	22.72	24.00

Ant 1_Index 2								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.28	23.60
20574	20475	QPSK	1	0	1	49	22.36	23.60
20600	20501	QPSK	1	0	1	49	22.32	23.60

Ant 1_Index 3								
CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.28	22.60
20574	20475	QPSK	1	0	1	49	22.36	22.60
20600	20501	QPSK	1	0	1	49	22.32	22.60

Ant 2_Index 1/2/3								
CA_7C								
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	22.98	24.50
21100	20902	QPSK	1	0	1	99	22.93	24.50
21350	21152	QPSK	1	0	1	99	23.07	24.50

Ant 2_Index 4/6								
CA_7C								
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	20.11	20.90
21100	20902	QPSK	1	0	1	99	20.04	20.90
21350	21152	QPSK	1	0	1	99	20.12	20.90

Ant 2_Index 5								
CA_7C								
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	20.11	21.60
21100	20902	QPSK	1	0	1	99	20.04	21.60
21350	21152	QPSK	1	0	1	99	20.12	21.60

Ant 0_Index 1/2/3								
CA_7C								
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	22.69	24.50
21100	20902	QPSK	1	0	1	99	22.63	24.50
21350	21152	QPSK	1	0	1	99	22.72	24.50

Ant 0_Index 4								
CA_7C								
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	19.17	20.60
21100	20902	QPSK	1	0	1	99	19.12	20.60
21350	21152	QPSK	1	0	1	99	19.23	20.60

Ant 0_Index 5								
CA_7C								
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	20.38	22.20
21100	20902	QPSK	1	0	1	99	20.33	22.20
21350	21152	QPSK	1	0	1	99	20.46	22.20

Ant 0_Index 6								
CA_7C								
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	20.38	21.50
21100	20902	QPSK	1	0	1	99	20.33	21.50
21350	21152	QPSK	1	0	1	99	20.46	21.50

Ant 2_Index 1/2/3								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.53	24.50
132322	132229	QPSK	1	0	1	24	22.52	24.50
132597	132504	QPSK	1	0	1	24	22.52	24.50

Ant 2_Index 4/6								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.6	22.00
132322	132229	QPSK	1	0	1	24	20.58	22.00
132597	132504	QPSK	1	0	1	24	20.61	22.00

Ant 2_Index 5								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.6	22.70
132322	132229	QPSK	1	0	1	24	20.58	22.70
132597	132504	QPSK	1	0	1	24	20.61	22.70

Ant 0_Index 1/2/3								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.81	24.50
132322	132229	QPSK	1	0	1	24	22.62	24.50
132597	132504	QPSK	1	0	1	24	22.61	24.50

Ant 0_Index 4								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	17.15	18.20
132322	132229	QPSK	1	0	1	24	17.1	18.20
132597	132504	QPSK	1	0	1	24	17.13	18.20

Ant 0_Index 5								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.22	19.80
132322	132229	QPSK	1	0	1	24	18.21	19.80
132597	132504	QPSK	1	0	1	24	18.13	19.80

Ant 0_Index 6								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.22	19.10
132322	132229	QPSK	1	0	1	24	18.21	19.10
132597	132504	QPSK	1	0	1	24	18.13	19.10

Ant 2_Index 1/2/3								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.59	24.50
132322	132124	QPSK	1	0	1	99	22.54	24.50
132572	132374	QPSK	1	0	1	99	22.55	24.50

Ant 2_Index 4/6								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.66	22.00
132322	132124	QPSK	1	0	1	99	20.65	22.00
132572	132374	QPSK	1	0	1	99	20.67	22.00

Ant 2_Index 5								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.66	22.70
132322	132124	QPSK	1	0	1	99	20.65	22.70
132572	132374	QPSK	1	0	1	99	20.67	22.70

Ant 0_Index 1/2/3								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.88	24.50
132322	132124	QPSK	1	0	1	99	22.63	24.50
132572	132374	QPSK	1	0	1	99	22.6	24.50

Ant 0_Index 4								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	17.16	18.20
132322	132124	QPSK	1	0	1	99	17.11	18.20
132572	132374	QPSK	1	0	1	99	17.1	18.20

Ant 0_Index 5								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.34	19.80
132322	132124	QPSK	1	0	1	99	18.22	19.80
132572	132374	QPSK	1	0	1	99	18.19	19.80

Ant 0_Index 6								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.34	19.10
132322	132124	QPSK	1	0	1	99	18.22	19.10
132572	132374	QPSK	1	0	1	99	18.19	19.10

Ant 2_Index 1/2/3								
CA_38C								
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	23	24.50
38000	37802	QPSK	1	0	1	99	23.02	24.50
38150	37952	QPSK	1	0	1	99	22.95	24.50

Ant 2_Index 4/6								
CA_38C								
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	23	23.80
38000	37802	QPSK	1	0	1	99	23.02	23.80
38150	37952	QPSK	1	0	1	99	22.95	23.80

Ant 2_Index 5								
CA_38C								
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	23	24.50
38000	37802	QPSK	1	0	1	99	23.02	24.50
38150	37952	QPSK	1	0	1	99	22.95	24.50

Ant 0_Index 1/2/3/5								
CA_38C								
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	22.53	24.50
38000	37802	QPSK	1	0	1	99	22.56	24.50
38150	37952	QPSK	1	0	1	99	22.53	24.50

Ant 0_Index 4								
CA_38C								
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	21.98	23.10
38000	37802	QPSK	1	0	1	99	22.15	23.10
38150	37952	QPSK	1	0	1	99	22.09	23.10

Ant 0_Index 6								
CA_38C								
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	22.53	24.10
38000	37802	QPSK	1	0	1	99	22.56	24.10
38150	37952	QPSK	1	0	1	99	22.53	24.10

Ant 2_Index 1/2/3								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	22.73	24.50
40185	39987	QPSK	1	0	0	0	22.88	24.50
40620	40422	QPSK	1	0	0	0	22.87	24.50
41055	40857	QPSK	1	0	0	0	22.86	24.50
41490	41292	QPSK	1	0	0	0	22.98	24.50

Ant 2_Index 4/6								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	22.73	23.80
40185	39987	QPSK	1	0	0	0	22.88	23.80
40620	40422	QPSK	1	0	0	0	22.87	23.80
41055	40857	QPSK	1	0	0	0	22.86	23.80
41490	41292	QPSK	1	0	0	0	22.98	23.80

Ant 2_Index 5								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	22.73	24.50
40185	39987	QPSK	1	0	0	0	22.88	24.50
40620	40422	QPSK	1	0	0	0	22.87	24.50
41055	40857	QPSK	1	0	0	0	22.86	24.50
41490	41292	QPSK	1	0	0	0	22.98	24.50

Ant 0_Index 1/2/3/5								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	22.58	24.50
40185	39987	QPSK	1	0	0	0	22.75	24.50
40620	40422	QPSK	1	0	0	0	22.73	24.50
41055	40857	QPSK	1	0	0	0	22.72	24.50
41490	41292	QPSK	1	0	0	0	22.73	24.50

Ant 0_Index 4								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	21.98	23.10
40185	39987	QPSK	1	0	0	0	22.21	23.10
40620	40422	QPSK	1	0	0	0	22.15	23.10
41055	40857	QPSK	1	0	0	0	22.20	23.10
41490	41292	QPSK	1	0	0	0	22.18	23.10

Ant 0_Index 6								
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	22.58	24.10
40185	39987	QPSK	1	0	0	0	22.75	24.10
40620	40422	QPSK	1	0	0	0	22.73	24.10
41055	40857	QPSK	1	0	0	0	22.72	24.10
41490	41292	QPSK	1	0	0	0	22.73	24.10

13. RF Exposure position consideration

Distance of the Antenna to the EUT surface/edge						
Antennas	Front	Back	Top Edge	Bottom Edge	Right Edge	Left Edge
WWAN Ant 0	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 1	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
WWAN Ant 2	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 5	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
WWAN Ant 6	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 7	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm	≤ 25mm
WLAN/BT Ant 3 / 4 / 3+4	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
Thread Ant 3	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm
NFC	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	≤ 25mm

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

14. 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. For NTN, 5GHz and 6GHz WLAN product specific SAR is necessary too, due to an overall diagonal dimension is > 16cm.
6. 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 GSM1900, UMTS B2/B4, LTE B7/25/41/66 and n7/25 Bottom edge is required perform product specific condition.

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 4/5/17/38 SAR test was covered by Band 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.
   g. For NR FDD was establishing connections via a base station simulator to use for output power measurement and SAR testing.

Non-terrestrial Network Note:

1. Due to test setup limitations, SAR testing for Non-terrestrial Network was performed using Factory Test Mode software to establish the connection.
2. The device support NTN NB-Iot and only support, the RF exposure was selected highest SC output power perform.
3. The NTN NB-Iot only support message transmission, therefore, the RF exposure only consider body-worn and phablet condition.

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 for hotspot and body-worn condition when the WLAN5.3GHz band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for WLAN5.2GHz band.
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. 3+4(3) represents the test in 2TX operation, while the SAR or power data is associated with antenna 3.
9. 3+4(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 evaluate incident PD using the mmw near-field probe and total-field/power-density reconstruction method.
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
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, therefore Standalone 10-g extremity SAR testing for NFC will be performed with active mode, with 100% duty cycle at 0mm separation distance.
2. NFC SAR is measured for all surface edges of the device with a transmitting antenna located within 25 mm from that surface or edge.

14.1 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	2/3	189	836.4	29.35	30.50	1.303	-0.03	0.281	0.366
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Tilted	0mm	2/3	189	836.4	29.35	30.50	1.303	0.01	0.125	0.163
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2/3	189	836.4	29.35	30.50	1.303	-0.15	0.355	0.463
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Tilted	0mm	2/3	189	836.4	29.35	30.50	1.303	0.03	0.194	0.253
01	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	251	848.8	24.92	26.50	1.439	-0.01	0.687	0.988
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	128	824.2	24.90	26.50	1.445	-0.15	0.614	0.888
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	2	189	836.4	24.91	26.50	1.442	-0.08	0.568	0.819
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	2	251	848.8	24.92	26.50	1.439	-0.08	0.585	0.842
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	2	128	824.2	24.90	26.50	1.445	-0.15	0.552	0.798
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	2	189	836.4	24.91	26.50	1.442	-0.08	0.497	0.717
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	2	251	848.8	24.92	26.50	1.439	-0.06	0.623	0.896
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	2	128	824.2	24.90	26.50	1.445	-0.15	0.600	0.867
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	2	189	836.4	24.91	26.50	1.442	-0.08	0.575	0.829
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	2	251	848.8	24.92	26.50	1.439	-0.18	0.508	0.731
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	3	251	848.8	24.92	25.30	1.091	-0.01	0.687	0.750
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	3	251	848.8	24.92	25.30	1.091	-0.08	0.585	0.638
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	3	251	848.8	24.92	25.30	1.091	-0.06	0.623	0.680
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	3	251	848.8	24.92	25.30	1.091	-0.18	0.508	0.554
02	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Cheek	0mm	2/3	810	1909.8	26.17	27.50	1.358	-0.15	0.260	0.353
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Tilted	0mm	2/3	810	1909.8	26.17	27.50	1.358	-0.05	0.117	0.159
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Cheek	0mm	2/3	810	1909.8	26.17	27.50	1.358	0.06	0.119	0.162
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Tilted	0mm	2/3	810	1909.8	26.17	27.50	1.358	0.18	0.100	0.136
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Cheek	0mm	2/3	810	1909.8	25.79	27.20	1.384	0.01	0.043	0.059
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Tilted	0mm	2/3	810	1909.8	25.79	27.20	1.384	0.14	0.001	0.001
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	2/3	810	1909.8	25.79	27.20	1.384	0.17	0.028	0.039
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Tilted	0mm	2/3	810	1909.8	25.79	27.20	1.384	-0.17	0.001	0.001

<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)
03	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	2/3	9262	1852.4	24.15	25.00	1.216	0.02	0.351	0.427
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	2/3	9262	1852.4	24.15	25.00	1.216	0.03	0.131	0.159
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	2/3	9262	1852.4	24.15	25.00	1.216	0.06	0.152	0.185
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	2/3	9262	1852.4	24.15	25.00	1.216	0.18	0.113	0.137
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	9262	1852.4	23.82	24.70	1.225	0.1	0.056	0.069
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	2/3	9262	1852.4	23.82	24.70	1.225	0.04	0.001	0.001
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	9262	1852.4	23.82	24.70	1.225	0.08	0.036	0.044
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	2/3	9262	1852.4	23.82	24.70	1.225	-0.01	0.001	0.001
04	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	2/3	1312	1712.4	24.19	25.00	1.205	0	0.313	0.377
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Tilted	0mm	2/3	1312	1712.4	24.19	25.00	1.205	0.12	0.136	0.164
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Cheek	0mm	2/3	1312	1712.4	24.19	25.00	1.205	0	0.115	0.139
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Tilted	0mm	2/3	1312	1712.4	24.19	25.00	1.205	-0.08	0.101	0.122
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	1312	1712.4	23.84	24.70	1.219	0.13	0.100	0.122
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	2/3	1312	1712.4	23.84	24.70	1.219	0.01	0.001	0.001
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	1312	1712.4	23.84	24.70	1.219	0.03	0.062	0.076
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	2/3	1312	1712.4	23.84	24.70	1.219	0.1	0.001	0.001
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Cheek	0mm	2/3	4132	826.4	24.57	25.00	1.104	0.01	0.172	0.190
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Tilted	0mm	2/3	4132	826.4	24.57	25.00	1.104	0.05	0.101	0.112
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	2/3	4132	826.4	24.57	25.00	1.104	-0.03	0.246	0.272
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Tilted	0mm	2/3	4132	826.4	24.57	25.00	1.104	0.06	0.129	0.142
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	2	4132	826.4	23.12	23.90	1.197	-0.01	0.773	0.925
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	2	4182	836.4	23.02	23.90	1.225	-0.05	0.695	0.851
05	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	2	4233	846.6	22.90	23.90	1.259	0	0.776	0.977
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	2	4132	826.4	23.12	23.90	1.197	0.01	0.548	0.656
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	2	4132	826.4	23.12	23.90	1.197	0.01	0.439	0.525
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	2	4132	826.4	23.12	23.90	1.197	0.17	0.321	0.384
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	3	4132	826.4	22.38	22.90	1.127	0	0.664	0.748
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	3	4132	826.4	22.38	22.90	1.127	-0.05	0.470	0.530
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	3	4132	826.4	22.38	22.90	1.127	-0.08	0.377	0.425
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	3	4132	826.4	22.38	22.90	1.127	0.16	0.276	0.311

<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)
06	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2/3	21100	2535	24.12	25.00	1.225	0.03	0.578	0.708
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2/3	21100	2535	23.09	24.00	1.233	0.12	0.469	0.578
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2/3	21100	2535	24.12	25.00	1.225	0.08	0.147	0.180
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2/3	21100	2535	23.09	24.00	1.233	-0.17	0.120	0.148
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2/3	21100	2535	24.12	25.00	1.225	0.15	0.296	0.362
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2/3	21100	2535	23.09	24.00	1.233	-0.03	0.234	0.289
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2/3	21100	2535	24.12	25.00	1.225	0.14	0.262	0.321
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2/3	21100	2535	23.09	24.00	1.233	0.11	0.205	0.253
	CA_7C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2/3	21350	2560	23.07	24.50	1.390	0.04	0.481	0.669
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	21100	2535	23.86	25.00	1.300	0.01	0.023	0.030
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	21100	2535	22.76	24.00	1.330	0.01	0.001	0.001
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	21100	2535	23.86	25.00	1.300	0.03	0.001	0.001
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	21100	2535	22.76	24.00	1.330	-0.08	0.001	0.001
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	21100	2535	23.86	25.00	1.300	0.12	0.102	0.133
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	21100	2535	22.76	24.00	1.330	0.1	0.075	0.100
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	21100	2535	23.86	25.00	1.300	-0.18	0.047	0.061
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	21100	2535	22.76	24.00	1.330	0.1	0.001	0.001
	CA_7C_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	21350	2560	22.72	24.50	1.507	-0.02	0.077	0.116
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	2/3	23095	707.5	24.41	25.00	1.146	-0.02	0.135	0.155
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	23095	707.5	23.45	24.00	1.135	0.01	0.110	0.125
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	23095	707.5	24.41	25.00	1.146	0.03	0.088	0.101
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	23095	707.5	23.45	24.00	1.135	-0.08	0.080	0.091
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	23095	707.5	24.41	25.00	1.146	0.12	0.205	0.235
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	23095	707.5	23.45	24.00	1.135	-0.08	0.165	0.187
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	23095	707.5	24.41	25.00	1.146	0.1	0.126	0.144
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	23095	707.5	23.45	24.00	1.135	-0.18	0.101	0.115
07	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	23095	707.5	23.94	24.60	1.164	0.06	0.833	0.970
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	2	23095	707.5	22.99	23.70	1.178	0.07	0.677	0.797
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	2	23095	707.5	22.98	23.70	1.180	0.18	0.697	0.823
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	2	23095	707.5	23.94	24.60	1.164	-0.1	0.827	0.963
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	2	23095	707.5	22.99	23.70	1.178	0.01	0.692	0.815
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	2	23095	707.5	22.98	23.70	1.180	-0.15	0.715	0.844
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	2	23095	707.5	23.94	24.60	1.164	0	0.348	0.405
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	2	23095	707.5	22.99	23.70	1.178	0.19	0.283	0.333
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	2	23095	707.5	23.94	24.60	1.164	0.07	0.491	0.572
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	2	23095	707.5	22.99	23.70	1.178	-0.18	0.410	0.483
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	23095	707.5	22.66	23.40	1.186	0.01	0.631	0.748
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	3	23095	707.5	22.67	23.40	1.183	0.01	0.629	0.744
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	3	23095	707.5	22.66	23.40	1.186	-0.08	0.526	0.624
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	3	23095	707.5	22.67	23.40	1.183	0.02	0.549	0.649
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	3	23095	707.5	22.66	23.40	1.186	-0.18	0.261	0.309
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	3	23095	707.5	22.67	23.40	1.183	0.1	0.265	0.314
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	3	23095	707.5	22.66	23.40	1.186	0.12	0.368	0.436
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	3	23095	707.5	22.67	23.40	1.183	0.08	0.384	0.454

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	24.67	25.00	1.079	0.03	0.188	0.203
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	23230	782	23.68	24.00	1.076	0.12	0.152	0.164
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	23230	782	24.67	25.00	1.079	0.08	0.118	0.127
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	23230	782	23.68	24.00	1.076	-0.17	0.093	0.100
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	23230	782	24.67	25.00	1.079	0.13	0.259	0.279
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	23230	782	23.68	24.00	1.076	-0.03	0.211	0.227
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	23230	782	24.67	25.00	1.079	0.14	0.162	0.175
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	23230	782	23.68	24.00	1.076	0.11	0.130	0.140
08	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	23230	782	22.82	24.30	1.406	-0.01	0.573	0.806
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	2	23230	782	22.75	24.00	1.334	0.04	0.560	0.747
	LTE Band 13_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	2	23230	782	22.73	24.00	1.340	0.04	0.550	0.737
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	2	23230	782	22.82	24.30	1.406	-0.01	0.521	0.733
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	2	23230	782	22.75	24.00	1.334	-0.08	0.530	0.707
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	2	23230	782	22.82	24.30	1.406	0.02	0.364	0.512
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	2	23230	782	22.75	24.00	1.334	0.05	0.323	0.431
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	2	23230	782	22.82	24.30	1.406	0.06	0.337	0.474
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	2	23230	782	22.75	24.00	1.334	-0.09	0.340	0.453
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	23230	782	22.82	23.60	1.197	-0.01	0.573	0.686
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	3	23230	782	22.75	23.60	1.216	0.04	0.560	0.681
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	3	23230	782	22.82	23.60	1.197	-0.01	0.521	0.624
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	3	23230	782	22.75	23.60	1.216	-0.08	0.530	0.645
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	3	23230	782	22.82	23.60	1.197	0.02	0.364	0.436
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	3	23230	782	22.75	23.60	1.216	0.05	0.323	0.393
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	3	23230	782	22.82	23.60	1.197	0.06	0.337	0.403
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	3	23230	782	22.75	23.60	1.216	-0.09	0.340	0.414
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	2/3	23330	793	24.49	25.00	1.125	0.01	0.186	0.209
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	23330	793	23.53	24.00	1.114	0.18	0.149	0.166
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	23330	793	24.49	25.00	1.125	0.14	0.119	0.134
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	23330	793	23.53	24.00	1.114	-0.17	0.090	0.100
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	23330	793	24.49	25.00	1.125	0.13	0.268	0.301
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	23330	793	23.53	24.00	1.114	0.17	0.222	0.247
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	23330	793	24.49	25.00	1.125	-0.05	0.167	0.188
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	23330	793	23.53	24.00	1.114	0.01	0.135	0.150
09	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	23330	793	22.46	23.70	1.330	0	0.607	0.808
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	2	23330	793	22.25	23.50	1.334	0.14	0.560	0.747
	LTE Band 14_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	2	23330	793	22.23	23.50	1.340	0.14	0.557	0.746
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	2	23330	793	22.46	23.70	1.330	-0.17	0.564	0.750
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	2	23330	793	22.25	23.50	1.334	0.17	0.570	0.760
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	2	23330	793	22.46	23.70	1.330	-0.05	0.403	0.536
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	2	23330	793	22.25	23.50	1.334	0	0.413	0.551
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	2	23330	793	22.46	23.70	1.330	0.01	0.419	0.557
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	2	23330	793	22.25	23.50	1.334	0.1	0.427	0.569
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	23330	793	22.46	23.00	1.132	0	0.607	0.687
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	3	23330	793	22.25	23.00	1.189	0.14	0.560	0.666
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	3	23330	793	22.46	23.00	1.132	-0.17	0.564	0.639
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	3	23330	793	22.25	23.00	1.189	0.17	0.570	0.677
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	3	23330	793	22.46	23.00	1.132	-0.05	0.403	0.456
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	3	23330	793	22.25	23.00	1.189	0	0.413	0.491
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	3	23330	793	22.46	23.00	1.132	0.01	0.419	0.474
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	3	23330	793	22.25	23.00	1.189	0.1	0.427	0.507

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	2/3	26340	1880	23.55	25.00	1.396	0.16	0.317	0.443
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2/3	26340	1880	22.51	24.00	1.409	0.07	0.250	0.352
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2/3	26340	1880	23.55	25.00	1.396	-0.18	0.116	0.162
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2/3	26340	1880	22.51	24.00	1.409	0.03	0.094	0.132
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2/3	26340	1880	23.55	25.00	1.396	-0.01	0.167	0.233
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2/3	26340	1880	22.51	24.00	1.409	0.08	0.138	0.194
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2/3	26340	1880	23.55	25.00	1.396	0.01	0.142	0.198
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2/3	26340	1880	22.51	24.00	1.409	0.03	0.117	0.165
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	26340	1880	23.46	24.70	1.330	0.07	0.014	0.019
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	26340	1880	22.45	23.70	1.334	0.02	0.008	0.011
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	26340	1880	23.46	24.70	1.330	-0.04	0.001	0.001
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	26340	1880	22.45	23.70	1.334	-0.08	0.001	0.001
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	26340	1880	23.46	24.70	1.330	-0.14	0.070	0.093
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	26340	1880	22.45	23.70	1.334	0.17	0.035	0.047
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	26340	1880	23.46	24.70	1.330	0.18	0.001	0.001
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	26340	1880	22.45	23.70	1.334	-0.04	0.001	0.001
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	26340	1880	15.66	17.30	1.459	0.06	0.548	0.799
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	26340	1880	15.62	17.30	1.472	-0.03	0.613	0.903
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	26140	1860	15.56	17.30	1.493	0.15	0.591	0.882
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	26590	1905	15.50	17.30	1.514	0.05	0.595	0.901
	LTE Band 25_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	2	26340	1880	15.58	17.30	1.486	0.06	0.532	0.791
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	26340	1880	15.66	17.30	1.459	0.01	0.489	0.713
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	26340	1880	15.62	17.30	1.472	0.03	0.535	0.788
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	2	26340	1880	15.66	17.30	1.459	0	0.209	0.305
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	2	26340	1880	15.62	17.30	1.472	-0.08	0.182	0.268
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	2	26340	1880	15.66	17.30	1.459	-0.08	0.231	0.337
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	2	26340	1880	15.62	17.30	1.472	0.1	0.215	0.317
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	26340	1880	15.66	16.40	1.186	0.06	0.548	0.650
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	3	26340	1880	15.62	16.40	1.197	-0.03	0.613	0.734
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	26340	1880	15.66	16.40	1.186	0.01	0.489	0.580
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	26340	1880	15.62	16.40	1.197	0.03	0.535	0.640
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	3	26340	1880	15.66	16.40	1.186	0	0.209	0.248
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	3	26340	1880	15.62	16.40	1.197	-0.08	0.182	0.218
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	3	26340	1880	15.66	16.40	1.186	-0.08	0.231	0.274
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	3	26340	1880	15.62	16.40	1.197	0.1	0.215	0.257
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	2	26340	1880	17.82	19.50	1.472	0	0.221	0.325
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	2	26340	1880	17.80	19.50	1.479	-0.15	0.187	0.277
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	2	26340	1880	17.82	19.50	1.472	-0.15	0.092	0.135
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	2	26340	1880	17.80	19.50	1.479	0.11	0.107	0.158
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	26340	1880	17.82	19.50	1.472	0.15	0.550	0.810
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	26140	1860	17.81	19.50	1.476	-0.08	0.504	0.744
10	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	26590	1905	17.71	19.50	1.510	-0.03	0.603	0.911
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	26340	1880	17.80	19.50	1.479	-0.17	0.490	0.725
	LTE Band 25_Ant 5	20M	QPSK	100	0	Left Cheek	0mm	2	26340	1880	17.78	19.50	1.486	-0.17	0.512	0.761
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	2	26340	1880	17.82	19.50	1.472	-0.08	0.170	0.250
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	2	26340	1880	17.80	19.50	1.479	-0.04	0.166	0.246
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	3	26340	1880	17.82	18.80	1.253	0	0.221	0.277
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	3	26340	1880	17.80	18.80	1.259	-0.15	0.187	0.235
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	3	26340	1880	17.82	18.80	1.253	-0.15	0.092	0.115
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	3	26340	1880	17.80	18.80	1.259	0.11	0.107	0.135
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	3	26340	1880	17.82	18.80	1.253	0.15	0.550	0.689
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	3	26340	1880	17.80	18.80	1.259	-0.17	0.490	0.617

	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	3	26340	1880	17.82	18.80	1.253	-0.08	0.170	0.213
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	3	26340	1880	17.80	18.80	1.259	-0.04	0.166	0.209
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Cheek	0mm	2/3	26865	831.5	24.15	25.00	1.216	0.01	0.190	0.231
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Cheek	0mm	2/3	26865	831.5	23.16	24.00	1.213	-0.17	0.150	0.182
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Tilted	0mm	2/3	26865	831.5	24.15	25.00	1.216	0.04	0.148	0.180
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Tilted	0mm	2/3	26865	831.5	23.16	24.00	1.213	-0.01	0.120	0.146
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Cheek	0mm	2/3	26865	831.5	24.15	25.00	1.216	0.12	0.221	0.269
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Cheek	0mm	2/3	26865	831.5	23.16	24.00	1.213	-0.08	0.163	0.198
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Tilted	0mm	2/3	26865	831.5	24.15	25.00	1.216	0.05	0.135	0.164
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Tilted	0mm	2/3	26865	831.5	23.16	24.00	1.213	0.06	0.101	0.123
	CA_5B_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	20600	844	23.15	24.50	1.365	-0.07	0.174	0.237
11	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	2	26865	831.5	22.43	23.60	1.309	-0.02	0.694	0.909
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Cheek	0mm	2	26865	831.5	22.23	23.20	1.250	0.18	0.612	0.765
	LTE Band 26_Ant 1	15M	QPSK	75	0	Right Cheek	0mm	2	26865	831.5	22.21	23.20	1.256	-0.1	0.624	0.784
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	2	26865	831.5	22.43	23.60	1.309	0.01	0.612	0.801
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Tilted	0mm	2	26865	831.5	22.23	23.20	1.250	-0.15	0.604	0.755
	LTE Band 26_Ant 1	15M	QPSK	75	0	Right Tilted	0mm	2	26865	831.5	22.21	23.20	1.256	0.19	0.582	0.731
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	2	26865	831.5	22.43	23.60	1.309	-0.01	0.403	0.528
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Cheek	0mm	2	26865	831.5	22.23	23.20	1.250	0.07	0.353	0.441
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	2	26865	831.5	22.43	23.60	1.309	-0.18	0.379	0.496
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Tilted	0mm	2	26865	831.5	22.23	23.20	1.250	0.03	0.372	0.465
	CA_5B_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	2	20574	841.4	22.36	23.60	1.330	-0.02	0.653	0.869
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	3	26865	831.5	22.43	22.60	1.040	-0.02	0.694	0.722
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Cheek	0mm	3	26865	831.5	22.23	22.60	1.089	0.18	0.612	0.666
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	3	26865	831.5	22.43	22.60	1.040	0.01	0.612	0.636
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Tilted	0mm	3	26865	831.5	22.23	22.60	1.089	-0.15	0.604	0.658
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	3	26865	831.5	22.43	22.60	1.040	-0.01	0.403	0.419
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Cheek	0mm	3	26865	831.5	22.23	22.60	1.089	0.07	0.353	0.384
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	3	26865	831.5	22.43	22.60	1.040	-0.18	0.379	0.394
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Tilted	0mm	3	26865	831.5	22.23	22.60	1.089	0.03	0.372	0.405
	CA_5B_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	3	20574	841.4	22.36	22.60	1.057	-0.02	0.653	0.690
12	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Cheek	0mm	2/3	27710	2310	23.52	24.60	1.282	-0.05	0.455	0.583
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Cheek	0mm	2/3	27710	2310	22.53	23.60	1.279	0.08	0.361	0.462
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Tilted	0mm	2/3	27710	2310	23.52	24.60	1.282	0.01	0.124	0.159
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Tilted	0mm	2/3	27710	2310	22.53	23.60	1.279	0.03	0.095	0.122
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Cheek	0mm	2/3	27710	2310	23.52	24.60	1.282	-0.01	0.206	0.264
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Cheek	0mm	2/3	27710	2310	22.53	23.60	1.279	-0.18	0.168	0.215
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Tilted	0mm	2/3	27710	2310	23.52	24.60	1.282	0.1	0.175	0.224
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Tilted	0mm	2/3	27710	2310	22.53	23.60	1.279	0.12	0.137	0.175
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Cheek	0mm	2/3	27710	2310	23.37	24.60	1.327	0.05	0.009	0.012
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Cheek	0mm	2/3	27710	2310	22.36	23.60	1.330	0.08	0.008	0.011
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Tilted	0mm	2/3	27710	2310	23.37	24.60	1.327	-0.17	0.005	0.007
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Tilted	0mm	2/3	27710	2310	22.36	23.60	1.330	-0.03	0.004	0.005
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Cheek	0mm	2/3	27710	2310	23.37	24.60	1.327	-0.15	0.088	0.117
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Cheek	0mm	2/3	27710	2310	22.36	23.60	1.330	0.11	0.064	0.085
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Tilted	0mm	2/3	27710	2310	23.37	24.60	1.327	-0.05	0.040	0.053
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Tilted	0mm	2/3	27710	2310	22.36	23.60	1.330	0.18	0.025	0.033

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)
13	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2/3	40620	2593	24.09	25.00	1.233	62.9	1.006	0.09	0.327	0.406
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2/3	40620	2593	22.55	23.50	1.245	62.9	1.006	0.17	0.233	0.292
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2/3	40620	2593	24.09	25.00	1.233	62.9	1.006	-0.05	0.075	0.093
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2/3	40620	2593	22.55	23.50	1.245	62.9	1.006	0.01	0.069	0.086
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2/3	40620	2593	24.09	25.00	1.233	62.9	1.006	0.07	0.174	0.216
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2/3	40620	2593	22.55	23.50	1.245	62.9	1.006	0.02	0.166	0.208
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2/3	40620	2593	24.09	25.00	1.233	62.9	1.006	-0.05	0.114	0.141
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2/3	40620	2593	22.55	23.50	1.245	62.9	1.006	0.02	0.077	0.096
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2/3	40620	2593	25.95	26.90	1.245	42.9	1.009	-0.08	0.315	0.396
	CA_41C_Ant 2	20M	QPSK	1	0	Right Cheek	0mm	2/3	41490	2680	22.98	24.50	1.419	62.9	1.006	-0.07	0.238	0.340
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	40620	2593	23.97	25.00	1.268	62.9	1.006	0.06	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	40620	2593	22.45	23.50	1.274	62.9	1.006	-0.09	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	40620	2593	23.97	25.00	1.268	62.9	1.006	-0.08	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	40620	2593	22.45	23.50	1.274	62.9	1.006	0.13	0.001	0.001
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	40620	2593	23.97	25.00	1.268	62.9	1.006	0.17	0.061	0.078
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	40620	2593	22.45	23.50	1.274	62.9	1.006	0.03	0.054	0.069
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	40620	2593	23.97	25.00	1.268	62.9	1.006	0.18	0.043	0.055
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	40620	2593	22.45	23.50	1.274	62.9	1.006	0.16	0.034	0.044
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	40620	2593	25.86	27.10	1.330	42.9	1.009	-0.1	0.058	0.078
	CA_41C_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	40185	2549.5	22.75	24.50	1.496	62.9	1.006	0.01	0.045	0.068
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Cheek	0mm	2/3	55830	3609	24.35	25.00	1.161	62.9	1.006	0.16	0.102	0.119
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Cheek	0mm	2/3	55830	3609	22.28	23.00	1.180	62.9	1.006	0.08	0.062	0.074
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Tilted	0mm	2/3	55830	3609	24.35	25.00	1.161	62.9	1.006	0.01	0.101	0.118
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Tilted	0mm	2/3	55830	3609	22.28	23.00	1.180	62.9	1.006	0.03	0.067	0.080
14	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Cheek	0mm	2/3	55830	3609	24.35	25.00	1.161	62.9	1.006	0.16	0.184	0.215
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Cheek	0mm	2/3	55830	3609	22.28	23.00	1.180	62.9	1.006	-0.08	0.110	0.131
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Tilted	0mm	2/3	55830	3609	24.35	25.00	1.161	62.9	1.006	-0.08	0.071	0.083
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Tilted	0mm	2/3	55830	3609	22.28	23.00	1.180	62.9	1.006	0.1	0.046	0.055
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Cheek	0mm	2/3	55830	3609	20.40	22.20	1.514	62.9	1.006	-0.17	0.115	0.175
	LTE Band 48_Ant 7	20M	QPSK	50	0	Right Cheek	0mm	2/3	55830	3609	20.40	22.20	1.514	62.9	1.006	0.09	0.127	0.193
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Tilted	0mm	2/3	55830	3609	20.40	22.20	1.514	62.9	1.006	-0.03	0.048	0.073
	LTE Band 48_Ant 7	20M	QPSK	50	0	Right Tilted	0mm	2/3	55830	3609	20.40	22.20	1.514	62.9	1.006	0.14	0.050	0.076
	LTE Band 48_Ant 7	20M	QPSK	1	0	Left Cheek	0mm	2/3	55830	3609	20.40	22.20	1.514	62.9	1.006	0.11	0.068	0.104
	LTE Band 48_Ant 7	20M	QPSK	50	0	Left Cheek	0mm	2/3	55830	3609	20.40	22.20	1.514	62.9	1.006	-0.17	0.069	0.105
	LTE Band 48_Ant 7	20M	QPSK	1	0	Left Tilted	0mm	2/3	55830	3609	20.40	22.20	1.514	62.9	1.006	-0.05	0.077	0.117
	LTE Band 48_Ant 7	20M	QPSK	50	0	Left Tilted	0mm	2/3	55830	3609	20.40	22.20	1.514	62.9	1.006	0.18	0.082	0.125

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	2/3	132322	1745	23.72	25.00	1.343	-0.09	0.306	0.411
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Cheek	0mm	2/3	132322	1745	22.66	24.00	1.361	0.08	0.241	0.328
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Tilted	0mm	2/3	132322	1745	23.72	25.00	1.343	0.01	0.129	0.173
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Tilted	0mm	2/3	132322	1745	22.66	24.00	1.361	0.03	0.107	0.146
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Cheek	0mm	2/3	132322	1745	23.72	25.00	1.343	0	0.121	0.162
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Cheek	0mm	2/3	132322	1745	22.66	24.00	1.361	-0.08	0.099	0.135
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Tilted	0mm	2/3	132322	1745	23.72	25.00	1.343	-0.08	0.113	0.152
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Tilted	0mm	2/3	132322	1745	22.66	24.00	1.361	0.1	0.090	0.123
	CA_66C_Ant 2	20M	QPSK	1	99	Right Cheek	0mm	2/3	132072	1720	22.59	24.50	1.552	0.01	0.240	0.373
	CA_66B_Ant 2	15MM	QPSK	1	74	Right Cheek	0mm	2/3	132047	1717.5	22.53	24.50	1.574	0.03	0.230	0.362
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	132322	1745	23.44	24.70	1.337	0.1	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	132322	1745	22.41	23.70	1.346	0.12	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	132322	1745	23.44	24.70	1.337	0.08	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	132322	1745	22.41	23.70	1.346	-0.17	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	132322	1745	23.44	24.70	1.337	0.13	0.040	0.053
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	132322	1745	22.41	23.70	1.346	-0.03	0.014	0.019
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	132322	1745	23.44	24.70	1.337	0.14	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	132322	1745	22.41	23.70	1.346	0.11	0.001	0.001
	CA_66C_Ant 0	20M	QPSK	1	99	Left Cheek	0mm	2/3	132072	1720	22.88	24.50	1.452	0.01	0.033	0.048
	CA_66B_Ant 0	15MM	QPSK	1	74	Left Cheek	0mm	2/3	132047	1717.5	22.81	24.50	1.476	0.03	0.031	0.046
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	132322	1745	16.77	18.40	1.455	0.08	0.646	0.940
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	132072	1720	16.75	18.40	1.462	0.1	0.511	0.747
15	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	132572	1770	16.58	18.40	1.521	-0.04	0.650	0.988
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	132322	1745	16.77	18.40	1.455	0.01	0.596	0.867
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	132072	1720	16.76	18.40	1.459	0.18	0.501	0.731
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	132572	1770	16.55	18.40	1.531	0.14	0.632	0.968
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	2	132322	1745	16.72	18.40	1.472	0.05	0.568	0.836
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	132322	1745	16.77	18.40	1.455	0.03	0.571	0.831
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	132072	1720	16.75	18.40	1.462	-0.17	0.494	0.722
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	132572	1770	16.58	18.40	1.521	0.17	0.629	0.956
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	132322	1745	16.77	18.40	1.455	-0.08	0.572	0.833
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	132072	1720	16.76	18.40	1.459	-0.05	0.480	0.700
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	132572	1770	16.55	18.40	1.531	0.01	0.611	0.935
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	2	132322	1745	16.72	18.40	1.472	0.04	0.544	0.801
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	2	132322	1745	16.77	18.40	1.455	0.01	0.243	0.354
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	2	132322	1745	16.77	18.40	1.455	-0.08	0.227	0.330
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	2	132322	1745	16.77	18.40	1.455	0.1	0.296	0.431
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	2	132322	1745	16.77	18.40	1.455	-0.18	0.264	0.384
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	132322	1745	16.77	17.20	1.104	0.08	0.646	0.713
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	3	132322	1745	16.77	17.20	1.104	0.01	0.596	0.658
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	132322	1745	16.77	17.20	1.104	0.03	0.571	0.630
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	132322	1745	16.77	17.20	1.104	-0.08	0.572	0.632
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	3	132322	1745	16.77	17.20	1.104	0.01	0.243	0.268
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	3	132322	1745	16.77	17.20	1.104	-0.08	0.227	0.251
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	3	132322	1745	16.77	17.20	1.104	0.1	0.296	0.327
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	3	132322	1745	16.77	17.20	1.104	-0.18	0.264	0.291
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	2	132322	1745	18.00	19.70	1.479	-0.06	0.196	0.290
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	2	132322	1745	17.98	19.70	1.486	0.18	0.174	0.259
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	2	132322	1745	18.00	19.70	1.479	0.12	0.088	0.130
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	2	132322	1745	17.98	19.70	1.486	0.08	0.092	0.137
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	132322	1745	18.00	19.70	1.479	-0.18	0.542	0.802
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	132072	1720	17.99	19.70	1.483	-0.05	0.345	0.511

	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	2	132572	1770	17.79	19.70	1.552	0.08	0.587	0.911
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	2	132322	1745	17.98	19.70	1.486	-0.03	0.529	0.786
	LTE Band 66_Ant 5	20M	QPSK	100	0	Left Cheek	0mm	2	132572	1770	17.74	19.70	1.570	0.05	0.491	0.771
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	2	132322	1745	18.00	19.70	1.479	0.14	0.083	0.123
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	2	132322	1745	17.98	19.70	1.486	0.11	0.093	0.138
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Cheek	0mm	3	132322	1745	18.00	19.00	1.259	-0.06	0.196	0.247
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Cheek	0mm	3	132322	1745	17.98	19.00	1.265	0.18	0.174	0.220
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Tilted	0mm	3	132322	1745	18.00	19.00	1.259	0.12	0.088	0.111
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Tilted	0mm	3	132322	1745	17.98	19.00	1.265	0.08	0.092	0.116
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Cheek	0mm	3	132322	1745	18.00	19.00	1.259	-0.18	0.542	0.682
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Cheek	0mm	3	132322	1745	17.98	19.00	1.265	-0.03	0.529	0.669
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Tilted	0mm	3	132322	1745	18.00	19.00	1.259	0.14	0.083	0.104
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Tilted	0mm	3	132322	1745	17.98	19.00	1.265	0.11	0.093	0.118
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Cheek	0mm	2/3	133297	680.5	24.47	25.00	1.130	-0.01	0.075	0.085
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Cheek	0mm	2/3	133297	680.5	23.48	24.00	1.127	0.07	0.043	0.048
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Tilted	0mm	2/3	133297	680.5	24.47	25.00	1.130	0.18	0.042	0.047
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Tilted	0mm	2/3	133297	680.5	23.48	24.00	1.127	-0.1	0.024	0.027
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Cheek	0mm	2/3	133297	680.5	24.47	25.00	1.130	-0.11	0.141	0.159
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Cheek	0mm	2/3	133297	680.5	23.48	24.00	1.127	0.01	0.082	0.092
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Tilted	0mm	2/3	133297	680.5	24.47	25.00	1.130	-0.15	0.077	0.087
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Tilted	0mm	2/3	133297	680.5	23.48	24.00	1.127	0.19	0.048	0.054
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	2	133297	680.5	24.43	25.00	1.140	0.06	0.778	0.887
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	2	133297	680.5	23.43	24.00	1.140	0.17	0.686	0.782
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	2	133297	680.5	23.37	24.00	1.156	-0.05	0.712	0.823
16	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	2	133297	680.5	24.43	25.00	1.140	0.02	0.830	0.946
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	2	133297	680.5	23.43	24.00	1.140	-0.08	0.680	0.775
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	2	133297	680.5	23.37	24.00	1.156	0.01	0.676	0.782
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	2	133297	680.5	24.43	25.00	1.140	0.01	0.418	0.477
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	2	133297	680.5	23.43	24.00	1.140	-0.17	0.339	0.387
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	2	133297	680.5	24.43	25.00	1.140	0.04	0.379	0.432
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	2	133297	680.5	23.43	24.00	1.140	-0.01	0.297	0.339
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	3	133297	680.5	23.12	23.80	1.169	0	0.631	0.738
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	3	133297	680.5	23.11	23.80	1.172	0.14	0.629	0.737
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	3	133297	680.5	23.12	23.80	1.169	-0.02	0.600	0.702
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	3	133297	680.5	23.11	23.80	1.172	-0.05	0.594	0.696
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	3	133297	680.5	23.12	23.80	1.169	0.14	0.338	0.395
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	3	133297	680.5	23.11	23.80	1.172	-0.17	0.330	0.387
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	3	133297	680.5	23.12	23.80	1.169	0.17	0.307	0.359
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	3	133297	680.5	23.11	23.80	1.172	-0.05	0.293	0.343

<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 n7_Ant 2	50M	BPSK	1	1	Right Cheek	0mm	2/3	507000	2535	24.44	25.00	1.138	0.08	0.606	0.689
17	FR1 n7_Ant 2	50M	BPSK	135	68	Right Cheek	0mm	2/3	507000	2535	24.43	25.00	1.140	0.13	0.614	0.700
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Tilted	0mm	2/3	507000	2535	24.44	25.00	1.138	0.01	0.167	0.190
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Tilted	0mm	2/3	507000	2535	24.43	25.00	1.140	0.03	0.169	0.193
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Cheek	0mm	2/3	507000	2535	24.44	25.00	1.138	-0.11	0.271	0.308
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Cheek	0mm	2/3	507000	2535	24.43	25.00	1.140	-0.08	0.269	0.307
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Tilted	0mm	2/3	507000	2535	24.44	25.00	1.138	0.1	0.226	0.257
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Tilted	0mm	2/3	507000	2535	24.43	25.00	1.140	-0.18	0.237	0.270
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Cheek	0mm	2/3	507000	2535	24.08	25.00	1.236	0.12	0.024	0.030
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Cheek	0mm	2/3	507000	2535	24.02	25.00	1.253	-0.17	0.020	0.025
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Tilted	0mm	2/3	507000	2535	24.08	25.00	1.236	-0.03	0.001	0.001
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Tilted	0mm	2/3	507000	2535	24.02	25.00	1.253	0.14	0.001	0.001
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Cheek	0mm	2/3	507000	2535	24.08	25.00	1.236	0.11	0.081	0.100
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Cheek	0mm	2/3	507000	2535	24.02	25.00	1.253	0.12	0.084	0.105
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Tilted	0mm	2/3	507000	2535	24.08	25.00	1.236	0.18	0.036	0.044
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Tilted	0mm	2/3	507000	2535	24.02	25.00	1.253	0.14	0.046	0.058
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Cheek	0mm	2/3	141500	707.5	24.35	25.00	1.161	0.07	0.142	0.165
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Cheek	0mm	2/3	141500	707.5	24.32	25.00	1.169	0.01	0.133	0.156
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Tilted	0mm	2/3	141500	707.5	24.35	25.00	1.161	0.03	0.090	0.105
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Tilted	0mm	2/3	141500	707.5	24.32	25.00	1.169	-0.08	0.096	0.112
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Cheek	0mm	2/3	141500	707.5	24.35	25.00	1.161	-0.08	0.185	0.215
	FR1 n12_Ant 0	15M	BPSK	36	22	Left Cheek	0mm	2/3	141500	707.5	24.32	25.00	1.169	0.14	0.199	0.233
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Tilted	0mm	2/3	141500	707.5	24.35	25.00	1.161	-0.18	0.105	0.122
	FR1 n12_Ant 0	15M	BPSK	36	22	Left Tilted	0mm	2/3	141500	707.5	24.32	25.00	1.169	0.1	0.122	0.143
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Cheek	0mm	2/3	141500	707.5	24.16	24.70	1.132	-0.17	0.577	0.653
18	FR1 n12_Ant 1	15M	BPSK	36	22	Right Cheek	0mm	2/3	141500	707.5	24.09	24.70	1.151	0.01	0.652	0.750
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Tilted	0mm	2/3	141500	707.5	24.16	24.70	1.132	0.14	0.504	0.571
	FR1 n12_Ant 1	15M	BPSK	36	22	Right Tilted	0mm	2/3	141500	707.5	24.09	24.70	1.151	0.11	0.574	0.661
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Cheek	0mm	2/3	141500	707.5	24.16	24.70	1.132	0.18	0.325	0.368
	FR1 n12_Ant 1	15M	BPSK	36	22	Left Cheek	0mm	2/3	141500	707.5	24.09	24.70	1.151	0.01	0.380	0.437
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Tilted	0mm	2/3	141500	707.5	24.16	24.70	1.132	0.14	0.332	0.376
	FR1 n12_Ant 1	15M	BPSK	36	22	Left Tilted	0mm	2/3	141500	707.5	24.09	24.70	1.151	-0.17	0.390	0.449

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 n14_Ant 0	10M	BPSK	1	1	Right Cheek	0mm	2/3	158600	793	24.31	25.00	1.172	0.18	0.183	0.215
	FR1 n14_Ant 0	10M	BPSK	25	14	Right Cheek	0mm	2/3	158600	793	24.28	25.00	1.180	-0.17	0.166	0.196
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Tilted	0mm	2/3	158600	793	24.31	25.00	1.172	-0.03	0.121	0.142
	FR1 n14_Ant 0	10M	BPSK	25	14	Right Tilted	0mm	2/3	158600	793	24.28	25.00	1.180	0.14	0.129	0.152
	FR1 n14_Ant 0	10M	BPSK	1	1	Left Cheek	0mm	2/3	158600	793	24.31	25.00	1.172	0.11	0.252	0.295
	FR1 n14_Ant 0	10M	BPSK	25	14	Left Cheek	0mm	2/3	158600	793	24.28	25.00	1.180	-0.06	0.254	0.300
	FR1 n14_Ant 0	10M	BPSK	1	1	Left Tilted	0mm	2/3	158600	793	24.31	25.00	1.172	0.18	0.154	0.181
	FR1 n14_Ant 0	10M	BPSK	25	14	Left Tilted	0mm	2/3	158600	793	24.28	25.00	1.180	0.14	0.159	0.188
	FR1 n14_Ant 1	10M	BPSK	1	26	Right Cheek	0mm	2	158600	793	23.40	23.90	1.122	0.08	0.645	0.724
19	FR1 n14_Ant 1	10M	BPSK	25	0	Right Cheek	0mm	2	158600	793	23.08	23.90	1.208	0.01	0.781	0.943
	FR1 n14_Ant 1	10M	BPSK	50	0	Right Cheek	0mm	2	158600	793	23.05	23.90	1.216	0.08	0.579	0.704
	FR1 n14_Ant 1	10M	BPSK	1	26	Right Tilted	0mm	2	158600	793	23.40	23.90	1.122	0.01	0.609	0.683
	FR1 n14_Ant 1	10M	BPSK	25	0	Right Tilted	0mm	2	158600	793	23.08	23.90	1.208	-0.08	0.565	0.682
	FR1 n14_Ant 1	10M	BPSK	1	26	Left Cheek	0mm	2	158600	793	23.40	23.90	1.122	-0.08	0.611	0.686
	FR1 n14_Ant 1	10M	BPSK	25	0	Left Cheek	0mm	2	158600	793	23.08	23.90	1.208	0	0.616	0.744
	FR1 n14_Ant 1	10M	BPSK	1	26	Left Tilted	0mm	2	158600	793	23.40	23.90	1.122	-0.18	0.505	0.567
	FR1 n14_Ant 1	10M	BPSK	25	0	Left Tilted	0mm	2	158600	793	23.08	23.90	1.208	0.1	0.513	0.620
	FR1 n14_Ant 1	10M	BPSK	1	26	Right Cheek	0mm	3	158600	793	22.35	22.70	1.084	0.1	0.520	0.564
	FR1 n14_Ant 1	10M	BPSK	25	0	Right Cheek	0mm	3	158600	793	22.08	22.70	1.153	0.04	0.638	0.736
	FR1 n14_Ant 1	10M	BPSK	1	26	Right Tilted	0mm	3	158600	793	22.35	22.70	1.084	-0.01	0.492	0.533
	FR1 n14_Ant 1	10M	BPSK	25	0	Right Tilted	0mm	3	158600	793	22.08	22.70	1.153	-0.08	0.462	0.533
	FR1 n14_Ant 1	10M	BPSK	1	26	Left Cheek	0mm	3	158600	793	22.35	22.70	1.084	0.05	0.494	0.535
	FR1 n14_Ant 1	10M	BPSK	25	0	Left Cheek	0mm	3	158600	793	22.08	22.70	1.153	0.06	0.504	0.581
	FR1 n14_Ant 1	10M	BPSK	1	26	Left Tilted	0mm	3	158600	793	22.35	22.70	1.084	-0.09	0.409	0.443
	FR1 n14_Ant 1	10M	BPSK	25	0	Left Tilted	0mm	3	158600	793	22.08	22.70	1.153	-0.08	0.418	0.482

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 n25_Ant 2	40M	BPSK	1	1	Right Cheek	0mm	2/3	376500	1882.5	23.85	25.00	1.303	0.08	0.298	0.388
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Cheek	0mm	2/3	376500	1882.5	23.81	25.00	1.315	0.02	0.314	0.413
	FR1 n25_Ant 2	40M	BPSK	1	1	Right Tilted	0mm	2/3	376500	1882.5	23.85	25.00	1.303	0.01	0.121	0.158
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Tilted	0mm	2/3	376500	1882.5	23.81	25.00	1.315	0.03	0.124	0.163
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Cheek	0mm	2/3	376500	1882.5	23.85	25.00	1.303	-0.09	0.123	0.160
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Cheek	0mm	2/3	376500	1882.5	23.81	25.00	1.315	-0.08	0.118	0.155
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Tilted	0mm	2/3	376500	1882.5	23.85	25.00	1.303	0.1	0.097	0.126
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Tilted	0mm	2/3	376500	1882.5	23.81	25.00	1.315	-0.18	0.099	0.130
	FR1 n25_Ant 0	40M	BPSK	1	1	Right Cheek	0mm	2/3	376500	1882.5	23.72	24.70	1.253	0.12	0.056	0.070
	FR1 n25_Ant 0	40M	BPSK	108	54	Right Cheek	0mm	2/3	376500	1882.5	23.65	24.70	1.274	0.08	0.050	0.064
	FR1 n25_Ant 0	40M	BPSK	1	1	Right Tilted	0mm	2/3	376500	1882.5	23.72	24.70	1.253	-0.17	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	108	54	Right Tilted	0mm	2/3	376500	1882.5	23.65	24.70	1.274	-0.03	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	1	1	Left Cheek	0mm	2/3	376500	1882.5	23.72	24.70	1.253	0.14	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	108	54	Left Cheek	0mm	2/3	376500	1882.5	23.65	24.70	1.274	0.11	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	1	1	Left Tilted	0mm	2/3	376500	1882.5	23.72	24.70	1.253	-0.05	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	108	54	Left Tilted	0mm	2/3	376500	1882.5	23.65	24.70	1.274	0.18	0.001	0.001
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	2	376500	1882.5	16.55	18.00	1.396	0.12	0.652	0.910
20	FR1 n25_Ant 1	40M	BPSK	108	54	Right Cheek	0mm	2	376500	1882.5	16.52	18.00	1.406	-0.01	0.693	0.974
	FR1 n25_Ant 1	40M	BPSK	216	0	Right Cheek	0mm	2	376500	1882.5	16.50	18.00	1.413	0.03	0.583	0.824
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	2	376500	1882.5	16.55	18.00	1.396	0.08	0.604	0.843
	FR1 n25_Ant 1	40M	BPSK	108	54	Right Tilted	0mm	2	376500	1882.5	16.52	18.00	1.406	-0.17	0.651	0.915
	FR1 n25_Ant 1	40M	BPSK	216	0	Right Tilted	0mm	2	376500	1882.5	16.50	18.00	1.413	0.06	0.541	0.764
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	2	376500	1882.5	16.55	18.00	1.396	-0.03	0.246	0.344
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Cheek	0mm	2	376500	1882.5	16.52	18.00	1.406	0.02	0.285	0.401
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	2	376500	1882.5	16.55	18.00	1.396	0.11	0.294	0.411
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Tilted	0mm	2	376500	1882.5	16.52	18.00	1.406	-0.05	0.288	0.405
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	3	376500	1882.5	16.55	16.80	1.059	0.12	0.652	0.691
	FR1 n25_Ant 1	40M	BPSK	108	54	Right Cheek	0mm	3	376500	1882.5	16.52	16.80	1.067	-0.01	0.693	0.739
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	3	376500	1882.5	16.55	16.80	1.059	0.08	0.604	0.640
	FR1 n25_Ant 1	40M	BPSK	108	54	Right Tilted	0mm	3	376500	1882.5	16.52	16.80	1.067	-0.17	0.651	0.694
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	3	376500	1882.5	16.55	16.80	1.059	-0.03	0.246	0.261
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Cheek	0mm	3	376500	1882.5	16.52	16.80	1.067	0.02	0.285	0.304
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	3	376500	1882.5	16.55	16.80	1.059	0.11	0.294	0.311
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Tilted	0mm	3	376500	1882.5	16.52	16.80	1.067	-0.05	0.288	0.307
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	2	376500	1882.5	18.09	19.80	1.483	0.08	0.184	0.273
	FR1 n25_Ant 5	40M	BPSK	108	0	Right Cheek	0mm	2	376500	1882.5	18.05	19.80	1.496	-0.17	0.239	0.358
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	2	376500	1882.5	18.09	19.80	1.483	0.03	0.104	0.154
	FR1 n25_Ant 5	40M	BPSK	108	0	Right Tilted	0mm	2	376500	1882.5	18.05	19.80	1.496	-0.08	0.105	0.157
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	2	376500	1882.5	18.09	19.80	1.483	-0.08	0.484	0.718
	FR1 n25_Ant 5	40M	BPSK	108	0	Left Cheek	0mm	2	376500	1882.5	18.05	19.80	1.496	-0.02	0.542	0.811
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	2	376500	1882.5	18.09	19.80	1.483	0.1	0.181	0.268
	FR1 n25_Ant 5	40M	BPSK	108	0	Left Tilted	0mm	2	376500	1882.5	18.05	19.80	1.496	-0.18	0.167	0.250
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	3	376500	1882.5	18.09	19.10	1.262	0.08	0.184	0.232
	FR1 n25_Ant 5	40M	BPSK	108	0	Right Cheek	0mm	3	376500	1882.5	18.05	19.10	1.274	-0.17	0.239	0.304
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	3	376500	1882.5	18.09	19.10	1.262	0.03	0.104	0.131
	FR1 n25_Ant 5	40M	BPSK	108	0	Right Tilted	0mm	3	376500	1882.5	18.05	19.10	1.274	-0.08	0.105	0.134
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	3	376500	1882.5	18.09	19.10	1.262	-0.08	0.484	0.611
	FR1 n25_Ant 5	40M	BPSK	108	0	Left Cheek	0mm	3	376500	1882.5	18.05	19.10	1.274	-0.02	0.542	0.690
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	3	376500	1882.5	18.09	19.10	1.262	0.1	0.181	0.228
	FR1 n25_Ant 5	40M	BPSK	108	0	Left Tilted	0mm	3	376500	1882.5	18.05	19.10	1.274	-0.18	0.167	0.213

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	2/3	166300	831.5	24.33	25.00	1.167	0.14	0.148	0.173
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	2/3	166300	831.5	24.30	25.00	1.175	0.01	0.130	0.153
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	2/3	166300	831.5	24.33	25.00	1.167	0.03	0.100	0.117
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	2/3	166300	831.5	24.30	25.00	1.175	-0.08	0.129	0.152
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	2/3	166300	831.5	24.33	25.00	1.167	-0.08	0.245	0.286
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	2/3	166300	831.5	24.30	25.00	1.175	0.11	0.250	0.294
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	2/3	166300	831.5	24.33	25.00	1.167	0.1	0.128	0.149
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	2/3	166300	831.5	24.30	25.00	1.175	-0.18	0.154	0.181
21	FR1 n26_Ant 1	20M	BPSK	1	53	Right Cheek	0mm	2	166300	831.5	22.80	23.60	1.202	0	0.685	0.824
	FR1 n26_Ant 1	20M	BPSK	50	0	Right Cheek	0mm	2	166300	831.5	22.62	23.60	1.253	0.14	0.620	0.777
	FR1 n26_Ant 1	20M	BPSK	100	0	Right Cheek	0mm	2	166300	831.5	22.51	23.60	1.285	0.14	0.602	0.774
	FR1 n26_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	2	166300	831.5	22.80	23.60	1.202	0.06	0.478	0.575
	FR1 n26_Ant 1	20M	BPSK	50	0	Right Tilted	0mm	2	166300	831.5	22.62	23.60	1.253	-0.17	0.455	0.570
	FR1 n26_Ant 1	20M	BPSK	1	53	Left Cheek	0mm	2	166300	831.5	22.80	23.60	1.202	0.05	0.447	0.537
	FR1 n26_Ant 1	20M	BPSK	50	0	Left Cheek	0mm	2	166300	831.5	22.62	23.60	1.253	0.17	0.421	0.528
	FR1 n26_Ant 1	20M	BPSK	1	53	Left Tilted	0mm	2	166300	831.5	22.80	23.60	1.202	-0.05	0.450	0.541
	FR1 n26_Ant 1	20M	BPSK	50	0	Left Tilted	0mm	2	166300	831.5	22.62	23.60	1.253	0.01	0.446	0.559
	FR1 n26_Ant 1	20M	BPSK	1	53	Right Cheek	0mm	3	166300	831.5	22.80	22.90	1.023	0	0.685	0.701
	FR1 n26_Ant 1	20M	BPSK	50	0	Right Cheek	0mm	3	166300	831.5	22.62	22.90	1.067	0.14	0.620	0.661
	FR1 n26_Ant 1	20M	BPSK	1	53	Right Tilted	0mm	3	166300	831.5	22.80	22.90	1.023	0.06	0.478	0.489
	FR1 n26_Ant 1	20M	BPSK	50	0	Right Tilted	0mm	3	166300	831.5	22.62	22.90	1.067	-0.17	0.455	0.485
	FR1 n26_Ant 1	20M	BPSK	1	53	Left Cheek	0mm	3	166300	831.5	22.80	22.90	1.023	0.05	0.447	0.457
	FR1 n26_Ant 1	20M	BPSK	50	0	Left Cheek	0mm	3	166300	831.5	22.62	22.90	1.067	0.17	0.421	0.449
	FR1 n26_Ant 1	20M	BPSK	1	53	Left Tilted	0mm	3	166300	831.5	22.80	22.90	1.023	-0.05	0.450	0.460
	FR1 n26_Ant 1	20M	BPSK	50	0	Left Tilted	0mm	3	166300	831.5	22.62	22.90	1.067	0.01	0.446	0.476
	FR1 n30_Ant 2	10M	BPSK	1	1	Right Cheek	0mm	2/3	462000	2310	24.00	24.60	1.148	-0.17	0.433	0.497
22	FR1 n30_Ant 2	10M	BPSK	25	14	Right Cheek	0mm	2/3	462000	2310	23.99	24.60	1.151	0.07	0.436	0.502
	FR1 n30_Ant 2	10M	BPSK	1	1	Right Tilted	0mm	2/3	462000	2310	24.00	24.60	1.148	0.17	0.116	0.133
	FR1 n30_Ant 2	10M	BPSK	25	14	Right Tilted	0mm	2/3	462000	2310	23.99	24.60	1.151	-0.05	0.120	0.138
	FR1 n30_Ant 2	10M	BPSK	1	1	Left Cheek	0mm	2/3	462000	2310	24.00	24.60	1.148	0.01	0.183	0.210
	FR1 n30_Ant 2	10M	BPSK	25	14	Left Cheek	0mm	2/3	462000	2310	23.99	24.60	1.151	0.1	0.192	0.221
	FR1 n30_Ant 2	10M	BPSK	1	1	Left Tilted	0mm	2/3	462000	2310	24.00	24.60	1.148	-0.17	0.168	0.193
	FR1 n30_Ant 2	10M	BPSK	25	14	Left Tilted	0mm	2/3	462000	2310	23.99	24.60	1.151	0.04	0.170	0.196
	FR1 n30_Ant 0	10M	BPSK	1	1	Right Cheek	0mm	2/3	462000	2310	23.24	24.60	1.368	-0.18	0.032	0.044
	FR1 n30_Ant 0	10M	BPSK	25	14	Right Cheek	0mm	2/3	462000	2310	23.23	24.60	1.371	0.06	0.030	0.041
	FR1 n30_Ant 0	10M	BPSK	1	1	Right Tilted	0mm	2/3	462000	2310	23.24	24.60	1.368	-0.09	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	25	14	Right Tilted	0mm	2/3	462000	2310	23.23	24.60	1.371	-0.08	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	1	1	Left Cheek	0mm	2/3	462000	2310	23.24	24.60	1.368	0.13	0.080	0.109
	FR1 n30_Ant 0	10M	BPSK	25	14	Left Cheek	0mm	2/3	462000	2310	23.23	24.60	1.371	0.01	0.082	0.112
	FR1 n30_Ant 0	10M	BPSK	1	1	Left Tilted	0mm	2/3	462000	2310	23.24	24.60	1.368	0.03	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	25	14	Left Tilted	0mm	2/3	462000	2310	23.23	24.60	1.371	0.18	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	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	2/3	518598	2592.99	24.04	25.00	1.247			0.11	0.569	0.710
	FR1 n41_Ant 2	100M	BPSK	135	69	Right Cheek	0mm	2/3	518598	2592.99	23.82	25.00	1.312			-0.08	0.540	0.709
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Tilted	0mm	2/3	518598	2592.99	24.04	25.00	1.247			-0.18	0.145	0.181
	FR1 n41_Ant 2	100M	BPSK	135	69	Right Tilted	0mm	2/3	518598	2592.99	23.82	25.00	1.312			0.1	0.142	0.186
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Cheek	0mm	2/3	518598	2592.99	24.04	25.00	1.247			0.14	0.269	0.336
	FR1 n41_Ant 2	100M	BPSK	135	69	Left Cheek	0mm	2/3	518598	2592.99	23.82	25.00	1.312			0.12	0.253	0.332
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Tilted	0mm	2/3	518598	2592.99	24.04	25.00	1.247			0.08	0.217	0.271
	FR1 n41_Ant 2	100M	BPSK	135	69	Left Tilted	0mm	2/3	518598	2592.99	23.82	25.00	1.312			-0.17	0.169	0.222
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Right Cheek	0mm	2/3	518598	2592.99	26.13	26.90	1.194	50	1.000	-0.03	0.441	0.527
	FR1 n41_Ant 0	100M	BPSK	1	1	Right Cheek	0mm	2/3	518598	2592.99	23.95	25.00	1.274			0.07	0.037	0.047
	FR1 n41_Ant 0	100M	BPSK	135	69	Right Cheek	0mm	2/3	518598	2592.99	23.68	25.00	1.355			0.14	0.001	0.001
	FR1 n41_Ant 0	100M	BPSK	1	1	Right Tilted	0mm	2/3	518598	2592.99	23.95	25.00	1.274			0.11	0.001	0.001
	FR1 n41_Ant 0	100M	BPSK	135	69	Right Tilted	0mm	2/3	518598	2592.99	23.68	25.00	1.355			-0.05	0.001	0.001
	FR1 n41_Ant 0	100M	BPSK	1	1	Left Cheek	0mm	2/3	518598	2592.99	23.95	25.00	1.274			-0.19	0.098	0.125
	FR1 n41_Ant 0	100M	BPSK	135	69	Left Cheek	0mm	2/3	518598	2592.99	23.68	25.00	1.355			0.18	0.086	0.117
	FR1 n41_Ant 0	100M	BPSK	1	1	Left Tilted	0mm	2/3	518598	2592.99	23.95	25.00	1.274			0.14	0.033	0.042
	FR1 n41_Ant 0	100M	BPSK	135	69	Left Tilted	0mm	2/3	518598	2592.99	23.68	25.00	1.355			-0.17	0.001	0.001
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Left Cheek	0mm	2/3	518598	2592.99	26.00	27.10	1.288	50	1.000	0.17	0.082	0.106
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	17.20	18.90	1.479			0.08	0.502	0.743
23	FR1 n41_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	2	518598	2592.99	17.11	18.90	1.510			0.06	0.575	0.868
	FR1 n41_Ant 1	100M	BPSK	270	0	Right Cheek	0mm	2	518598	2592.99	17.10	18.90	1.514			0.15	0.485	0.734
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	518598	2592.99	17.20	18.90	1.479			0.01	0.364	0.538
	FR1 n41_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	2	518598	2592.99	17.11	18.90	1.510			0.03	0.335	0.506
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	17.20	18.90	1.479			-0.08	0.096	0.142
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	2	518598	2592.99	17.11	18.90	1.510			-0.18	0.115	0.174
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	2	518598	2592.99	17.20	18.90	1.479			-0.08	0.097	0.143
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	2	518598	2592.99	17.11	18.90	1.510			0.1	0.097	0.146
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	20.31	21.90	1.442	50	1.000	-0.18	0.566	0.816
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	17.20	18.20	1.259			0.08	0.502	0.632
	FR1 n41_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	3	518598	2592.99	17.11	18.20	1.285			0.06	0.575	0.739
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	518598	2592.99	17.20	18.20	1.259			0.01	0.364	0.458
	FR1 n41_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	3	518598	2592.99	17.11	18.20	1.285			0.03	0.335	0.431
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	17.20	18.20	1.259			-0.08	0.096	0.121
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	3	518598	2592.99	17.11	18.20	1.285			-0.18	0.115	0.148
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	3	518598	2592.99	17.20	18.20	1.259			-0.08	0.097	0.122
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	3	518598	2592.99	17.11	18.20	1.285			0.1	0.097	0.125
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	20.31	21.20	1.227	50	1.000	-0.18	0.566	0.695
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	2	518598	2592.99	17.94	19.20	1.337			0.06	0.209	0.279
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	2	518598	2592.99	17.62	19.20	1.439			0.01	0.191	0.275
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	2	518598	2592.99	17.94	19.20	1.337			0.03	0.053	0.071
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	2	518598	2592.99	17.62	19.20	1.439			-0.08	0.049	0.071
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	17.94	19.20	1.337			0	0.567	0.758
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	2	518598	2592.99	17.62	19.20	1.439			-0.08	0.502	0.722
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	2	518598	2592.99	17.94	19.20	1.337			-0.18	0.105	0.140
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	2	518598	2592.99	17.62	19.20	1.439			0.1	0.111	0.160
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	518598	2592.99	20.36	22.20	1.528	50	1.000	0.12	0.464	0.709
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	3	518598	2592.99	17.94	18.50	1.138			0.06	0.209	0.238
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	3	518598	2592.99	17.62	18.50	1.225			0.01	0.191	0.234
	FR1 n41_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	3	518598	2592.99	17.94	18.50	1.138			0.03	0.053	0.060
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	3	518598	2592.99	17.62	18.50	1.225			-0.08	0.049	0.060
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	17.94	18.50	1.138			0	0.567	0.645

	FR1 n41_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	3	518598	2592.99	17.62	18.50	1.225			-0.08	0.502	0.615
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	3	518598	2592.99	17.94	18.50	1.138			-0.18	0.105	0.119
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	3	518598	2592.99	17.62	18.50	1.225			0.1	0.111	0.136
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	518598	2592.99	20.36	21.50	1.300	50	1.000	0.12	0.464	0.603
	FR1 n48_Ant 6	40M	BPSK	1	104	Right Cheek	0mm	2/3	641666	3624.99	20.15	21.00	1.216			-0.03	0.078	0.095
	FR1 n48_Ant 6	20M	BPSK	1	49	Right Cheek	0mm	2/3	641666	3624.99	24.08	25.00	1.236			-0.05	0.256	0.316
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Cheek	0mm	2/3	641666	3624.99	24.10	25.00	1.230			-0.16	0.201	0.247
	FR1 n48_Ant 6	40M	BPSK	1	104	Right Tilted	0mm	2/3	641666	3624.99	20.15	21.00	1.216			0.14	0.098	0.119
	FR1 n48_Ant 6	20M	BPSK	1	49	Right Tilted	0mm	2/3	641666	3624.99	24.08	25.00	1.236			-0.05	0.125	0.154
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Tilted	0mm	2/3	641666	3624.99	24.10	25.00	1.230			0.11	0.242	0.298
	FR1 n48_Ant 6	40M	BPSK	1	104	Left Cheek	0mm	2/3	641666	3624.99	20.15	21.00	1.216			-0.05	0.121	0.147
	FR1 n48_Ant 6	20M	BPSK	1	49	Left Cheek	0mm	2/3	641666	3624.99	24.08	25.00	1.236			0.11	0.318	0.393
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Cheek	0mm	2/3	641666	3624.99	24.10	25.00	1.230			0.18	0.305	0.375
	FR1 n48_Ant 6	40M	BPSK	1	104	Left Tilted	0mm	2/3	641666	3624.99	20.15	21.00	1.216			0.14	0.053	0.064
	FR1 n48_Ant 6	20M	BPSK	1	49	Left Tilted	0mm	2/3	641666	3624.99	24.08	25.00	1.236			0.1	0.137	0.169
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Tilted	0mm	2/3	641666	3624.99	24.10	25.00	1.230			-0.17	0.130	0.160
	FR1 n48_Ant 7	40M	BPSK	1	104	Right Cheek	0mm	2/3	641666	3624.99	19.15	20.00	1.216			0.01	0.139	0.169
	FR1 n48_Ant 7	20M	BPSK	1	49	Right Cheek	0mm	2/3	641666	3624.99	20.25	22.20	1.567			-0.15	0.165	0.259
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Cheek	0mm	2/3	641666	3624.985	20.27	22.20	1.560			0.03	0.173	0.270
	FR1 n48_Ant 7	40M	BPSK	1	104	Right Tilted	0mm	2/3	641666	3624.99	19.15	20.00	1.216			0.19	0.060	0.073
	FR1 n48_Ant 7	20M	BPSK	1	49	Right Tilted	0mm	2/3	641666	3624.99	20.25	22.20	1.567			0.07	0.070	0.110
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Tilted	0mm	2/3	641666	3624.99	20.27	22.20	1.560			-0.18	0.075	0.117
	FR1 n48_Ant 7	40M	BPSK	1	104	Left Cheek	0mm	2/3	641666	3624.99	19.15	20.00	1.216			0.03	0.083	0.101
	FR1 n48_Ant 7	20M	BPSK	1	49	Left Cheek	0mm	2/3	641666	3624.99	20.25	22.20	1.567			-0.15	0.092	0.144
	FR1 n48_Ant 7	40M	BPSK	50	25	Left Cheek	0mm	2/3	641666	3624.985	20.27	22.20	1.560			-0.02	0.102	0.159
	FR1 n48_Ant 7	40M	BPSK	1	104	Left Tilted	0mm	2/3	641666	3624.99	19.15	20.00	1.216			0.11	0.097	0.118
	FR1 n48_Ant 7	20M	BPSK	1	49	Left Tilted	0mm	2/3	641666	3624.99	20.25	22.20	1.567			-0.08	0.104	0.163
	FR1 n48_Ant 7	40M	BPSK	50	25	Left Tilted	0mm	2/3	641666	3624.99	20.27	22.20	1.560			-0.17	0.119	0.186
24	FR1 n48_Ant 1	40M	BPSK	1	104	Right Cheek	0mm	2	641666	3624.99	18.22	19.00	1.197			0.13	0.779	0.932
	FR1 n48_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	2	637334	3560.01	18.15	19.00	1.216			0.08	0.619	0.753
	FR1 n48_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	2	646000	3690	18.26	19.00	1.186			0.01	0.728	0.863
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	2	641666	3624.99	18.16	19.00	1.213			0.03	0.767	0.931
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Cheek	0mm	2	637334	3560.01	18.11	19.00	1.227			-0.08	0.517	0.635
	FR1 n48_Ant 1	30M	BPSK	36	18	Right Cheek	0mm	2	645666	3684.99	18.29	19.00	1.178			-0.08	0.692	0.815
	FR1 n48_Ant 1	40M	BPSK	100	0	Right Cheek	0mm	2	641666	3624.99	18.18	19.00	1.208			0.1	0.746	0.901
	FR1 n48_Ant 1	40M	BPSK	1	104	Right Tilted	0mm	2	641666	3624.99	18.22	19.00	1.197			-0.18	0.427	0.511
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	2	641666	3624.99	18.16	19.00	1.213			0.1	0.414	0.502
	FR1 n48_Ant 1	40M	BPSK	1	104	Left Cheek	0mm	2	641666	3624.99	18.22	19.00	1.197			-0.05	0.604	0.723
	FR1 n48_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	2	637334	3560.01	18.15	19.00	1.216			0.04	0.555	0.675
	FR1 n48_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	2	646000	3690	18.26	19.00	1.186			0.09	0.541	0.642
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Cheek	0mm	2	641666	3624.99	18.16	19.00	1.213			0.12	0.590	0.716
	FR1 n48_Ant 1	20M	BPSK	25	12	Left Cheek	0mm	2	637334	3560.01	18.11	19.00	1.227			0.05	0.577	0.708
	FR1 n48_Ant 1	30M	BPSK	36	18	Left Cheek	0mm	2	645666	3684.99	18.29	19.00	1.178			0.04	0.559	0.658
	FR1 n48_Ant 1	40M	BPSK	1	104	Left Tilted	0mm	2	641666	3624.99	18.22	19.00	1.197			0.08	0.416	0.498
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Tilted	0mm	2	641666	3624.99	18.16	19.00	1.213			-0.17	0.398	0.483
	FR1 n48_Ant 1	40M	BPSK	1	104	Right Cheek	0mm	3	641666	3624.99	18.22	18.30	1.019			0.13	0.779	0.793
	FR1 n48_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	3	637334	3560.01	18.15	18.30	1.035			0.08	0.619	0.641
	FR1 n48_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	3	646000	3690	18.26	18.30	1.009			0.01	0.728	0.735
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Cheek	0mm	3	641666	3624.99	18.16	18.30	1.033			0.03	0.767	0.792
	FR1 n48_Ant 1	20M	BPSK	25	12	Right Cheek	0mm	3	637334	3560.01	18.11	18.30	1.045			-0.08	0.517	0.540
	FR1 n48_Ant 1	30M	BPSK	36	18	Right Cheek	0mm	3	645666	3684.99	18.29	18.30	1.002			-0.08	0.692	0.694
	FR1 n48_Ant 1	40M	BPSK	1	104	Right Tilted	0mm	3	641666	3624.99	18.22	18.30	1.019			-0.18	0.427	0.435
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Tilted	0mm	3	641666	3624.99	18.16	18.30	1.033			0.1	0.414	0.428
	FR1 n48_Ant 1	40M	BPSK	1	104	Left Cheek	0mm	3	641666	3624.99	18.22	18.30	1.019			-0.05	0.604	0.615
	FR1 n48_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	3	637334	3560.01	18.15	18.30	1.035			0.04	0.555	0.575
	FR1 n48_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	3	646000	3690	18.26	18.30	1.009			0.09	0.541	0.546

	FR1 n48_Ant 1	40M	BPSK	50	25	Left Cheek	0mm	3	641666	3624.99	18.16	18.30	1.033			0.12	0.590	0.609
	FR1 n48_Ant 1	20M	BPSK	25	12	Left Cheek	0mm	3	637334	3560.01	18.11	18.30	1.045			0.05	0.577	0.603
	FR1 n48_Ant 1	30M	BPSK	36	18	Left Cheek	0mm	3	645666	3684.99	18.29	18.30	1.002			0.04	0.559	0.560
	FR1 n48_Ant 1	40M	BPSK	1	104	Left Tilted	0mm	3	641666	3624.99	18.22	18.30	1.019			0.08	0.416	0.424
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Tilted	0mm	3	641666	3624.99	18.16	18.30	1.033			-0.17	0.398	0.411
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	2	641666	3624.99	19.07	20.50	1.390			0.08	0.342	0.475
	FR1 n48_Ant 5	20M	BPSK	1	1	Right Cheek	0mm	2	641666	3624.99	19.84	20.80	1.247			0.02	0.415	0.518
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Cheek	0mm	2	641666	3624.99	19.83	20.80	1.250			0.01	0.403	0.504
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	2	641666	3624.99	19.07	20.50	1.390			0.03	0.342	0.475
	FR1 n48_Ant 5	20M	BPSK	1	1	Right Tilted	0mm	2	641666	3624.99	19.84	20.80	1.247			-0.08	0.404	0.504
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Tilted	0mm	2	641666	3624.99	19.83	20.80	1.250			-0.08	0.387	0.484
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	2	641666	3624.99	19.07	20.50	1.390			0.1	0.586	0.815
	FR1 n48_Ant 5	20M	BPSK	1	1	Left Cheek	0mm	2	641666	3624.99	19.84	20.80	1.247			-0.13	0.728	0.908
	FR1 n48_Ant 5	20M	BPSK	1	49	Left Cheek	0mm	2	637334	3560.01	19.79	20.80	1.262			-0.18	0.604	0.762
	FR1 n48_Ant 5	20M	BPSK	1	1	Left Cheek	0mm	2	646000	3690	19.81	20.80	1.256			0.1	0.716	0.899
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	2	641666	3624.99	19.83	20.80	1.250			0.12	0.713	0.891
	FR1 n48_Ant 5	20M	BPSK	25	12	Left Cheek	0mm	2	637334	3560.01	19.80	20.80	1.259			0.08	0.614	0.773
	FR1 n48_Ant 5	30M	BPSK	36	18	Left Cheek	0mm	2	645666	3684.99	19.81	20.80	1.256			-0.17	0.703	0.883
	FR1 n48_Ant 5	20M	BPSK	50	0	Left Cheek	0mm	2	641666	3624.99	19.80	20.80	1.259			-0.03	0.674	0.849
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	2	641666	3624.99	19.07	20.50	1.390			0.14	0.317	0.441
	FR1 n48_Ant 5	20M	BPSK	1	1	Left Tilted	0mm	2	641666	3624.99	19.84	20.80	1.247			0.11	0.385	0.480
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Tilted	0mm	2	641666	3624.99	19.83	20.80	1.250			-0.05	0.376	0.470
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	3	641666	3624.99	19.07	19.60	1.130			0.17	0.268	0.303
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Cheek	0mm	3	641666	3624.99	18.84	19.60	1.191			0.18	0.248	0.295
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	3	641666	3624.99	19.07	19.60	1.130			0.14	0.238	0.269
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Tilted	0mm	3	641666	3624.99	18.84	19.60	1.191			-0.17	0.225	0.268
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	3	641666	3624.99	19.07	19.60	1.130			0.11	0.543	0.613
	FR1 n48_Ant 5	20M	BPSK	1	49	Left Cheek	0mm	3	637334	3560.01	18.81	19.60	1.199			0.17	0.505	0.606
	FR1 n48_Ant 5	20M	BPSK	1	1	Left Cheek	0mm	3	646000	3690	18.81	19.60	1.199			-0.05	0.514	0.617
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Cheek	0mm	3	641666	3624.99	18.80	19.60	1.202			0.01	0.517	0.622
	FR1 n48_Ant 5	20M	BPSK	25	12	Left Cheek	0mm	3	637334	3560.01	18.80	19.60	1.202			0.1	0.505	0.607
	FR1 n48_Ant 5	30M	BPSK	36	18	Left Cheek	0mm	3	645666	3684.99	18.81	19.60	1.199			-0.17	0.515	0.618
	FR1 n48_Ant 5	20M	BPSK	50	0	Left Cheek	0mm	3	641666	3624.99	18.80	19.60	1.202			0.04	0.504	0.606
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	3	641666	3624.99	19.07	19.60	1.130			-0.01	0.293	0.331
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Tilted	0mm	3	641666	3624.99	18.84	19.60	1.191			-0.08	0.266	0.317

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	24.01	25.00	1.256	0.08	0.253	0.318
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Cheek	0mm	2/3	349000	1745	24.00	25.00	1.259	0.12	0.270	0.340
	FR1 n66_Ant 2	40M	BPSK	1	1	Right Tilted	0mm	2/3	349000	1745	24.01	25.00	1.256	0.01	0.115	0.144
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Tilted	0mm	2/3	349000	1745	24.00	25.00	1.259	0.03	0.126	0.159
	FR1 n66_Ant 2	40M	BPSK	1	1	Left Cheek	0mm	2/3	349000	1745	24.01	25.00	1.256	-0.08	0.070	0.088
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Cheek	0mm	2/3	349000	1745	24.00	25.00	1.259	-0.16	0.075	0.094
	FR1 n66_Ant 2	40M	BPSK	1	1	Left Tilted	0mm	2/3	349000	1745	24.01	25.00	1.256	0.1	0.100	0.126
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Tilted	0mm	2/3	349000	1745	24.00	25.00	1.259	-0.18	0.106	0.133
	FR1 n66_Ant 0	40M	BPSK	1	1	Right Cheek	0mm	2/3	349000	1745	23.60	24.70	1.288	0.12	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Cheek	0mm	2/3	349000	1745	23.62	24.70	1.282	0.08	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	1	1	Right Tilted	0mm	2/3	349000	1745	23.60	24.70	1.288	-0.17	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Tilted	0mm	2/3	349000	1745	23.62	24.70	1.282	-0.03	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	1	1	Left Cheek	0mm	2/3	349000	1745	23.60	24.70	1.288	-0.19	0.053	0.068
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Cheek	0mm	2/3	349000	1745	23.62	24.70	1.282	0.14	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	1	1	Left Tilted	0mm	2/3	349000	1745	23.60	24.70	1.288	0.11	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Tilted	0mm	2/3	349000	1745	23.62	24.70	1.282	-0.05	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	2	349000	1745	16.92	18.50	1.439	0.08	0.671	0.965
	FR1 n66_Ant 1	40M	BPSK	108	54	Right Cheek	0mm	2	349000	1745	16.89	18.50	1.449	-0.02	0.673	0.975
	FR1 n66_Ant 1	40M	BPSK	216	0	Right Cheek	0mm	2	349000	1745	16.88	18.50	1.452	0.05	0.536	0.778
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	2	349000	1745	16.92	18.50	1.439	0.01	0.643	0.925
25	FR1 n66_Ant 1	40M	BPSK	108	54	Right Tilted	0mm	2	349000	1745	16.89	18.50	1.449	0.01	0.684	0.991
	FR1 n66_Ant 1	40M	BPSK	216	0	Right Tilted	0mm	2	349000	1745	16.88	18.50	1.452	0.09	0.549	0.797
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	2	349000	1745	16.92	18.50	1.439	0.03	0.264	0.380
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Cheek	0mm	2	349000	1745	16.89	18.50	1.449	-0.03	0.270	0.391
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	2	349000	1745	16.92	18.50	1.439	-0.08	0.287	0.413
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Tilted	0mm	2	349000	1745	16.89	18.50	1.449	-0.08	0.294	0.426
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Cheek	0mm	3	349000	1745	16.92	17.30	1.091	0.08	0.671	0.732
	FR1 n66_Ant 1	40M	BPSK	108	54	Right Cheek	0mm	3	349000	1745	16.89	17.30	1.099	-0.02	0.673	0.740
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Tilted	0mm	3	349000	1745	16.92	17.30	1.091	0.01	0.643	0.702
	FR1 n66_Ant 1	40M	BPSK	108	54	Right Tilted	0mm	3	349000	1745	16.89	17.30	1.099	0.01	0.684	0.752
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Cheek	0mm	3	349000	1745	16.92	17.30	1.091	0.03	0.264	0.288
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Cheek	0mm	3	349000	1745	16.89	17.30	1.099	-0.03	0.270	0.297
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Tilted	0mm	3	349000	1745	16.92	17.30	1.091	-0.08	0.287	0.313
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Tilted	0mm	3	349000	1745	16.89	17.30	1.099	-0.08	0.294	0.323
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	2	349000	1745	19.42	20.40	1.253	0.12	0.319	0.400
	FR1 n66_Ant 5	40M	BPSK	108	54	Right Cheek	0mm	2	349000	1745	19.39	20.40	1.262	0	0.361	0.456
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	2	349000	1745	19.42	20.40	1.253	0.08	0.129	0.162
	FR1 n66_Ant 5	40M	BPSK	108	54	Right Tilted	0mm	2	349000	1745	19.39	20.40	1.262	-0.17	0.137	0.173
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	2	349000	1745	19.42	20.40	1.253	-0.03	0.703	0.881
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Cheek	0mm	2	349000	1745	19.39	20.40	1.262	0	0.773	0.975
	FR1 n66_Ant 5	40M	BPSK	216	0	Left Cheek	0mm	2	349000	1745	19.37	20.40	1.268	-0.15	0.620	0.786
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	2	349000	1745	19.42	20.40	1.253	0.14	0.122	0.153
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Tilted	0mm	2	349000	1745	19.39	20.40	1.262	0.11	0.138	0.174
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Cheek	0mm	3	349000	1745	18.40	19.20	1.202	0.12	0.214	0.257
	FR1 n66_Ant 5	40M	BPSK	108	54	Right Cheek	0mm	3	349000	1745	18.38	19.20	1.208	0.03	0.243	0.293
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Tilted	0mm	3	349000	1745	18.40	19.20	1.202	0.18	0.086	0.103
	FR1 n66_Ant 5	40M	BPSK	108	54	Right Tilted	0mm	3	349000	1745	18.38	19.20	1.208	0.16	0.092	0.111
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Cheek	0mm	3	349000	1745	18.40	19.20	1.202	-0.1	0.473	0.569
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Cheek	0mm	3	349000	1745	18.38	19.20	1.208	0.01	0.521	0.629
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Tilted	0mm	3	349000	1745	18.40	19.20	1.202	-0.1	0.082	0.099
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Tilted	0mm	3	349000	1745	18.38	19.20	1.208	0.01	0.092	0.111

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	Right Cheek	0mm	2/3	340500	1702.5	23.63	24.70	1.279	0.08	0.227	0.290
26	FR1 n70_Ant 2	15M	BPSK	36	22	Right Cheek	0mm	2/3	340500	1702.5	23.56	24.70	1.300	0.11	0.237	0.308
	FR1 n70_Ant 2	15M	BPSK	1	1	Right Tilted	0mm	2/3	340500	1702.5	23.63	24.70	1.279	0.03	0.111	0.142
	FR1 n70_Ant 2	15M	BPSK	36	22	Right Tilted	0mm	2/3	340500	1702.5	23.56	24.70	1.300	-0.08	0.117	0.152
	FR1 n70_Ant 2	15M	BPSK	1	1	Left Cheek	0mm	2/3	340500	1702.5	23.63	24.70	1.279	0.01	0.079	0.101
	FR1 n70_Ant 2	15M	BPSK	36	22	Left Cheek	0mm	2/3	340500	1702.5	23.56	24.70	1.300	0.1	0.076	0.099
	FR1 n70_Ant 2	15M	BPSK	1	1	Left Tilted	0mm	2/3	340500	1702.5	23.63	24.70	1.279	-0.18	0.070	0.090
	FR1 n70_Ant 2	15M	BPSK	36	22	Left Tilted	0mm	2/3	340500	1702.5	23.56	24.70	1.300	0.1	0.075	0.098
	FR1 n70_Ant 0	15M	BPSK	1	1	Right Cheek	0mm	2/3	340500	1702.5	23.23	24.40	1.309	0.08	0.056	0.073
	FR1 n70_Ant 0	15M	BPSK	36	22	Right Cheek	0mm	2/3	340500	1702.5	23.22	24.40	1.312	0.11	0.060	0.079
	FR1 n70_Ant 0	15M	BPSK	1	1	Right Tilted	0mm	2/3	340500	1702.5	23.23	24.40	1.309	-0.03	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	36	22	Right Tilted	0mm	2/3	340500	1702.5	23.22	24.40	1.312	0.14	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	1	1	Left Cheek	0mm	2/3	340500	1702.5	23.23	24.40	1.309	0.11	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	36	22	Left Cheek	0mm	2/3	340500	1702.5	23.22	24.40	1.312	-0.05	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	1	1	Left Tilted	0mm	2/3	340500	1702.5	23.23	24.40	1.309	0.18	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	36	22	Left Tilted	0mm	2/3	340500	1702.5	23.22	24.40	1.312	0.14	0.001	0.001
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Cheek	0mm	2/3	136100	680.5	24.35	25.00	1.161	-0.05	0.108	0.125
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Cheek	0mm	2/3	136100	680.5	24.34	25.00	1.164	0.19	0.118	0.137
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Tilted	0mm	2/3	136100	680.5	24.35	25.00	1.161	0.14	0.002	0.002
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Tilted	0mm	2/3	136100	680.5	24.34	25.00	1.164	-0.17	0.002	0.002
	FR1 n71_Ant 0	20M	BPSK	1	1	Left Cheek	0mm	2/3	136100	680.5	24.35	25.00	1.161	-0.06	0.120	0.139
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Cheek	0mm	2/3	136100	680.5	24.34	25.00	1.164	0.17	0.118	0.137
	FR1 n71_Ant 0	20M	BPSK	1	1	Left Tilted	0mm	2/3	136100	680.5	24.35	25.00	1.161	-0.05	0.059	0.069
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Tilted	0mm	2/3	136100	680.5	24.34	25.00	1.164	0.01	0.056	0.065
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	2	136100	680.5	22.96	24.20	1.330	0.08	0.679	0.903
27	FR1 n71_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	2	136100	680.5	23.00	24.20	1.318	0	0.747	0.985
	FR1 n71_Ant 1	20M	BPSK	100	0	Right Cheek	0mm	2	136100	680.5	23.00	24.20	1.318	0.01	0.730	0.962
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	2	136100	680.5	22.96	24.20	1.330	0.03	0.538	0.716
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	2	136100	680.5	23.00	24.20	1.318	0.04	0.583	0.769
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	2	136100	680.5	22.96	24.20	1.330	0.1	0.355	0.472
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	2	136100	680.5	23.00	24.20	1.318	0	0.418	0.551
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	2	136100	680.5	22.96	24.20	1.330	0.1	0.340	0.452
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	2	136100	680.5	23.00	24.20	1.318	0.12	0.395	0.521
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Cheek	0mm	3	136100	680.5	22.96	23.00	1.009	0.08	0.679	0.685
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Cheek	0mm	3	136100	680.5	23.00	23.00	1.000	0	0.747	0.747
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Tilted	0mm	3	136100	680.5	22.96	23.00	1.009	0.03	0.538	0.543
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Tilted	0mm	3	136100	680.5	23.00	23.00	1.000	0.04	0.583	0.583
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Cheek	0mm	3	136100	680.5	22.96	23.00	1.009	0.1	0.355	0.358
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Cheek	0mm	3	136100	680.5	23.00	23.00	1.000	0	0.418	0.418
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Tilted	0mm	3	136100	680.5	22.96	23.00	1.009	0.1	0.340	0.343
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Tilted	0mm	3	136100	680.5	23.00	23.00	1.000	0.12	0.395	0.395

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)
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	2/3	656000	3840	24.16	25.00	1.213			0.16	0.256	0.311
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	2/3	656000	3840	24.03	25.00	1.250			0.08	0.237	0.296
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	2/3	656000	3840	24.16	25.00	1.213			0.01	0.318	0.386
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	2/3	656000	3840	24.03	25.00	1.250			0.03	0.263	0.329
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2/3	656000	3840	24.16	25.00	1.213			-0.07	0.371	0.450
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	2/3	656000	3840	24.03	25.00	1.250			-0.08	0.324	0.405
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	2/3	656000	3840	24.16	25.00	1.213			-0.08	0.176	0.214
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	2/3	656000	3840	24.03	25.00	1.250			0.1	0.157	0.196
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2/3	656000	3840	26.12	27.10	1.253	50	1.000	-0.18	0.296	0.371
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Cheek	0mm	2/3	633332	3499.98	24.02	25.00	1.253			0	0.193	0.242
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Cheek	0mm	2/3	633332	3499.98	23.90	25.00	1.288			-0.05	0.187	0.241
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Tilted	0mm	2/3	633332	3499.98	24.02	25.00	1.253			0.18	0.219	0.274
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Tilted	0mm	2/3	633332	3499.98	23.90	25.00	1.288			0.14	0.216	0.278
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2/3	633332	3499.98	24.02	25.00	1.253			0.17	0.343	0.430
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Cheek	0mm	2/3	633332	3499.98	23.90	25.00	1.288			-0.17	0.327	0.421
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Tilted	0mm	2/3	633332	3499.98	24.02	25.00	1.253			0.17	0.160	0.201
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Tilted	0mm	2/3	633332	3499.98	23.90	25.00	1.288			-0.05	0.161	0.207
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Cheek	0mm	2/3	633332	3499.98	26.05	27.10	1.274	50	1.000	0.01	0.279	0.355
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	23.27	24.40	1.297			-0.04	0.405	0.525
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	23.08	24.40	1.355			0.1	0.330	0.447
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	23.27	24.40	1.297			0.12	0.181	0.235
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	23.08	24.40	1.355			0.08	0.144	0.195
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	23.27	24.40	1.297			-0.19	0.260	0.337
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	23.08	24.40	1.355			-0.17	0.205	0.278
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	23.27	24.40	1.297			-0.03	0.309	0.401
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	23.08	24.40	1.355			0.14	0.246	0.333
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	25.31	26.70	1.377	50	1.000	0.11	0.325	0.448
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	23.27	23.50	1.054			-0.04	0.405	0.427
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	23.08	23.50	1.102			0.1	0.330	0.364
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	23.27	23.50	1.054			0.12	0.181	0.191
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	23.08	23.50	1.102			0.08	0.144	0.159
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	23.27	23.50	1.054			-0.19	0.260	0.274
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	23.08	23.50	1.102			-0.17	0.205	0.226
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	23.27	23.50	1.054			-0.03	0.309	0.326
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	23.08	23.50	1.102			0.14	0.246	0.271
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	25.31	26.60	1.346	50	1.000	0.11	0.315	0.424
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	23.38	24.40	1.265			0.1	0.565	0.715
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	2	633332	3499.98	23.22	24.40	1.312			-0.18	0.577	0.757
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	23.38	24.40	1.265			0.04	0.237	0.300
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	2	633332	3499.98	23.22	24.40	1.312			-0.01	0.230	0.302
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	23.38	24.40	1.265			-0.08	0.346	0.438
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	2	633332	3499.98	23.22	24.40	1.312			-0.11	0.368	0.483
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	23.38	24.40	1.265			0.05	0.411	0.520
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	2	633332	3499.98	23.22	24.40	1.312			0.06	0.439	0.576
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	25.39	26.70	1.352	50	1.000	-0.09	0.463	0.626
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	23.38	23.50	1.028			0.1	0.565	0.581
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Cheek	0mm	3	633332	3499.98	23.22	23.50	1.067			-0.18	0.577	0.615
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	23.38	23.50	1.028			0.04	0.237	0.244
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Tilted	0mm	3	633332	3499.98	23.22	23.50	1.067			-0.01	0.230	0.245
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	23.38	23.50	1.028			-0.08	0.346	0.356
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Cheek	0mm	3	633332	3499.98	23.22	23.50	1.067			-0.11	0.368	0.393

	FR1 n77_Ant 7	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	23.38	23.50	1.028			0.05	0.411	0.423
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Tilted	0mm	3	633332	3499.98	23.22	23.50	1.067			0.06	0.439	0.468
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	25.39	26.60	1.321	50	1.000	-0.09	0.463	0.612
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	15.03	16.40	1.371			0.08	0.467	0.640
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	14.79	16.40	1.449			0	0.435	0.630
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	15.03	16.40	1.371			-0.01	0.413	0.566
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	14.79	16.40	1.449			0.01	0.355	0.514
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	15.03	16.40	1.371			0.04	0.243	0.333
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	14.79	16.40	1.449			0.08	0.227	0.329
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	15.03	16.40	1.371			-0.08	0.224	0.307
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	14.79	16.40	1.449			0.1	0.207	0.300
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	18.14	19.60	1.400	50	1.000	-0.18	0.448	0.627
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	15.03	15.70	1.167			0.08	0.467	0.545
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	14.79	15.70	1.233			0	0.435	0.536
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	15.03	15.70	1.167			-0.01	0.413	0.482
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	14.79	15.70	1.233			0.01	0.355	0.438
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	15.03	15.70	1.167			0.04	0.243	0.284
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	14.79	15.70	1.233			0.08	0.227	0.280
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	15.03	15.70	1.167			-0.08	0.224	0.261
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	14.79	15.70	1.233			0.1	0.207	0.255
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	18.14	18.90	1.191	50	1.000	-0.18	0.448	0.534
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	15.09	16.40	1.352			0	0.641	0.867
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	2	633332	3499.98	14.94	16.40	1.400			0.01	0.527	0.738
	FR1 n77_Ant 1	100M	BPSK	270	0	Right Cheek	0mm	2	633332	3499.98	14.91	16.40	1.409			0.03	0.493	0.695
28	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	15.09	16.40	1.352			0.06	0.661	0.894
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	2	633332	3499.98	14.94	16.40	1.400			-0.08	0.541	0.757
	FR1 n77_Ant 1	100M	BPSK	270	0	Right Tilted	0mm	2	633332	3499.98	14.91	16.40	1.409			-0.08	0.509	0.717
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	15.09	16.40	1.352			-0.16	0.399	0.539
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	2	633332	3499.98	14.94	16.40	1.400			-0.18	0.384	0.537
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	15.09	16.40	1.352			0.1	0.425	0.575
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	2	633332	3499.98	14.94	16.40	1.400			0.12	0.404	0.565
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	18.07	19.60	1.422	50	1.000	0.08	0.621	0.883
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	15.09	15.70	1.151			0	0.641	0.738
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Cheek	0mm	3	633332	3499.98	14.94	15.70	1.191			0.01	0.527	0.628
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	15.09	15.70	1.151			0.06	0.661	0.761
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Tilted	0mm	3	633332	3499.98	14.94	15.70	1.191			-0.08	0.541	0.644
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	15.09	15.70	1.151			-0.16	0.399	0.459
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Cheek	0mm	3	633332	3499.98	14.94	15.70	1.191			-0.18	0.384	0.457
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	15.09	15.70	1.151			0.1	0.425	0.489
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Tilted	0mm	3	633332	3499.98	14.94	15.70	1.191			0.12	0.404	0.481
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	18.07	18.90	1.211	50	1.000	0.08	0.621	0.752
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	2	656000	3840	18.51	19.50	1.256			0.08	0.136	0.171
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	2	656000	3840	18.39	19.50	1.291			0.05	0.158	0.204
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	2	656000	3840	18.51	19.50	1.256			0.01	0.159	0.200
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	2	656000	3840	18.39	19.50	1.291			0.03	0.115	0.148
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	18.51	19.50	1.256			-0.08	0.660	0.829
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	2	656000	3840	18.39	19.50	1.291			-0.12	0.676	0.873
	FR1 n77_Ant 5	100M	BPSK	270	0	Left Cheek	0mm	2	656000	3840	18.44	19.50	1.276			-0.12	0.623	0.795
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	2	656000	3840	18.51	19.50	1.256			-0.08	0.400	0.502
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	2	656000	3840	18.39	19.50	1.291			0.1	0.339	0.438
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	656000	3840	21.51	22.70	1.315	50	1.000	-0.18	0.643	0.846
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	3	656000	3840	17.45	18.40	1.245			0.19	0.078	0.097
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	3	656000	3840	17.32	18.40	1.282			0.07	0.090	0.115
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	3	656000	3840	17.45	18.40	1.245			-0.18	0.091	0.113
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	3	656000	3840	17.32	18.40	1.282			0.03	0.066	0.085

	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	17.45	18.40	1.245			-0.15	0.380	0.473
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	3	656000	3840	17.32	18.40	1.282			-0.02	0.388	0.498
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	3	656000	3840	17.45	18.40	1.245			0.11	0.230	0.286
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	3	656000	3840	17.32	18.40	1.282			-0.08	0.195	0.250
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	656000	3840	21.51	21.60	1.021	50	1.000	-0.18	0.363	0.371
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	2	633332	3499.98	18.64	19.50	1.219			0.1	0.111	0.135
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	2	633332	3499.98	18.34	19.50	1.306			-0.19	0.139	0.182
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	2	633332	3499.98	18.64	19.50	1.219			0.12	0.109	0.133
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	2	633332	3499.98	18.34	19.50	1.306			0.08	0.150	0.196
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	18.64	19.50	1.219			-0.17	0.229	0.279
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	2	633332	3499.98	18.34	19.50	1.306			0.04	0.324	0.423
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	2	633332	3499.98	18.64	19.50	1.219			-0.03	0.124	0.151
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	2	633332	3499.98	18.34	19.50	1.306			0.14	0.144	0.188
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	2	633332	3499.98	21.60	22.70	1.288	50	1.000	0.11	0.255	0.329
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Cheek	0mm	3	633332	3499.98	17.61	18.40	1.199			-0.08	0.100	0.120
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Cheek	0mm	3	633332	3499.98	17.33	18.40	1.279			-0.04	0.124	0.159
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Tilted	0mm	3	633332	3499.98	17.61	18.40	1.199			-0.08	0.097	0.116
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Tilted	0mm	3	633332	3499.98	17.33	18.40	1.279			0.17	0.134	0.171
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	17.61	18.40	1.199			0.18	0.205	0.246
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Cheek	0mm	3	633332	3499.98	17.33	18.40	1.279			0.15	0.291	0.372
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Tilted	0mm	3	633332	3499.98	17.61	18.40	1.199			-0.08	0.111	0.133
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Tilted	0mm	3	633332	3499.98	17.33	18.40	1.279			-0.13	0.128	0.164
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Left Cheek	0mm	3	633332	3499.98	21.60	21.60	1.000	50	1.000	0.11	0.255	0.255

<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)
29	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	1	6	2437	17.36	17.50	1.033	100	1.000	0.02	0.727	0.751
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	1	6	2437	17.36	17.50	1.033	100	1.000	-0.09	0.138	0.143
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	1	6	2437	17.36	17.50	1.033	100	1.000	-0.04	0.294	0.304
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	1	6	2437	17.36	17.50	1.033	100	1.000	0.08	0.075	0.077
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	1	11	2462	17.28	17.50	1.052	100	1.000	0.02	0.101	0.106
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	1	11	2462	17.28	17.50	1.052	100	1.000	0.03	0.119	0.125
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	1	11	2462	17.28	17.50	1.052	100	1.000	0.07	0.459	0.483
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	11	2462	17.28	17.50	1.052	100	1.000	0.01	0.257	0.270
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3+4(3)	1	1	2412	16.49	17.50	1.262	100	1.000	-0.1	0.557	0.703
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3+4(4)	1	1	2412	17.48	17.50	1.005	100	1.000	-0.1	0.105	0.105
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3+4(3)	1	1	2412	16.49	17.50	1.262	100	1.000	0.04	0.326	0.411
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3+4(4)	1	1	2412	17.48	17.50	1.005	100	1.000	0.04	0.087	0.087
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+4(3)	1	1	2412	16.49	17.50	1.262	100	1.000	0.12	0.193	0.244
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+4(4)	1	1	2412	17.48	17.50	1.005	100	1.000	0.12	0.479	0.481
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+4(3)	1	1	2412	16.49	17.50	1.262	100	1.000	0.18	0.159	0.201
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+4(4)	1	1	2412	17.48	17.50	1.005	100	1.000	0.18	0.311	0.312
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	2	6	2437	12.28	12.50	1.052	100	1.000	0.12	0.194	0.204
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	2	6	2437	12.28	12.50	1.052	100	1.000	0.13	0.039	0.041
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	2	6	2437	12.28	12.50	1.052	100	1.000	0.02	0.066	0.069
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	2	6	2437	12.28	12.50	1.052	100	1.000	0.13	0.016	0.017
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	2	11	2462	12.39	12.50	1.026	100	1.000	0.13	0.030	0.031
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	2	11	2462	12.39	12.50	1.026	100	1.000	0	0.034	0.035
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	2	11	2462	12.39	12.50	1.026	100	1.000	-0.12	0.144	0.148
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	2	11	2462	12.39	12.50	1.026	100	1.000	-0.12	0.081	0.083
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3+4(3)	2	11	2462	11.61	12.50	1.227	100	1.000	0.15	0.129	0.158
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3+4(4)	2	11	2462	12.44	12.50	1.014	100	1.000	0.15	0.024	0.024
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3+4(3)	2	11	2462	11.61	12.50	1.227	100	1.000	0.14	0.069	0.085
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3+4(4)	2	11	2462	12.44	12.50	1.014	100	1.000	0.14	0.022	0.022
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+4(3)	2	11	2462	11.61	12.50	1.227	100	1.000	0.18	0.040	0.049
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3+4(4)	2	11	2462	12.44	12.50	1.014	100	1.000	0.18	0.129	0.131
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+4(3)	2	11	2462	11.61	12.50	1.227	100	1.000	0.17	0.035	0.043
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3+4(4)	2	11	2462	12.44	12.50	1.014	100	1.000	0.17	0.076	0.077

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 3+4(3)	1	62	5310	14.49	15.00	1.125	98.92	1.011	-0.19	0.397	0.451
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 3+4(4)	1	62	5310	13.65	15.00	1.365	98.92	1.011	-0.19	0.068	0.094
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 3+4(3)	1	62	5310	14.49	15.00	1.125	98.92	1.011	0.09	0.205	0.233
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 3+4(4)	1	62	5310	13.65	15.00	1.365	98.92	1.011	0.09	0.082	0.113
30	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 3+4(3)	1	62	5310	14.49	15.00	1.125	98.92	1.011	0.11	0.144	0.164
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 3+4(4)	1	62	5310	13.65	15.00	1.365	98.92	1.011	0.11	0.575	0.793
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 3+4(3)	1	62	5310	14.49	15.00	1.125	98.92	1.011	0.04	0.042	0.048
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 3+4(4)	1	62	5310	13.65	15.00	1.365	98.92	1.011	0.04	0.252	0.348
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	2	50	5250	9.70	10.50	1.202	95.75	1.044	-0.17	0.175	0.220
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	2	50	5250	10.49	10.50	1.002	95.75	1.044	-0.17	0.032	0.033
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	2	50	5250	9.70	10.50	1.202	95.75	1.044	-0.04	0.090	0.113
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	2	50	5250	10.49	10.50	1.002	95.75	1.044	-0.04	0.034	0.036
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	2	50	5250	9.70	10.50	1.202	95.75	1.044	0.13	0.041	0.051
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	2	50	5250	10.49	10.50	1.002	95.75	1.044	0.13	0.185	0.194
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	2	50	5250	9.70	10.50	1.202	95.75	1.044	-0.05	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	2	50	5250	10.49	10.50	1.002	95.75	1.044	-0.05	0.100	0.105
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(3)	1	122	5610	13.90	15.50	1.445	97.76	1.023	0.07	0.385	0.569
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(4)	1	122	5610	15.00	15.50	1.122	97.76	1.023	0.07	0.128	0.147
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(3)	1	122	5610	13.90	15.50	1.445	97.76	1.023	0.09	0.151	0.223
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(4)	1	122	5610	15.00	15.50	1.122	97.76	1.023	0.09	0.130	0.149
31	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(3)	1	122	5610	13.90	15.50	1.445	97.76	1.023	-0.06	0.097	0.143
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(4)	1	122	5610	15.00	15.50	1.122	97.76	1.023	-0.06	0.647	0.743
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(3)	1	122	5610	13.90	15.50	1.445	97.76	1.023	-0.05	0.023	0.034
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(4)	1	122	5610	15.00	15.50	1.122	97.76	1.023	-0.05	0.296	0.340
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	2	114	5570	9.12	10.50	1.374	95.75	1.044	0.04	0.114	0.164
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	2	114	5570	10.50	10.50	1.000	95.75	1.044	0.04	0.048	0.050
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	2	114	5570	9.12	10.50	1.374	95.75	1.044	-0.07	0.052	0.075
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	2	114	5570	10.50	10.50	1.000	95.75	1.044	-0.07	0.024	0.025
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	2	114	5570	9.12	10.50	1.374	95.75	1.044	-0.08	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	2	114	5570	10.50	10.50	1.000	95.75	1.044	-0.08	0.208	0.217
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	2	114	5570	9.12	10.50	1.374	95.75	1.044	0.15	0.018	0.026
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	2	114	5570	10.50	10.50	1.000	95.75	1.044	0.15	0.136	0.142

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(3)	1	155	5775	13.50	15.50	1.585	97.76	1.023	0.06	0.384	0.623
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(4)	1	155	5775	15.00	15.50	1.122	97.76	1.023	0.06	0.157	0.180
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(3)	1	155	5775	13.50	15.50	1.585	97.76	1.023	0.18	0.175	0.284
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(4)	1	155	5775	15.00	15.50	1.122	97.76	1.023	0.18	0.131	0.150
32	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(3)	1	155	5775	13.50	15.50	1.585	97.76	1.023	-0.03	0.058	0.094
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(4)	1	155	5775	15.00	15.50	1.122	97.76	1.023	-0.03	0.660	0.758
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(3)	1	155	5775	13.50	15.50	1.585	97.76	1.023	-0.04	0.052	0.084
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(4)	1	155	5775	15.00	15.50	1.122	97.76	1.023	-0.04	0.375	0.430
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(3)	2	155	5775	8.63	10.00	1.371	97.76	1.023	0.02	0.114	0.160
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 3+4(4)	2	155	5775	10.00	10.00	1.000	97.76	1.023	0.02	0.043	0.044
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(3)	2	155	5775	8.63	10.00	1.371	97.76	1.023	0.01	0.041	0.057
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 3+4(4)	2	155	5775	10.00	10.00	1.000	97.76	1.023	0.01	0.031	0.032
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(3)	2	155	5775	8.63	10.00	1.371	97.76	1.023	-0.07	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 3+4(4)	2	155	5775	10.00	10.00	1.000	97.76	1.023	-0.07	0.214	0.219
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(3)	2	155	5775	8.63	10.00	1.371	97.76	1.023	0.03	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 3+4(4)	2	155	5775	10.00	10.00	1.000	97.76	1.023	0.03	0.106	0.108
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	1	163	5815	14.38	16.00	1.452	95.75	1.044	-0.08	0.320	0.485
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1	163	5815	15.64	16.00	1.086	95.75	1.044	-0.08	0.127	0.144
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	1	163	5815	14.38	16.00	1.452	95.75	1.044	-0.15	0.174	0.264
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	1	163	5815	15.64	16.00	1.086	95.75	1.044	-0.15	0.126	0.143
33	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1	163	5815	14.38	16.00	1.452	95.75	1.044	-0.02	0.055	0.083
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1	163	5815	15.64	16.00	1.086	95.75	1.044	-0.02	0.574	0.651
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	1	163	5815	14.38	16.00	1.452	95.75	1.044	0.1	0.001	0.002
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	1	163	5815	15.64	16.00	1.086	95.75	1.044	0.1	0.329	0.373
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(3)	2	163	5815	10.29	11.00	1.178	95.75	1.044	-0.06	0.106	0.130
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 3+4(4)	2	163	5815	10.90	11.00	1.023	95.75	1.044	-0.06	0.028	0.030
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(3)	2	163	5815	10.29	11.00	1.178	95.75	1.044	0.07	0.030	0.037
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 3+4(4)	2	163	5815	10.90	11.00	1.023	95.75	1.044	0.07	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(3)	2	163	5815	10.29	11.00	1.178	95.75	1.044	-0.03	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 3+4(4)	2	163	5815	10.90	11.00	1.023	95.75	1.044	-0.03	0.201	0.215
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(3)	2	163	5815	10.29	11.00	1.178	95.75	1.044	0.11	0.059	0.073
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 3+4(4)	2	163	5815	10.90	11.00	1.023	95.75	1.044	0.11	0.135	0.144

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	111	6505	15.55	17.50	1.567	95	1.053	0.01	0.406	0.670	2.74	4.520
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1	111	6505	15.54	17.50	1.570	95	1.053	0.01	0.091	0.150	0.609	1.007
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	1	15	6025	14.11	16.00	1.545	95	1.053	-0.12	0.330	0.537	2.38	3.873
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1	15	6025	15.48	16.00	1.127	95	1.053	-0.12	0.080	0.095	0.559	0.663
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	1	47	6185	14.02	16.00	1.578	95	1.053	-0.02	0.360	0.598	2.66	4.419
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1	47	6185	15.39	16.00	1.151	95	1.053	-0.02	0.078	0.095	0.535	0.648
34	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	1	143	6665	15.53	16.50	1.250	95	1.053	-0.15	0.570	0.750	3.51	4.621
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1	143	6665	15.48	16.50	1.265	95	1.053	-0.15	0.101	0.135	0.69	0.919
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	1	207	6985	12.84	13.50	1.164	95	1.053	0.05	0.298	0.365	1.81	2.219
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	1	207	6985	13.50	13.50	1.000	95	1.053	0.05	0.049	0.052	0.342	0.360
	WLAN6GHz	802.11ax-HE160 MCS0	Right Tilted	0mm	Ant 3+4(3)	1	111	6505	15.55	17.50	1.567	95	1.053	-0.17	0.321	0.530	1.88	3.102
	WLAN6GHz	802.11ax-HE160 MCS0	Right Tilted	0mm	Ant 3+4(4)	1	111	6505	15.54	17.50	1.570	95	1.053	-0.17	0.115	0.190	0.798	1.320
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(3)	1	111	6505	15.55	17.50	1.567	95	1.053	0.11	0.096	0.158	0.733	1.209
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(4)	1	111	6505	15.54	17.50	1.570	95	1.053	0.11	0.234	0.387	1.83	3.026
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 3+4(3)	1	111	6505	15.55	17.50	1.567	95	1.053	0.1	0.131	0.216	0.83	1.369
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 3+4(4)	1	111	6505	15.54	17.50	1.570	95	1.053	0.1	0.191	0.316	1.43	2.365
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	2	47	6185	11.90	12.50	1.148	95	1.053	0.12	0.180	0.218	1.34	1.620
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	2	47	6185	12.45	12.50	1.012	95	1.053	0.12	0.036	0.038	0.246	0.262
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	2	15	6025	11.50	12.50	1.259	95	1.053	0.17	0.156	0.207	1.1	1.458
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	2	15	6025	12.40	12.50	1.023	95	1.053	0.17	0.039	0.042	0.277	0.298
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	2	111	6505	11.40	12.50	1.288	95	1.053	0.03	0.161	0.218	1.07	1.451
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	2	111	6505	12.40	12.50	1.023	95	1.053	0.03	0.039	0.042	0.259	0.279
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	2	143	6665	10.67	12.00	1.358	95	1.053	0.11	0.152	0.217	0.765	1.094
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	2	143	6665	11.45	12.00	1.135	95	1.053	0.11	0.022	0.026	0.106	0.127
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(3)	2	207	6985	8.78	10.50	1.486	95	1.053	0.04	0.135	0.211	0.712	1.114
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 3+4(4)	2	207	6985	10.04	10.50	1.112	95	1.053	0.04	0.022	0.026	0.104	0.122
	WLAN6GHz	802.11ax-HE160 MCS0	Right Tilted	0mm	Ant 3+4(3)	2	47	6185	11.90	12.50	1.148	95	1.053	0	0.071	0.086	0.371	0.449
	WLAN6GHz	802.11ax-HE160 MCS0	Right Tilted	0mm	Ant 3+4(4)	2	47	6185	12.45	12.50	1.012	95	1.053	0	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(3)	2	47	6185	11.90	12.50	1.148	95	1.053	0.12	0.040	0.048	0.3	0.363
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 3+4(4)	2	47	6185	12.45	12.50	1.012	95	1.053	0.12	0.111	0.118	0.71	0.756
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 3+4(3)	2	47	6185	11.90	12.50	1.148	95	1.053	0.18	0.072	0.087	0.402	0.486
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 3+4(4)	2	47	6185	12.45	12.50	1.012	95	1.053	0.18	0.001	0.001	0.001	0.001

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 3	1	78	2480	12.20	13.00	1.202	76.92	1.083	-0.03	0.156	0.203
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3	1	78	2480	12.20	13.00	1.202	76.92	1.083	-0.09	0.026	0.034
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3	1	78	2480	12.20	13.00	1.202	76.92	1.083	-0.02	0.049	0.064
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3	1	78	2480	12.20	13.00	1.202	76.92	1.083	-0.08	0.018	0.023
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 4	1	39	2441	13.78	15.00	1.324	77.04	1.081	0.02	0.039	0.056
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 4	1	39	2441	13.78	15.00	1.324	77.04	1.081	0.01	0.043	0.062
35	Bluetooth	1Mbps	Left Cheek	0mm	Ant 4	1	39	2441	13.78	15.00	1.324	77.04	1.081	0.13	0.153	0.219
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 4	1	39	2441	13.78	15.00	1.324	77.04	1.081	-0.04	0.077	0.110
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 3+4(3)	1	78	2480	12.06	13.00	1.242	77.07	1.081	0.19	0.155	0.208
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 3+4(4)	1	78	2480	12.49	13.00	1.125	77.07	1.081	0.19	0.029	0.035
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3+4(3)	1	78	2480	12.06	13.00	1.242	77.07	1.081	0.04	0.080	0.107
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 3+4(4)	1	78	2480	12.49	13.00	1.125	77.07	1.081	0.04	0.020	0.024
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3+4(3)	1	78	2480	12.06	13.00	1.242	77.07	1.081	0.02	0.050	0.067
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 3+4(4)	1	78	2480	12.49	13.00	1.125	77.07	1.081	0.02	0.162	0.197
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3+4(3)	1	78	2480	12.06	13.00	1.242	77.07	1.081	0.07	0.045	0.060
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 3+4(4)	1	78	2480	12.49	13.00	1.125	77.07	1.081	0.07	0.086	0.105

<Thread 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)
36	Thread	250K	Right Cheek	0mm	Ant 3	1	25	2475	11.49	11.50	1.002	89.87	1.001	-0.09	0.215	0.216
	Thread	250K	Right Tilted	0mm	Ant 3	1	25	2475	11.49	11.50	1.002	89.87	1.001	-0.13	0.046	0.046
	Thread	250K	Left Cheek	0mm	Ant 3	1	25	2475	11.49	11.50	1.002	89.87	1.001	-0.15	0.109	0.109
	Thread	250K	Left Tilted	0mm	Ant 3	1	25	2475	11.49	11.50	1.002	89.87	1.001	-0.11	0.109	0.109

14.2 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	28.85	28.90	1.012	0.01	0.555	0.561
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	189	836.4	28.85	28.90	1.012	0	0.805	0.814
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	128	824.2	28.75	28.90	1.035	0.13	0.448	0.464
37	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	251	848.8	28.85	28.90	1.012	0.08	0.816	0.825
	GSM850_Ant 0	GPRS (4 Tx slots)	Left Edge	10mm	4	189	836.4	28.85	28.90	1.012	0.02	0.347	0.351
	GSM850_Ant 0	GPRS (4 Tx slots)	Right Edge	10mm	4	189	836.4	28.85	28.90	1.012	0.03	0.130	0.132
	GSM850_Ant 0	GPRS (4 Tx slots)	Bottom Edge	10mm	4	189	836.4	28.85	28.90	1.012	0.04	0.581	0.588
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	4	251	848.8	27.00	27.90	1.230	0.04	0.191	0.235
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	4	251	848.8	27.00	27.90	1.230	0.14	0.292	0.359
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Edge	10mm	4	251	848.8	27.00	27.90	1.230	-0.02	0.159	0.196
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Edge	10mm	4	251	848.8	27.00	27.90	1.230	0.08	0.134	0.165
	GSM850_Ant 1	GPRS (4 Tx slots)	Top Edge	10mm	4	251	848.8	27.00	27.90	1.230	0.12	0.151	0.186
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	4	810	1909.8	22.90	23.50	1.148	0.04	0.193	0.222
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	4	810	1909.8	22.90	23.50	1.148	-0.07	0.233	0.268
	GSM1900_Ant 2	GPRS (4 Tx slots)	Left Edge	10mm	4	810	1909.8	22.90	23.50	1.148	0.14	0.001	0.001
	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Edge	10mm	4	810	1909.8	22.90	23.50	1.148	-0.02	0.401	0.460
	GSM1900_Ant 2	GPRS (4 Tx slots)	Bottom Edge	10mm	4	810	1909.8	22.90	23.50	1.148	0.11	0.065	0.075
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	4	810	1909.8	20.28	21.20	1.236	0.01	0.220	0.272
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	810	1909.8	20.28	21.20	1.236	-0.02	0.274	0.339
	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Edge	10mm	4	810	1909.8	20.28	21.20	1.236	0.03	0.058	0.072
	GSM1900_Ant 0	GPRS (4 Tx slots)	Right Edge	10mm	4	810	1909.8	20.28	21.20	1.236	-0.08	0.001	0.001
	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Edge	10mm	4	810	1909.8	20.28	21.20	1.236	0.17	0.647	0.800
38	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Edge	10mm	4	512	1850.2	20.13	21.20	1.279	-0.01	0.659	0.843
	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Edge	10mm	4	661	1880	20.43	21.20	1.194	0.18	0.679	0.811

<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	9262	1852.4	22.22	22.40	1.042	-0.05	0.324	0.338
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	4	9262	1852.4	22.22	22.40	1.042	-0.04	0.339	0.353
	WCDMA II_Ant 2	RMC 12.2Kbps	Left Edge	10mm	4	9262	1852.4	22.22	22.40	1.042	0.16	0.062	0.065
	WCDMA II_Ant 2	RMC 12.2Kbps	Right Edge	10mm	4	9262	1852.4	22.22	22.40	1.042	-0.01	0.455	0.474
	WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Edge	10mm	4	9262	1852.4	22.22	22.40	1.042	-0.1	0.020	0.021
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	4	9262	1852.4	16.89	18.00	1.291	0.03	0.291	0.376
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	4	9262	1852.4	16.89	18.00	1.291	-0.02	0.371	0.479
	WCDMA II_Ant 0	RMC 12.2Kbps	Left Edge	10mm	4	9262	1852.4	16.89	18.00	1.291	0.01	0.063	0.081
	WCDMA II_Ant 0	RMC 12.2Kbps	Right Edge	10mm	4	9262	1852.4	16.89	18.00	1.291	0.01	0.001	0.001
39	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	9262	1852.4	16.89	18.00	1.291	-0.01	0.655	0.846
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	9400	1880	16.81	18.00	1.315	0.01	0.537	0.706
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	9538	1907.6	16.68	18.00	1.355	0.01	0.514	0.697
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	4	1312	1712.4	22.31	22.70	1.094	0.01	0.324	0.354
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	4	1312	1712.4	22.31	22.70	1.094	-0.01	0.336	0.368
	WCDMA IV_Ant 2	RMC 12.2Kbps	Left Edge	10mm	4	1312	1712.4	22.31	22.70	1.094	-0.15	0.055	0.060
	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Edge	10mm	4	1312	1712.4	22.31	22.70	1.094	-0.01	0.361	0.395
	WCDMA IV_Ant 2	RMC 12.2Kbps	Bottom Edge	10mm	4	1312	1712.4	22.31	22.70	1.094	0.19	0.192	0.210
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	4	1312	1712.4	17.41	18.70	1.346	0	0.258	0.347
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	4	1312	1712.4	17.41	18.70	1.346	0	0.349	0.470
	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Edge	10mm	4	1312	1712.4	17.41	18.70	1.346	-0.02	0.055	0.074
	WCDMA IV_Ant 0	RMC 12.2Kbps	Right Edge	10mm	4	1312	1712.4	17.41	18.70	1.346	-0.15	0.001	0.001
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	1312	1712.4	17.41	18.70	1.346	0.11	0.595	0.801
40	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	1413	1732.6	17.27	18.70	1.390	0	0.581	0.808
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	1513	1752.6	17.24	18.70	1.400	-0.08	0.559	0.782
	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	4	4132	826.4	24.57	25.00	1.104	0	0.350	0.386
41	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	4	4132	826.4	24.57	25.00	1.104	0	0.482	0.532
	WCDMA V_Ant 0	RMC 12.2Kbps	Left Edge	10mm	4	4132	826.4	24.57	25.00	1.104	-0.01	0.413	0.456
	WCDMA V_Ant 0	RMC 12.2Kbps	Right Edge	10mm	4	4132	826.4	24.57	25.00	1.104	0.01	0.130	0.144
	WCDMA V_Ant 0	RMC 12.2Kbps	Bottom Edge	10mm	4	4132	826.4	24.57	25.00	1.104	0	0.381	0.421
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	4	4132	826.4	24.23	24.70	1.114	-0.01	0.146	0.163
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	4	4132	826.4	24.23	24.70	1.114	-0.01	0.203	0.226
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Edge	10mm	4	4132	826.4	24.23	24.70	1.114	-0.01	0.236	0.263
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Edge	10mm	4	4132	826.4	24.23	24.70	1.114	-0.01	0.108	0.120
	WCDMA V_Ant 1	RMC 12.2Kbps	Top Edge	10mm	4	4132	826.4	24.23	24.70	1.114	-0.08	0.177	0.197

<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 7_Ant 2	20M	QPSK	1	0	Front	10mm	4	21100	2535	20.11	20.90	1.199	-0.1	0.205	0.246
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	4	21100	2535	20.13	20.90	1.194	0.02	0.223	0.266
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	4	21100	2535	20.11	20.90	1.199	0.18	0.283	0.339
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	4	21100	2535	20.13	20.90	1.194	-0.01	0.288	0.344
	LTE Band 7_Ant 2	20M	QPSK	1	0	Left Edge	10mm	4	21100	2535	20.11	20.90	1.199	0.01	0.001	0.001
	LTE Band 7_Ant 2	20M	QPSK	50	0	Left Edge	10mm	4	21100	2535	20.13	20.90	1.194	-0.15	0.001	0.001
	LTE Band 7_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	21100	2535	20.11	20.90	1.199	0.01	0.434	0.521
	LTE Band 7_Ant 2	20M	QPSK	50	0	Right Edge	10mm	4	21100	2535	20.13	20.90	1.194	0.19	0.427	0.510
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Edge	10mm	4	21100	2535	20.11	20.90	1.199	0.07	0.097	0.116
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Edge	10mm	4	21100	2535	20.13	20.90	1.194	-0.18	0.094	0.112
	CA_7C_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	21350	2560	20.12	20.90	1.197	-0.03	0.334	0.400
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	4	21100	2535	19.32	20.60	1.343	-0.18	0.220	0.295
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	4	21100	2535	19.34	20.60	1.337	0.01	0.217	0.290
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	4	21100	2535	19.32	20.60	1.343	-0.19	0.277	0.372
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	4	21100	2535	19.34	20.60	1.337	-0.08	0.263	0.352
	LTE Band 7_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	21100	2535	19.32	20.60	1.343	-0.08	0.001	0.001
	LTE Band 7_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	21100	2535	19.34	20.60	1.337	0.1	0.001	0.001
	LTE Band 7_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	21100	2535	19.32	20.60	1.343	-0.18	0.066	0.089
	LTE Band 7_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	21100	2535	19.34	20.60	1.337	-0.1	0.067	0.090
42	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	21100	2535	19.32	20.60	1.343	-0.01	0.624	0.838
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	20850	2510	19.31	20.60	1.346	0.12	0.615	0.828
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	21350	2560	19.20	20.60	1.380	0.12	0.593	0.819
	LTE Band 7_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	21100	2535	19.34	20.60	1.337	0.12	0.510	0.682
	LTE Band 7_Ant 0	20M	QPSK	100	0	Bottom Edge	10mm	4	21100	2535	19.33	20.60	1.340	0.12	0.501	0.671
	CA_7C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	21350	2560	19.23	20.60	1.371	-0.01	0.581	0.796
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	10mm	4	23095	707.5	24.41	25.00	1.146	0.01	0.242	0.277
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	4	23095	707.5	23.45	24.00	1.135	0.18	0.218	0.247
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	4	23095	707.5	24.41	25.00	1.146	-0.01	0.297	0.340
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	4	23095	707.5	23.45	24.00	1.135	0.14	0.229	0.260
43	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Edge	10mm	4	23095	707.5	24.41	25.00	1.146	0	0.439	0.503
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Edge	10mm	4	23095	707.5	23.45	24.00	1.135	-0.17	0.300	0.341
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	10mm	4	23095	707.5	24.41	25.00	1.146	0.17	0.234	0.268
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Edge	10mm	4	23095	707.5	23.45	24.00	1.135	-0.05	0.158	0.179
	LTE Band 12_Ant 0	10M	QPSK	1	0	Bottom Edge	10mm	4	23095	707.5	24.41	25.00	1.146	0.01	0.297	0.340
	LTE Band 12_Ant 0	10M	QPSK	25	0	Bottom Edge	10mm	4	23095	707.5	23.45	24.00	1.135	0.1	0.237	0.269
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	4	23095	707.5	23.93	24.70	1.194	0.01	0.098	0.117
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	4	23095	707.5	22.99	23.70	1.178	-0.08	0.081	0.095
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	4	23095	707.5	23.93	24.70	1.194	0	0.136	0.162
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	4	23095	707.5	22.99	23.70	1.178	0.13	0.106	0.125
	LTE Band 12_Ant 1	10M	QPSK	1	0	Left Edge	10mm	4	23095	707.5	23.93	24.70	1.194	-0.01	0.212	0.253
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Edge	10mm	4	23095	707.5	22.99	23.70	1.178	0.12	0.195	0.230
	LTE Band 12_Ant 1	10M	QPSK	1	0	Right Edge	10mm	4	23095	707.5	23.93	24.70	1.194	0.03	0.133	0.159
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Edge	10mm	4	23095	707.5	22.99	23.70	1.178	0.18	0.095	0.112
	LTE Band 12_Ant 1	10M	QPSK	1	0	Top Edge	10mm	4	23095	707.5	23.93	24.70	1.194	0.16	0.097	0.116
	LTE Band 12_Ant 1	10M	QPSK	25	0	Top Edge	10mm	4	23095	707.5	22.99	23.70	1.178	-0.1	0.091	0.107

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	23.26	24.20	1.242	-0.08	0.185	0.230
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	4	23230	782	23.29	24.00	1.178	-0.04	0.190	0.224
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	4	23230	782	23.26	24.20	1.242	-0.08	0.314	0.390
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	4	23230	782	23.29	24.00	1.178	0.17	0.307	0.362
44	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Edge	10mm	4	23230	782	23.26	24.20	1.242	-0.02	0.412	0.512
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Edge	10mm	4	23230	782	23.29	24.00	1.178	-0.04	0.405	0.477
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	10mm	4	23230	782	23.26	24.20	1.242	-0.08	0.153	0.190
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Edge	10mm	4	23230	782	23.29	24.00	1.178	-0.13	0.146	0.172
	LTE Band 13_Ant 0	10M	QPSK	1	0	Bottom Edge	10mm	4	23230	782	23.26	24.20	1.242	-0.13	0.388	0.482
	LTE Band 13_Ant 0	10M	QPSK	25	0	Bottom Edge	10mm	4	23230	782	23.29	24.00	1.178	0.06	0.381	0.449
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	4	23230	782	24.22	25.00	1.197	0	0.136	0.163
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	4	23230	782	23.30	24.00	1.175	-0.08	0.109	0.128
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	4	23230	782	24.22	25.00	1.197	-0.09	0.184	0.220
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	4	23230	782	23.30	24.00	1.175	-0.08	0.151	0.177
	LTE Band 13_Ant 1	10M	QPSK	1	0	Left Edge	10mm	4	23230	782	24.22	25.00	1.197	-0.02	0.230	0.275
	LTE Band 13_Ant 1	10M	QPSK	25	0	Left Edge	10mm	4	23230	782	23.30	24.00	1.175	0.17	0.193	0.227
	LTE Band 13_Ant 1	10M	QPSK	1	0	Right Edge	10mm	4	23230	782	24.22	25.00	1.197	0.18	0.108	0.129
	LTE Band 13_Ant 1	10M	QPSK	25	0	Right Edge	10mm	4	23230	782	23.30	24.00	1.175	-0.04	0.092	0.108
	LTE Band 13_Ant 1	10M	QPSK	1	0	Top Edge	10mm	4	23230	782	24.22	25.00	1.197	-0.08	0.166	0.199
	LTE Band 13_Ant 1	10M	QPSK	25	0	Top Edge	10mm	4	23230	782	23.30	24.00	1.175	-0.13	0.103	0.121
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	4	23330	793	23.12	24.20	1.282	-0.03	0.214	0.274
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	4	23330	793	23.13	24.00	1.222	0.08	0.184	0.225
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	4	23330	793	23.12	24.20	1.282	-0.07	0.299	0.383
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	4	23330	793	23.13	24.00	1.222	0.05	0.266	0.325
45	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Edge	10mm	4	23330	793	23.12	24.20	1.282	0	0.388	0.498
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Edge	10mm	4	23330	793	23.13	24.00	1.222	-0.12	0.387	0.473
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	10mm	4	23330	793	23.12	24.20	1.282	0.03	0.154	0.197
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Edge	10mm	4	23330	793	23.13	24.00	1.222	-0.16	0.150	0.183
	LTE Band 14_Ant 0	10M	QPSK	1	0	Bottom Edge	10mm	4	23330	793	23.12	24.20	1.282	-0.02	0.295	0.378
	LTE Band 14_Ant 0	10M	QPSK	25	0	Bottom Edge	10mm	4	23330	793	23.13	24.00	1.222	0.15	0.296	0.362
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	4	23330	793	24.12	25.00	1.225	-0.02	0.179	0.219
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	4	23330	793	23.15	24.00	1.216	0.08	0.148	0.180
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	4	23330	793	24.12	25.00	1.225	-0.01	0.198	0.242
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	4	23330	793	23.15	24.00	1.216	0.05	0.162	0.197
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Edge	10mm	4	23330	793	24.12	25.00	1.225	-0.02	0.333	0.408
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Edge	10mm	4	23330	793	23.15	24.00	1.216	0.03	0.273	0.332
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Edge	10mm	4	23330	793	24.12	25.00	1.225	-0.16	0.154	0.189
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Edge	10mm	4	23330	793	23.15	24.00	1.216	-0.02	0.139	0.169
	LTE Band 14_Ant 1	10M	QPSK	1	0	Top Edge	10mm	4	23330	793	24.12	25.00	1.225	0.15	0.191	0.234
	LTE Band 14_Ant 1	10M	QPSK	25	0	Top Edge	10mm	4	23330	793	23.15	24.00	1.216	-0.09	0.157	0.191

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	21.11	21.80	1.172	0.08	0.269	0.315
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	4	26340	1880	21.10	21.80	1.175	-0.09	0.273	0.321
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	4	26340	1880	21.11	21.80	1.172	-0.09	0.304	0.356
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	4	26340	1880	21.10	21.80	1.175	0.03	0.301	0.354
	LTE Band 25_Ant 2	20M	QPSK	1	0	Left Edge	10mm	4	26340	1880	21.11	21.80	1.172	-0.08	0.066	0.077
	LTE Band 25_Ant 2	20M	QPSK	50	0	Left Edge	10mm	4	26340	1880	21.10	21.80	1.175	-0.08	0.066	0.078
	LTE Band 25_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	26340	1880	21.11	21.80	1.172	0.1	0.447	0.524
	LTE Band 25_Ant 2	20M	QPSK	50	0	Right Edge	10mm	4	26340	1880	21.10	21.80	1.175	0.01	0.447	0.525
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom Edge	10mm	4	26340	1880	21.11	21.80	1.172	-0.18	0.076	0.089
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom Edge	10mm	4	26340	1880	21.10	21.80	1.175	0.1	0.065	0.076
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	4	26340	1880	16.56	17.90	1.361	0.19	0.245	0.334
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	4	26340	1880	16.58	17.90	1.355	0.08	0.241	0.327
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	4	26340	1880	16.56	17.90	1.361	0.01	0.291	0.396
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	4	26340	1880	16.58	17.90	1.355	-0.17	0.294	0.398
	LTE Band 25_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	26340	1880	16.56	17.90	1.361	-0.13	0.051	0.069
	LTE Band 25_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	26340	1880	16.58	17.90	1.355	-0.08	0.051	0.069
	LTE Band 25_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	26340	1880	16.56	17.90	1.361	-0.08	0.001	0.001
	LTE Band 25_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	26340	1880	16.58	17.90	1.355	0.1	0.001	0.001
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	26340	1880	16.56	17.90	1.361	-0.18	0.570	0.776
	LTE Band 25_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	26340	1880	16.58	17.90	1.355	0.02	0.577	0.782
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	4	26340	1880	21.28	22.10	1.208	0.16	0.301	0.364
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	4	26340	1880	21.29	22.10	1.205	-0.02	0.344	0.415
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	4	26340	1880	21.28	22.10	1.208	0	0.488	0.589
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	4	26340	1880	21.29	22.10	1.205	-0.1	0.414	0.499
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Edge	10mm	4	26340	1880	21.28	22.10	1.208	-0.19	0.222	0.268
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Edge	10mm	4	26340	1880	21.29	22.10	1.205	0.18	0.196	0.236
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	10mm	4	26340	1880	21.28	22.10	1.208	-0.1	0.001	0.001
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Edge	10mm	4	26340	1880	21.29	22.10	1.205	0.01	0.001	0.001
	LTE Band 25_Ant 1	20M	QPSK	1	0	Top Edge	10mm	4	26340	1880	21.28	22.10	1.208	-0.15	0.486	0.587
	LTE Band 25_Ant 1	20M	QPSK	50	0	Top Edge	10mm	4	26340	1880	21.29	22.10	1.205	0.02	0.555	0.669
	LTE Band 25_Ant 5	20M	QPSK	1	0	Front	10mm	4	26340	1880	23.11	23.40	1.069	0.16	0.243	0.260
	LTE Band 25_Ant 5	20M	QPSK	50	0	Front	10mm	4	26340	1880	22.13	23.40	1.340	0.08	0.186	0.249
	LTE Band 25_Ant 5	20M	QPSK	1	0	Back	10mm	4	26340	1880	23.11	23.40	1.069	0.01	0.355	0.380
	LTE Band 25_Ant 5	20M	QPSK	50	0	Back	10mm	4	26340	1880	22.13	23.40	1.340	0.03	0.257	0.344
	LTE Band 25_Ant 5	20M	QPSK	1	0	Left Edge	10mm	4	26340	1880	23.11	23.40	1.069	-0.08	0.064	0.068
	LTE Band 25_Ant 5	20M	QPSK	50	0	Left Edge	10mm	4	26340	1880	22.13	23.40	1.340	-0.08	0.054	0.072
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Edge	10mm	4	26340	1880	23.11	23.40	1.069	0.1	0.760	0.812
	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Edge	10mm	4	26140	1860	23.10	23.40	1.072	0.08	0.503	0.539
46	LTE Band 25_Ant 5	20M	QPSK	1	0	Right Edge	10mm	4	26590	1905	23.04	23.40	1.086	-0.03	0.767	0.833
	LTE Band 25_Ant 5	20M	QPSK	50	0	Right Edge	10mm	4	26340	1880	22.13	23.40	1.340	-0.18	0.443	0.593
	LTE Band 25_Ant 5	20M	QPSK	100	0	Right Edge	10mm	4	26340	1880	22.07	23.40	1.358	0.13	0.488	0.663
	LTE Band 25_Ant 5	20M	QPSK	1	0	Top Edge	10mm	4	26340	1880	23.11	23.40	1.069	0.1	0.259	0.277
	LTE Band 25_Ant 5	20M	QPSK	50	0	Top Edge	10mm	4	26340	1880	22.13	23.40	1.340	0.12	0.248	0.332

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	4	26865	831.5	24.15	25.00	1.216	0	0.217	0.264
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	4	26865	831.5	23.16	24.00	1.213	0.01	0.152	0.184
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	4	26865	831.5	24.15	25.00	1.216	-0.02	0.469	0.570
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	4	26865	831.5	23.16	24.00	1.213	0.03	0.397	0.482
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Edge	10mm	4	26865	831.5	24.15	25.00	1.216	-0.05	0.394	0.479
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Edge	10mm	4	26865	831.5	23.16	24.00	1.213	-0.08	0.309	0.375
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	10mm	4	26865	831.5	24.15	25.00	1.216	0.1	0.165	0.201
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Edge	10mm	4	26865	831.5	23.16	24.00	1.213	-0.18	0.130	0.158
47	LTE Band 26_Ant 0	15M	QPSK	1	0	Bottom Edge	10mm	4	26865	831.5	24.15	25.00	1.216	-0.09	0.471	0.573
	LTE Band 26_Ant 0	15M	QPSK	36	0	Bottom Edge	10mm	4	26865	831.5	23.16	24.00	1.213	0.1	0.308	0.374
	CA_5B_Ant 0	10M	QPSK	1	0	Bottom Edge	10mm	4	20600	844	23.15	24.50	1.365	0.01	0.371	0.506
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	4	26865	831.5	23.70	24.70	1.259	-0.01	0.145	0.183
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	4	26865	831.5	22.67	23.70	1.268	0.18	0.129	0.164
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	4	26865	831.5	23.70	24.70	1.259	-0.01	0.199	0.251
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	4	26865	831.5	22.67	23.70	1.268	0.14	0.180	0.228
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Edge	10mm	4	26865	831.5	23.70	24.70	1.259	0.01	0.136	0.171
	LTE Band 26_Ant 1	15M	QPSK	36	0	Left Edge	10mm	4	26865	831.5	22.67	23.70	1.268	-0.17	0.110	0.139
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Edge	10mm	4	26865	831.5	23.70	24.70	1.259	0.17	0.083	0.104
	LTE Band 26_Ant 1	15M	QPSK	36	0	Right Edge	10mm	4	26865	831.5	22.67	23.70	1.268	-0.05	0.066	0.084
	LTE Band 26_Ant 1	15M	QPSK	1	0	Top Edge	10mm	4	26865	831.5	23.70	24.70	1.259	0.01	0.133	0.167
	LTE Band 26_Ant 1	15M	QPSK	36	0	Top Edge	10mm	4	26865	831.5	22.67	23.70	1.268	0.1	0.112	0.142
	CA_5B_Ant 1	10M	QPSK	1	0	Back	10mm	4	20574	841.4	22.76	24.00	1.330	-0.02	0.157	0.209
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	4	27710	2310	19.49	20.20	1.178	-0.1	0.214	0.252
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	4	27710	2310	19.54	20.20	1.164	0.01	0.212	0.247
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	4	27710	2310	19.49	20.20	1.178	0.02	0.206	0.243
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	4	27710	2310	19.54	20.20	1.164	-0.08	0.204	0.237
	LTE Band 30_Ant 2	10M	QPSK	1	0	Left Edge	10mm	4	27710	2310	19.49	20.20	1.178	-0.08	0.001	0.001
	LTE Band 30_Ant 2	10M	QPSK	25	0	Left Edge	10mm	4	27710	2310	19.54	20.20	1.164	0.1	0.001	0.001
	LTE Band 30_Ant 2	10M	QPSK	1	0	Right Edge	10mm	4	27710	2310	19.49	20.20	1.178	0.02	0.304	0.358
	LTE Band 30_Ant 2	10M	QPSK	25	0	Right Edge	10mm	4	27710	2310	19.54	20.20	1.164	0.1	0.293	0.341
	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom Edge	10mm	4	27710	2310	19.49	20.20	1.178	0.12	0.090	0.106
	LTE Band 30_Ant 2	10M	QPSK	25	0	Bottom Edge	10mm	4	27710	2310	19.54	20.20	1.164	0.08	0.089	0.104
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	4	27710	2310	17.27	18.90	1.455	0.08	0.215	0.313
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	4	27710	2310	17.25	18.90	1.462	-0.18	0.225	0.329
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	4	27710	2310	17.27	18.90	1.455	0.03	0.295	0.429
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	4	27710	2310	17.25	18.90	1.462	0.14	0.301	0.440
	LTE Band 30_Ant 0	10M	QPSK	1	0	Left Edge	10mm	4	27710	2310	17.27	18.90	1.455	-0.08	0.001	0.001
	LTE Band 30_Ant 0	10M	QPSK	25	0	Left Edge	10mm	4	27710	2310	17.25	18.90	1.462	0.1	0.001	0.001
	LTE Band 30_Ant 0	10M	QPSK	1	0	Right Edge	10mm	4	27710	2310	17.27	18.90	1.455	-0.18	0.001	0.001
	LTE Band 30_Ant 0	10M	QPSK	25	0	Right Edge	10mm	4	27710	2310	17.25	18.90	1.462	0.1	0.001	0.001
	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Edge	10mm	4	27710	2310	17.27	18.90	1.455	0.12	0.512	0.745
48	LTE Band 30_Ant 0	10M	QPSK	25	0	Bottom Edge	10mm	4	27710	2310	17.25	18.90	1.462	-0.04	0.524	0.766

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	40620	2593	22.93	23.80	1.222	62.9	1.006	0.08	0.287	0.353
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	4	40620	2593	22.58	23.50	1.236	62.9	1.006	0.01	0.260	0.323
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	4	40620	2593	22.93	23.80	1.222	62.9	1.006	0.03	0.392	0.482
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	4	40620	2593	22.58	23.50	1.236	62.9	1.006	0.03	0.343	0.426
	LTE Band 41_Ant 2	20M	QPSK	1	0	Left Edge	10mm	4	40620	2593	22.93	23.80	1.222	62.9	1.006	-0.08	0.001	0.001
	LTE Band 41_Ant 2	20M	QPSK	50	0	Left Edge	10mm	4	40620	2593	22.58	23.50	1.236	62.9	1.006	0.1	0.001	0.001
	LTE Band 41_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	40620	2593	22.93	23.80	1.222	62.9	1.006	0	0.402	0.494
	LTE Band 41_Ant 2	20M	QPSK	50	0	Right Edge	10mm	4	40620	2593	22.58	23.50	1.236	62.9	1.006	-0.18	0.360	0.448
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom Edge	10mm	4	40620	2593	22.93	23.80	1.222	62.9	1.006	0.1	0.152	0.187
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom Edge	10mm	4	40620	2593	22.58	23.50	1.236	62.9	1.006	0.12	0.137	0.170
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	40620	2593	24.51	25.40	1.227	42.9	1.009	0.08	0.393	0.487
	CA_41C_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	41490	2680	22.98	23.80	1.208	62.9	1.006	-0.07	0.391	0.475
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	4	40620	2593	22.36	23.10	1.186	62.9	1.006	-0.18	0.258	0.308
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	4	40620	2593	22.26	23.10	1.213	62.9	1.006	0.17	0.170	0.208
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	4	40620	2593	22.36	23.10	1.186	62.9	1.006	0.14	0.305	0.364
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	4	40620	2593	22.26	23.10	1.213	62.9	1.006	-0.05	0.215	0.262
	LTE Band 41_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	40620	2593	22.36	23.10	1.186	62.9	1.006	0.01	0.066	0.079
	LTE Band 41_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	40620	2593	22.26	23.10	1.213	62.9	1.006	0.1	0.057	0.070
	LTE Band 41_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	40620	2593	22.36	23.10	1.186	62.9	1.006	-0.16	0.058	0.069
	LTE Band 41_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	40620	2593	22.26	23.10	1.213	62.9	1.006	0.04	0.041	0.050
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40620	2593	22.36	23.10	1.186	62.9	1.006	-0.01	0.632	0.754
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	39750	2506	22.34	23.10	1.191	62.9	1.006	0.05	0.674	0.808
49	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40185	2549.5	22.30	23.10	1.202	62.9	1.006	-0.02	0.700	0.847
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41055	2636.5	22.19	23.10	1.233	62.9	1.006	0.08	0.490	0.608
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41490	2680	22.12	23.10	1.253	62.9	1.006	0.01	0.578	0.729
	LTE Band 41_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	40620	2593	22.26	23.10	1.213	62.9	1.006	0.03	0.475	0.580
	LTE Band 41_Ant 0	20M	QPSK	100	0	Bottom Edge	10mm	4	40620	2593	22.23	23.10	1.222	62.9	1.006	0.12	0.470	0.578
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40620	2593	24.31	24.90	1.146	42.9	1.009	-0.05	0.620	0.717
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	39750	2506	24.23	24.90	1.167	42.9	1.009	0.14	0.661	0.778
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40185	2549.5	24.28	24.90	1.153	42.9	1.009	-0.17	0.726	0.845
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41055	2636.5	24.17	24.90	1.183	42.9	1.009	0.17	0.481	0.574
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41490	2680	24.05	24.90	1.216	42.9	1.009	-0.05	0.567	0.696
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40185	2549.5	22.21	23.10	1.227	62.9	1.006	0.08	0.650	0.803
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	39750	2506	21.98	23.10	1.294	62.9	1.006	0.03	0.632	0.823
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	40620	2593	22.15	23.10	1.245	62.9	1.006	-0.08	0.592	0.741
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41055	2636.5	22.20	23.10	1.230	62.9	1.006	-0.08	0.449	0.556
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	41490	2680	22.18	23.10	1.236	62.9	1.006	0.1	0.541	0.673

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	56150	3641	21.85	22.80	1.245	62.9	1.006	0.02	0.228	0.285
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	4	55830	3609	21.84	22.80	1.247	62.9	1.006	0.06	0.206	0.259
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	4	56150	3641	21.85	22.80	1.245	62.9	1.006	0.15	0.246	0.308
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	4	55830	3609	21.84	22.80	1.247	62.9	1.006	-0.09	0.217	0.272
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	10mm	4	56150	3641	21.85	22.80	1.245	62.9	1.006	-0.06	0.388	0.486
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Edge	10mm	4	55830	3609	21.84	22.80	1.247	62.9	1.006	-0.08	0.316	0.397
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Edge	10mm	4	55830	3609	21.91	22.80	1.227	62.9	1.006	0.13	0.001	0.001
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Edge	10mm	4	56150	3641	21.90	22.80	1.230	62.9	1.006	0.12	0.001	0.001
	LTE Band 48_Ant 6	20M	QPSK	1	0	Bottom Edge	10mm	4	56150	3641	21.85	22.80	1.245	62.9	1.006	0.18	0.115	0.144
	LTE Band 48_Ant 6	20M	QPSK	50	0	Bottom Edge	10mm	4	55830	3609	21.84	22.80	1.247	62.9	1.006	0.03	0.084	0.105
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	-0.13	0.187	0.237
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	0.08	0.171	0.217
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	0.01	0.201	0.255
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	-0.06	0.234	0.296
	LTE Band 48_Ant 7	20M	QPSK	1	0	Left Edge	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	0.03	0.001	0.001
	LTE Band 48_Ant 7	20M	QPSK	50	0	Left Edge	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	-0.08	0.001	0.001
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Edge	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	-0.08	0.529	0.670
50	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Edge	10mm	4	55340	3560	20.24	21.40	1.306	62.9	1.006	-0.04	0.566	0.744
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Edge	10mm	4	56150	3641	20.31	21.40	1.285	62.9	1.006	0.1	0.479	0.619
	LTE Band 48_Ant 7	20M	QPSK	1	0	Right Edge	10mm	4	56640	3690	20.21	21.40	1.315	62.9	1.006	-0.18	0.321	0.425
	LTE Band 48_Ant 7	20M	QPSK	50	0	Right Edge	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	0.1	0.457	0.579
	LTE Band 48_Ant 7	20M	QPSK	1	0	Bottom Edge	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	0.12	0.064	0.081
	LTE Band 48_Ant 7	20M	QPSK	50	0	Bottom Edge	10mm	4	55830	3609	20.40	21.40	1.259	62.9	1.006	0.08	0.057	0.072

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	4	132322	1745	20.94	22.00	1.276	0.08	0.224	0.286
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	4	132322	1745	20.92	22.00	1.282	-0.08	0.225	0.289
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	4	132322	1745	20.94	22.00	1.276	0.03	0.224	0.286
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	4	132322	1745	20.92	22.00	1.282	-0.17	0.226	0.290
	LTE Band 66_Ant 2	20M	QPSK	1	0	Left Edge	10mm	4	132322	1745	20.94	22.00	1.276	-0.08	0.001	0.001
	LTE Band 66_Ant 2	20M	QPSK	50	0	Left Edge	10mm	4	132322	1745	20.92	22.00	1.282	0.1	0.001	0.001
	LTE Band 66_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	132322	1745	20.94	22.00	1.276	-0.18	0.303	0.387
	LTE Band 66_Ant 2	20M	QPSK	50	0	Right Edge	10mm	4	132322	1745	20.92	22.00	1.282	-0.01	0.304	0.390
	LTE Band 66_Ant 2	20M	QPSK	1	0	Bottom Edge	10mm	4	132322	1745	20.94	22.00	1.276	0.12	0.154	0.197
	LTE Band 66_Ant 2	20M	QPSK	50	0	Bottom Edge	10mm	4	132322	1745	20.92	22.00	1.282	0.08	0.153	0.196
	CA_66C_Ant 2	20M	QPSK	1	0	Right Edge	10mm	4	132572	1770	20.67	22.00	1.358	0.03	0.285	0.387
	CA_66B_Ant 2	15MM	QPSK	1	0	Right Edge	10mm	4	132597	1772.5	20.61	22.00	1.377	0.01	0.280	0.386
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	4	132322	1745	16.58	18.20	1.452	0.07	0.195	0.283
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	4	132322	1745	16.52	18.20	1.472	0.01	0.185	0.272
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	4	132322	1745	16.58	18.20	1.452	-0.13	0.277	0.402
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	4	132322	1745	16.52	18.20	1.472	-0.08	0.267	0.393
	LTE Band 66_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	132322	1745	16.58	18.20	1.452	-0.08	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	132322	1745	16.52	18.20	1.472	0.1	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	132322	1745	16.58	18.20	1.452	-0.18	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	132322	1745	16.52	18.20	1.472	0.1	0.001	0.001
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	132322	1745	16.58	18.20	1.452	0.12	0.553	0.803
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	132072	1720	16.50	18.20	1.479	0.01	0.564	0.834
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	132572	1770	16.55	18.20	1.462	-0.17	0.492	0.719
	LTE Band 66_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	132322	1745	16.52	18.20	1.472	-0.03	0.507	0.746
	LTE Band 66_Ant 0	20M	QPSK	100	0	Bottom Edge	10mm	4	132322	1745	16.47	18.20	1.489	0.12	0.489	0.728
	CA_66C_Ant 0	20M	QPSK	1	99	Bottom Edge	10mm	4	132072	1720	17.16	18.20	1.271	0.03	0.624	0.793
	CA_66B_Ant 0	15MM	QPSK	1	74	Bottom Edge	10mm	4	132047	1717.5	17.15	18.20	1.274	0.01	0.619	0.788
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	4	132072	1720	20.85	22.60	1.496	-0.08	0.257	0.385
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	4	132072	1720	20.86	22.60	1.493	-0.19	0.266	0.397
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	4	132072	1720	20.85	22.60	1.496	-0.17	0.347	0.519
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	4	132072	1720	20.86	22.60	1.493	0.17	0.370	0.552
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Edge	10mm	4	132072	1720	20.85	22.60	1.496	0.17	0.159	0.238
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Edge	10mm	4	132072	1720	20.86	22.60	1.493	-0.16	0.179	0.267
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	10mm	4	132072	1720	20.85	22.60	1.496	0.01	0.068	0.102
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Edge	10mm	4	132072	1720	20.86	22.60	1.493	0.1	0.062	0.093
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Edge	10mm	4	132072	1720	20.85	22.60	1.496	-0.05	0.341	0.510
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Edge	10mm	4	132072	1720	20.86	22.60	1.493	0.04	0.244	0.364
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	4	132322	1745	23.40	24.50	1.288	-0.05	0.349	0.450
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	4	132322	1745	22.37	23.50	1.297	-0.08	0.284	0.368
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	4	132322	1745	23.40	24.50	1.288	-0.03	0.441	0.568
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	4	132322	1745	22.37	23.50	1.297	0.05	0.339	0.440
	LTE Band 66_Ant 5	20M	QPSK	1	0	Left Edge	10mm	4	132322	1745	23.40	24.50	1.288	0.06	0.101	0.130
	LTE Band 66_Ant 5	20M	QPSK	50	0	Left Edge	10mm	4	132322	1745	22.37	23.50	1.297	-0.09	0.078	0.101
51	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Edge	10mm	4	132322	1745	23.40	24.50	1.288	0.02	0.655	0.844
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Edge	10mm	4	132072	1720	23.39	24.50	1.291	0.08	0.595	0.768
	LTE Band 66_Ant 5	20M	QPSK	1	0	Right Edge	10mm	4	132572	1770	23.21	24.50	1.346	0.01	0.605	0.814
	LTE Band 66_Ant 5	20M	QPSK	50	0	Right Edge	10mm	4	132322	1745	22.37	23.50	1.297	0.13	0.544	0.706
	LTE Band 66_Ant 5	20M	QPSK	100	0	Right Edge	10mm	4	132322	1745	22.34	23.50	1.306	0.03	0.575	0.751
	LTE Band 66_Ant 5	20M	QPSK	1	0	Top Edge	10mm	4	132322	1745	23.40	24.50	1.288	0.12	0.215	0.277
	LTE Band 66_Ant 5	20M	QPSK	50	0	Top Edge	10mm	4	132322	1745	22.37	23.50	1.297	0.03	0.262	0.340

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	24.47	25.00	1.130	-0.01	0.119	0.134
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	4	133297	680.5	23.48	24.00	1.127	0.08	0.075	0.085
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	4	133297	680.5	24.47	25.00	1.130	-0.06	0.189	0.214
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	4	133297	680.5	23.48	24.00	1.127	-0.17	0.136	0.153
52	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Edge	10mm	4	133297	680.5	24.47	25.00	1.130	0	0.285	0.322
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Edge	10mm	4	133297	680.5	23.48	24.00	1.127	-0.03	0.178	0.201
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	10mm	4	133297	680.5	24.47	25.00	1.130	0.14	0.127	0.143
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Edge	10mm	4	133297	680.5	23.48	24.00	1.127	0.11	0.110	0.124
	LTE Band 71_Ant 0	20M	QPSK	1	0	Bottom Edge	10mm	4	133297	680.5	24.47	25.00	1.130	-0.05	0.171	0.193
	LTE Band 71_Ant 0	20M	QPSK	50	0	Bottom Edge	10mm	4	133297	680.5	23.48	24.00	1.127	0.18	0.103	0.116
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	4	133297	680.5	24.43	25.00	1.140	-0.03	0.129	0.147
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	4	133297	680.5	23.43	24.00	1.140	0.01	0.106	0.121
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	4	133297	680.5	24.43	25.00	1.140	-0.04	0.155	0.177
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	4	133297	680.5	23.43	24.00	1.140	-0.08	0.118	0.135
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Edge	10mm	4	133297	680.5	24.43	25.00	1.140	-0.02	0.268	0.306
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Edge	10mm	4	133297	680.5	23.43	24.00	1.140	-0.18	0.248	0.283
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Edge	10mm	4	133297	680.5	24.43	25.00	1.140	0.1	0.122	0.139
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Edge	10mm	4	133297	680.5	23.43	24.00	1.140	0.12	0.102	0.116
	LTE Band 71_Ant 1	20M	QPSK	1	0	Top Edge	10mm	4	133297	680.5	24.43	25.00	1.140	0.08	0.180	0.205
	LTE Band 71_Ant 1	20M	QPSK	50	0	Top Edge	10mm	4	133297	680.5	23.43	24.00	1.140	-0.17	0.132	0.151

<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 n7_Ant 2	50M	BPSK	1	1	Front	10mm	4	507000	2535	20.38	21.20	1.208	0.08	0.234	0.283
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	4	507000	2535	20.32	21.20	1.225	0.02	0.250	0.306
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	4	507000	2535	20.38	21.20	1.208	0.03	0.263	0.318
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	4	507000	2535	20.32	21.20	1.225	-0.01	0.292	0.358
	FR1 n7_Ant 2	50M	BPSK	1	1	Left Edge	10mm	4	507000	2535	20.38	21.20	1.208	-0.08	0.001	0.001
	FR1 n7_Ant 2	50M	BPSK	135	68	Left Edge	10mm	4	507000	2535	20.32	21.20	1.225	-0.08	0.001	0.001
	FR1 n7_Ant 2	50M	BPSK	1	1	Right Edge	10mm	4	507000	2535	20.38	21.20	1.208	0.1	0.379	0.458
	FR1 n7_Ant 2	50M	BPSK	135	68	Right Edge	10mm	4	507000	2535	20.32	21.20	1.225	-0.01	0.382	0.468
	FR1 n7_Ant 2	50M	BPSK	1	1	Bottom Edge	10mm	4	507000	2535	20.38	21.20	1.208	-0.18	0.099	0.120
	FR1 n7_Ant 2	50M	BPSK	135	68	Bottom Edge	10mm	4	507000	2535	20.32	21.20	1.225	0.1	0.106	0.130
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	4	507000	2535	19.13	20.60	1.403	-0.01	0.304	0.426
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	4	507000	2535	19.00	20.60	1.445	0.08	0.283	0.409
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	4	507000	2535	19.13	20.60	1.403	-0.19	0.374	0.525
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	4	507000	2535	19.00	20.60	1.445	-0.03	0.353	0.510
	FR1 n7_Ant 0	50M	BPSK	1	1	Left Edge	10mm	4	507000	2535	19.13	20.60	1.403	0.14	0.001	0.001
	FR1 n7_Ant 0	50M	BPSK	135	68	Left Edge	10mm	4	507000	2535	19.00	20.60	1.445	0.11	0.001	0.001
	FR1 n7_Ant 0	50M	BPSK	1	1	Right Edge	10mm	4	507000	2535	19.13	20.60	1.403	-0.05	0.062	0.087
	FR1 n7_Ant 0	50M	BPSK	135	68	Right Edge	10mm	4	507000	2535	19.00	20.60	1.445	-0.19	0.069	0.100
53	FR1 n7_Ant 0	50M	BPSK	1	1	Bottom Edge	10mm	4	507000	2535	19.13	20.60	1.403	0.03	0.575	0.807
	FR1 n7_Ant 0	50M	BPSK	135	68	Bottom Edge	10mm	4	507000	2535	19.00	20.60	1.445	0.14	0.532	0.769
	FR1 n7_Ant 0	50M	BPSK	270	0	Bottom Edge	10mm	4	507000	2535	18.95	20.60	1.462	-0.17	0.525	0.768

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	4	141500	707.5	24.35	25.00	1.161	0.08	0.252	0.293
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	10mm	4	141500	707.5	24.32	25.00	1.169	0.02	0.256	0.299
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	10mm	4	141500	707.5	24.35	25.00	1.161	0.03	0.285	0.331
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	10mm	4	141500	707.5	24.32	25.00	1.169	0.02	0.295	0.345
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Edge	10mm	4	141500	707.5	24.35	25.00	1.161	-0.08	0.467	0.542
54	FR1 n12_Ant 0	15M	BPSK	36	22	Left Edge	10mm	4	141500	707.5	24.32	25.00	1.169	0.01	0.470	0.550
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	10mm	4	141500	707.5	24.35	25.00	1.161	-0.08	0.213	0.247
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Edge	10mm	4	141500	707.5	24.32	25.00	1.169	0.1	0.219	0.256
	FR1 n12_Ant 0	15M	BPSK	1	1	Bottom Edge	10mm	4	141500	707.5	24.35	25.00	1.161	-0.18	0.269	0.312
	FR1 n12_Ant 0	15M	BPSK	36	22	Bottom Edge	10mm	4	141500	707.5	24.32	25.00	1.169	0.1	0.275	0.322
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	10mm	4	141500	707.5	24.16	24.70	1.132	-0.08	0.099	0.112
	FR1 n12_Ant 1	15M	BPSK	36	22	Front	10mm	4	141500	707.5	24.09	24.70	1.151	-0.02	0.121	0.139
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	4	141500	707.5	24.16	24.70	1.132	0.1	0.114	0.129
	FR1 n12_Ant 1	15M	BPSK	36	22	Back	10mm	4	141500	707.5	24.09	24.70	1.151	-0.01	0.150	0.173
	FR1 n12_Ant 1	15M	BPSK	1	1	Left Edge	10mm	4	141500	707.5	24.16	24.70	1.132	0.12	0.200	0.226
	FR1 n12_Ant 1	15M	BPSK	36	22	Left Edge	10mm	4	141500	707.5	24.09	24.70	1.151	0.02	0.219	0.252
	FR1 n12_Ant 1	15M	BPSK	1	1	Right Edge	10mm	4	141500	707.5	24.16	24.70	1.132	-0.17	0.191	0.216
	FR1 n12_Ant 1	15M	BPSK	36	22	Right Edge	10mm	4	141500	707.5	24.09	24.70	1.151	-0.03	0.208	0.239
	FR1 n12_Ant 1	15M	BPSK	1	1	Top Edge	10mm	4	141500	707.5	24.16	24.70	1.132	0.14	0.074	0.084
	FR1 n12_Ant 1	15M	BPSK	36	22	Top Edge	10mm	4	141500	707.5	24.09	24.70	1.151	0.11	0.082	0.094
	FR1 n14_Ant 0	10M	BPSK	1	1	Front	10mm	4	158600	793	24.31	24.40	1.021	0.01	0.336	0.343
	FR1 n14_Ant 0	10M	BPSK	25	14	Front	10mm	4	158600	793	24.28	24.40	1.028	0.08	0.323	0.332
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	10mm	4	158600	793	24.31	24.40	1.021	0.01	0.471	0.481
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	10mm	4	158600	793	24.28	24.40	1.028	-0.17	0.465	0.478
55	FR1 n14_Ant 0	10M	BPSK	1	1	Left Edge	10mm	4	158600	793	24.31	24.40	1.021	0	0.555	0.567
	FR1 n14_Ant 0	10M	BPSK	25	14	Left Edge	10mm	4	158600	793	24.28	24.40	1.028	-0.03	0.512	0.526
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	10mm	4	158600	793	24.31	24.40	1.021	0.14	0.207	0.211
	FR1 n14_Ant 0	10M	BPSK	25	14	Right Edge	10mm	4	158600	793	24.28	24.40	1.028	0.11	0.194	0.199
	FR1 n14_Ant 0	10M	BPSK	1	1	Bottom Edge	10mm	4	158600	793	24.31	24.40	1.021	-0.05	0.542	0.553
	FR1 n14_Ant 0	10M	BPSK	25	14	Bottom Edge	10mm	4	158600	793	24.28	24.40	1.028	0.18	0.488	0.502
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	10mm	4	158600	793	24.15	25.00	1.216	0.08	0.187	0.227
	FR1 n14_Ant 1	10M	BPSK	25	14	Front	10mm	4	158600	793	24.12	25.00	1.225	0.02	0.192	0.235
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	10mm	4	158600	793	24.15	25.00	1.216	0.01	0.192	0.234
	FR1 n14_Ant 1	10M	BPSK	25	14	Back	10mm	4	158600	793	24.12	25.00	1.225	0	0.193	0.236
	FR1 n14_Ant 1	10M	BPSK	1	1	Left Edge	10mm	4	158600	793	24.15	25.00	1.216	-0.08	0.341	0.415
	FR1 n14_Ant 1	10M	BPSK	25	14	Left Edge	10mm	4	158600	793	24.12	25.00	1.225	0.01	0.346	0.424
	FR1 n14_Ant 1	10M	BPSK	1	1	Right Edge	10mm	4	158600	793	24.15	25.00	1.216	-0.08	0.154	0.187
	FR1 n14_Ant 1	10M	BPSK	25	14	Right Edge	10mm	4	158600	793	24.12	25.00	1.225	0.1	0.156	0.191
	FR1 n14_Ant 1	10M	BPSK	1	1	Top Edge	10mm	4	158600	793	24.15	25.00	1.216	-0.18	0.149	0.181
	FR1 n14_Ant 1	10M	BPSK	25	14	Top Edge	10mm	4	158600	793	24.12	25.00	1.225	0.1	0.154	0.189

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 n25_Ant 2	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	21.33	22.10	1.194	0.1	0.282	0.337
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	4	376500	1882.5	21.34	22.10	1.191	-0.07	0.295	0.351
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	21.33	22.10	1.194	0.1	0.292	0.349
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	4	376500	1882.5	21.34	22.10	1.191	-0.05	0.303	0.361
	FR1 n25_Ant 2	40M	BPSK	1	1	Left Edge	10mm	4	376500	1882.5	21.33	22.10	1.194	0.08	0.001	0.001
	FR1 n25_Ant 2	40M	BPSK	108	54	Left Edge	10mm	4	376500	1882.5	21.34	22.10	1.191	0.01	0.001	0.001
	FR1 n25_Ant 2	40M	BPSK	1	1	Right Edge	10mm	4	376500	1882.5	21.33	22.10	1.194	0.03	0.370	0.442
	FR1 n25_Ant 2	40M	BPSK	108	54	Right Edge	10mm	4	376500	1882.5	21.34	22.10	1.191	-0.01	0.398	0.474
	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom Edge	10mm	4	376500	1882.5	21.33	22.10	1.194	-0.08	0.071	0.085
	FR1 n25_Ant 2	40M	BPSK	108	54	Bottom Edge	10mm	4	376500	1882.5	21.34	22.10	1.191	-0.08	0.064	0.076
	FR1 n25_Ant 0	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	16.80	18.40	1.445	-0.1	0.293	0.424
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	4	376500	1882.5	16.80	18.40	1.445	0.01	0.287	0.415
	FR1 n25_Ant 0	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	16.80	18.40	1.445	0.03	0.309	0.447
	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	4	376500	1882.5	16.80	18.40	1.445	0	0.349	0.504
	FR1 n25_Ant 0	40M	BPSK	1	1	Left Edge	10mm	4	376500	1882.5	16.80	18.40	1.445	-0.08	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	108	54	Left Edge	10mm	4	376500	1882.5	16.80	18.40	1.445	0.1	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	1	1	Right Edge	10mm	4	376500	1882.5	16.80	18.40	1.445	-0.18	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	108	54	Right Edge	10mm	4	376500	1882.5	16.80	18.40	1.445	0.1	0.001	0.001
	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Edge	10mm	4	376500	1882.5	16.80	18.40	1.445	0.12	0.523	0.756
	FR1 n25_Ant 0	40M	BPSK	108	54	Bottom Edge	10mm	4	376500	1882.5	16.80	18.40	1.445	-0.02	0.539	0.779
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	22.02	22.50	1.117	-0.03	0.345	0.385
	FR1 n25_Ant 1	40M	BPSK	108	54	Front	10mm	4	376500	1882.5	22.00	22.50	1.122	-0.16	0.431	0.484
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	22.02	22.50	1.117	0.06	0.570	0.637
	FR1 n25_Ant 1	40M	BPSK	108	54	Back	10mm	4	376500	1882.5	22.00	22.50	1.122	0.01	0.613	0.688
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Edge	10mm	4	376500	1882.5	22.02	22.50	1.117	-0.01	0.280	0.313
	FR1 n25_Ant 1	40M	BPSK	108	54	Left Edge	10mm	4	376500	1882.5	22.00	22.50	1.122	-0.04	0.231	0.259
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	10mm	4	376500	1882.5	22.02	22.50	1.117	-0.08	0.001	0.001
	FR1 n25_Ant 1	40M	BPSK	108	54	Right Edge	10mm	4	376500	1882.5	22.00	22.50	1.122	-0.13	0.001	0.001
	FR1 n25_Ant 1	40M	BPSK	1	1	Top Edge	10mm	4	376500	1882.5	22.02	22.50	1.117	-0.13	0.559	0.624
	FR1 n25_Ant 1	40M	BPSK	108	54	Top Edge	10mm	4	376500	1882.5	22.00	22.50	1.122	-0.07	0.668	0.750
	FR1 n25_Ant 5	40M	BPSK	1	1	Front	10mm	4	376500	1882.5	23.28	24.20	1.236	0.19	0.257	0.318
	FR1 n25_Ant 5	40M	BPSK	108	54	Front	10mm	4	376500	1882.5	23.25	24.20	1.245	-0.06	0.301	0.375
	FR1 n25_Ant 5	40M	BPSK	1	1	Back	10mm	4	376500	1882.5	23.28	24.20	1.236	-0.18	0.418	0.517
	FR1 n25_Ant 5	40M	BPSK	108	54	Back	10mm	4	376500	1882.5	23.25	24.20	1.245	-0.05	0.457	0.569
	FR1 n25_Ant 5	40M	BPSK	1	1	Left Edge	10mm	4	376500	1882.5	23.28	24.20	1.236	0.03	0.093	0.115
	FR1 n25_Ant 5	40M	BPSK	108	54	Left Edge	10mm	4	376500	1882.5	23.25	24.20	1.245	-0.15	0.093	0.116
	FR1 n25_Ant 5	40M	BPSK	1	1	Right Edge	10mm	4	376500	1882.5	23.28	24.20	1.236	-0.15	0.662	0.818
56	FR1 n25_Ant 5	40M	BPSK	108	54	Right Edge	10mm	4	376500	1882.5	23.25	24.20	1.245	0.01	0.669	0.833
	FR1 n25_Ant 5	40M	BPSK	216	0	Right Edge	10mm	4	376500	1882.5	22.74	24.00	1.337	-0.15	0.602	0.805
	FR1 n25_Ant 5	40M	BPSK	1	1	Top Edge	10mm	4	376500	1882.5	23.28	24.20	1.236	-0.08	0.501	0.619
	FR1 n25_Ant 5	40M	BPSK	108	54	Top Edge	10mm	4	376500	1882.5	23.25	24.20	1.245	-0.17	0.363	0.452

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	Front	10mm	4	166300	831.5	24.33	25.00	1.167	0.01	0.288	0.336
	FR1 n26_Ant 0	20M	BPSK	50	28	Front	10mm	4	166300	831.5	24.30	25.00	1.175	0.01	0.279	0.328
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	10mm	4	166300	831.5	24.33	25.00	1.167	0.01	0.493	0.575
	FR1 n26_Ant 0	20M	BPSK	50	28	Back	10mm	4	166300	831.5	24.30	25.00	1.175	0.03	0.477	0.560
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Edge	10mm	4	166300	831.5	24.33	25.00	1.167	-0.02	0.357	0.417
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Edge	10mm	4	166300	831.5	24.30	25.00	1.175	-0.08	0.303	0.356
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	10mm	4	166300	831.5	24.33	25.00	1.167	0.1	0.156	0.182
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	10mm	4	166300	831.5	24.30	25.00	1.175	-0.18	0.144	0.169
57	FR1 n26_Ant 0	20M	BPSK	1	1	Bottom Edge	10mm	4	166300	831.5	24.33	25.00	1.167	0.02	0.523	0.610
	FR1 n26_Ant 0	20M	BPSK	50	28	Bottom Edge	10mm	4	166300	831.5	24.30	25.00	1.175	0.1	0.438	0.515
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	10mm	4	166300	831.5	24.10	24.70	1.148	0.12	0.121	0.139
	FR1 n26_Ant 1	20M	BPSK	50	28	Front	10mm	4	166300	831.5	24.06	24.70	1.159	-0.02	0.130	0.151
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	10mm	4	166300	831.5	24.10	24.70	1.148	0.1	0.179	0.206
	FR1 n26_Ant 1	20M	BPSK	50	28	Back	10mm	4	166300	831.5	24.06	24.70	1.159	-0.03	0.196	0.227
	FR1 n26_Ant 1	20M	BPSK	1	1	Left Edge	10mm	4	166300	831.5	24.10	24.70	1.148	-0.18	0.191	0.219
	FR1 n26_Ant 1	20M	BPSK	50	28	Left Edge	10mm	4	166300	831.5	24.06	24.70	1.159	-0.01	0.217	0.251
	FR1 n26_Ant 1	20M	BPSK	1	1	Right Edge	10mm	4	166300	831.5	24.10	24.70	1.148	0.08	0.091	0.104
	FR1 n26_Ant 1	20M	BPSK	50	28	Right Edge	10mm	4	166300	831.5	24.06	24.70	1.159	-0.17	0.107	0.124
	FR1 n26_Ant 1	20M	BPSK	1	1	Top Edge	10mm	4	166300	831.5	24.10	24.70	1.148	-0.03	0.156	0.179
	FR1 n26_Ant 1	20M	BPSK	50	28	Top Edge	10mm	4	166300	831.5	24.06	24.70	1.159	0.14	0.169	0.196
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	4	462000	2310	20.38	21.10	1.180	-0.01	0.248	0.293
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	4	462000	2310	20.43	21.10	1.167	0.14	0.237	0.277
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	4	462000	2310	20.38	21.10	1.180	0.11	0.234	0.276
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	4	462000	2310	20.43	21.10	1.167	0.11	0.228	0.266
	FR1 n30_Ant 2	10M	BPSK	1	1	Left Edge	10mm	4	462000	2310	20.38	21.10	1.180	-0.05	0.001	0.001
	FR1 n30_Ant 2	10M	BPSK	25	14	Left Edge	10mm	4	462000	2310	20.43	21.10	1.167	0.18	0.001	0.001
	FR1 n30_Ant 2	10M	BPSK	1	1	Right Edge	10mm	4	462000	2310	20.38	21.10	1.180	0.14	0.256	0.302
	FR1 n30_Ant 2	10M	BPSK	25	14	Right Edge	10mm	4	462000	2310	20.43	21.10	1.167	-0.14	0.263	0.307
	FR1 n30_Ant 2	10M	BPSK	1	1	Bottom Edge	10mm	4	462000	2310	20.38	21.10	1.180	-0.17	0.082	0.097
	FR1 n30_Ant 2	10M	BPSK	25	14	Bottom Edge	10mm	4	462000	2310	20.43	21.10	1.167	0.17	0.081	0.095
	FR1 n30_Ant 0	10M	BPSK	1	1	Front	10mm	4	462000	2310	17.09	18.80	1.483	-0.08	0.148	0.219
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	4	462000	2310	17.04	18.80	1.500	0.08	0.182	0.273
	FR1 n30_Ant 0	10M	BPSK	1	1	Back	10mm	4	462000	2310	17.09	18.80	1.483	-0.08	0.186	0.276
	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	4	462000	2310	17.04	18.80	1.500	-0.12	0.262	0.393
	FR1 n30_Ant 0	10M	BPSK	1	1	Left Edge	10mm	4	462000	2310	17.09	18.80	1.483	0.1	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	25	14	Left Edge	10mm	4	462000	2310	17.04	18.80	1.500	-0.18	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	1	1	Right Edge	10mm	4	462000	2310	17.09	18.80	1.483	0.1	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	25	14	Right Edge	10mm	4	462000	2310	17.04	18.80	1.500	0.12	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	1	1	Bottom Edge	10mm	4	462000	2310	17.09	18.80	1.483	0.08	0.397	0.589
58	FR1 n30_Ant 0	10M	BPSK	25	14	Bottom Edge	10mm	4	462000	2310	17.04	18.80	1.500	-0.11	0.453	0.679

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)
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	20.95	21.20	1.059			0	0.319	0.338
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	10mm	4	518598	2592.99	20.75	21.20	1.109			0.08	0.274	0.304
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	20.95	21.20	1.059			-0.11	0.304	0.322
	FR1 n41_Ant 2	100M	BPSK	135	69	Back	10mm	4	518598	2592.99	20.75	21.20	1.109			0.01	0.251	0.278
	FR1 n41_Ant 2	100M	BPSK	1	1	Left Edge	10mm	4	518598	2592.99	20.95	21.20	1.059			-0.18	0.037	0.039
	FR1 n41_Ant 2	100M	BPSK	135	69	Left Edge	10mm	4	518598	2592.99	20.75	21.20	1.109			0.1	0.001	0.001
	FR1 n41_Ant 2	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	20.95	21.20	1.059			-0.01	0.470	0.498
	FR1 n41_Ant 2	100M	BPSK	135	69	Right Edge	10mm	4	518598	2592.99	20.75	21.20	1.109			0.03	0.371	0.412
	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom Edge	10mm	4	518598	2592.99	20.95	21.20	1.059			-0.08	0.120	0.127
	FR1 n41_Ant 2	100M	BPSK	135	69	Bottom Edge	10mm	4	518598	2592.99	20.75	21.20	1.109			-0.08	0.132	0.146
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	24.10	24.20	1.023	50	1.000	0.1	0.465	0.476
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	19.90	21.10	1.318			-0.07	0.280	0.369
	FR1 n41_Ant 0	100M	BPSK	135	138	Front	10mm	4	518598	2592.99	19.68	21.10	1.387			0.08	0.229	0.318
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	19.90	21.10	1.318			-0.14	0.343	0.452
	FR1 n41_Ant 0	100M	BPSK	135	138	Back	10mm	4	518598	2592.99	19.68	21.10	1.387			0.01	0.289	0.401
	FR1 n41_Ant 0	100M	BPSK	1	1	Left Edge	10mm	4	518598	2592.99	19.90	21.10	1.318			-0.18	0.064	0.084
	FR1 n41_Ant 0	100M	BPSK	135	138	Left Edge	10mm	4	518598	2592.99	19.68	21.10	1.387			-0.08	0.057	0.079
	FR1 n41_Ant 0	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	19.90	21.10	1.318			-0.08	0.057	0.075
	FR1 n41_Ant 0	100M	BPSK	135	138	Right Edge	10mm	4	518598	2592.99	19.68	21.10	1.387			0.1	0.060	0.083
	FR1 n41_Ant 0	100M	BPSK	1	1	Bottom Edge	10mm	4	518598	2592.99	19.90	21.10	1.318			0.01	0.637	0.840
	FR1 n41_Ant 0	100M	BPSK	135	138	Bottom Edge	10mm	4	518598	2592.99	19.68	21.10	1.387			-0.18	0.514	0.713
	FR1 n41_Ant 0	100M	BPSK	270	0	Bottom Edge	10mm	4	518598	2592.99	19.62	21.10	1.406			0.1	0.497	0.699
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Bottom Edge	10mm	4	518598	2592.99	22.95	24.30	1.365	50	1.000	0.12	0.599	0.817
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	21.04	21.70	1.164			0.08	0.123	0.143
	FR1 n41_Ant 1	100M	BPSK	135	69	Front	10mm	4	518598	2592.99	20.71	21.70	1.256			0.01	0.140	0.176
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	21.04	21.70	1.164			0.03	0.258	0.300
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	10mm	4	518598	2592.99	20.71	21.70	1.256			-0.08	0.234	0.294
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	518598	2592.99	21.04	21.70	1.164			0.02	0.336	0.391
	FR1 n41_Ant 1	100M	BPSK	135	69	Left Edge	10mm	4	518598	2592.99	20.71	21.70	1.256			0.1	0.273	0.343
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	21.04	21.70	1.164			0	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	135	69	Right Edge	10mm	4	518598	2592.99	20.71	21.70	1.256			0	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	10mm	4	518598	2592.99	21.04	21.70	1.164			0.12	0.097	0.113
	FR1 n41_Ant 1	100M	BPSK	135	69	Top Edge	10mm	4	518598	2592.99	20.71	21.70	1.256			0.08	0.091	0.114
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	518598	2592.99	24.36	24.70	1.081	50	1.000	0.12	0.359	0.388
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	4	518598	2592.99	23.03	23.50	1.114			0.04	0.282	0.314
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	4	518598	2592.99	22.91	23.50	1.146			0.01	0.218	0.250
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	4	518598	2592.99	23.03	23.50	1.114			-0.01	0.538	0.599
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	4	518598	2592.99	22.91	23.50	1.146			0.03	0.372	0.426
	FR1 n41_Ant 5	100M	BPSK	1	1	Left Edge	10mm	4	518598	2592.99	23.03	23.50	1.114			0.08	0.001	0.001
	FR1 n41_Ant 5	100M	BPSK	135	69	Left Edge	10mm	4	518598	2592.99	22.91	23.50	1.146			0.01	0.001	0.001
59	FR1 n41_Ant 5	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	23.03	23.50	1.114			-0.02	0.760	0.847
	FR1 n41_Ant 5	100M	BPSK	135	69	Right Edge	10mm	4	518598	2592.99	22.91	23.50	1.146			0.03	0.507	0.581
	FR1 n41_Ant 5	100M	BPSK	270	0	Right Edge	10mm	4	518598	2592.99	22.83	23.50	1.167			0.11	0.518	0.604
	FR1 n41_Ant 5	100M	BPSK	1	1	Top Edge	10mm	4	518598	2592.99	23.03	23.50	1.114			-0.08	0.099	0.110
	FR1 n41_Ant 5	100M	BPSK	135	69	Top Edge	10mm	4	518598	2592.99	22.91	23.50	1.146			-0.08	0.088	0.101
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Right Edge	10mm	4	518598	2592.99	26.05	26.50	1.109	50	1.000	0.1	0.763	0.846

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	104	Front	10mm	4	641666	3624.99	20.15	20.70	1.135	-0.06	0.249	0.283
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	20.10	20.70	1.148	0.04	0.234	0.269
	FR1 n48_Ant 6	40M	BPSK	1	104	Back	10mm	4	641666	3624.99	20.15	20.70	1.135	-0.01	0.248	0.281
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	4	641666	3624.99	20.10	20.70	1.148	-0.08	0.243	0.279
	FR1 n48_Ant 6	40M	BPSK	1	104	Left Edge	10mm	4	641666	3624.99	20.15	20.70	1.135	-0.07	0.400	0.454
	FR1 n48_Ant 6	40M	BPSK	50	25	Left Edge	10mm	4	641666	3624.99	20.10	20.70	1.148	0.06	0.393	0.451
	FR1 n48_Ant 6	40M	BPSK	1	104	Right Edge	10mm	4	641666	3624.99	20.15	20.70	1.135	-0.09	0.001	0.001
	FR1 n48_Ant 6	40M	BPSK	50	25	Right Edge	10mm	4	641666	3624.99	20.10	20.70	1.148	-0.08	0.001	0.001
	FR1 n48_Ant 6	40M	BPSK	1	104	Bottom Edge	10mm	4	641666	3624.99	20.15	20.70	1.135	0.13	0.097	0.110
	FR1 n48_Ant 6	40M	BPSK	50	25	Bottom Edge	10mm	4	641666	3624.99	20.10	20.70	1.148	0.12	0.091	0.104
	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	4	641666	3624.99	18.21	19.00	1.199	0.05	0.206	0.247
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	4	641666	3624.985	18.19	19.00	1.205	-0.06	0.212	0.255
	FR1 n48_Ant 7	40M	BPSK	1	1	Back	10mm	4	641666	3624.99	18.21	19.00	1.199	0.06	0.259	0.311
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	10mm	4	641666	3624.985	18.19	19.00	1.205	0.12	0.269	0.324
	FR1 n48_Ant 7	40M	BPSK	1	1	Left Edge	10mm	4	641666	3624.99	18.21	19.00	1.199	0	0.001	0.001
	FR1 n48_Ant 7	40M	BPSK	50	25	Left Edge	10mm	4	641666	3624.99	18.19	19.00	1.205	0	0.001	0.001
	FR1 n48_Ant 7	40M	BPSK	1	1	Right Edge	10mm	4	641666	3624.99	18.21	19.00	1.199	0.12	0.530	0.636
60	FR1 n48_Ant 7	20M	BPSK	1	1	Right Edge	10mm	4	637334	3560.005	18.20	19.00	1.202	-0.04	0.616	0.741
	FR1 n48_Ant 7	20M	BPSK	1	1	Right Edge	10mm	4	646000	3690	18.19	19.00	1.205	0.03	0.439	0.529
	FR1 n48_Ant 7	40M	BPSK	50	25	Right Edge	10mm	4	641666	3624.99	18.19	19.00	1.205	0.18	0.524	0.631
	FR1 n48_Ant 7	20M	BPSK	25	12	Right Edge	10mm	4	637334	3560.01	18.18	19.00	1.208	0.16	0.515	0.622
	FR1 n48_Ant 7	30M	BPSK	36	18	Right Edge	10mm	4	645666	3684.99	18.18	19.00	1.208	-0.1	0.504	0.609
	FR1 n48_Ant 7	20M	BPSK	50	0	Right Edge	10mm	4	641666	3624.99	18.10	19.00	1.230	0.07	0.500	0.615
	FR1 n48_Ant 7	40M	BPSK	1	1	Bottom Edge	10mm	4	641666	3624.99	18.21	19.00	1.199	0.18	0.142	0.170
	FR1 n48_Ant 7	40M	BPSK	50	25	Bottom Edge	10mm	4	641666	3624.99	18.19	19.00	1.205	-0.1	0.131	0.158
	FR1 n48_Ant 1	40M	BPSK	1	104	Front	10mm	4	641666	3624.99	19.72	20.50	1.197	0.03	0.209	0.250
	FR1 n48_Ant 1	20M	BPSK	1	49	Front	10mm	4	641666	3624.99	21.26	21.80	1.132	0.07	0.292	0.331
	FR1 n48_Ant 1	40M	BPSK	50	25	Front	10mm	4	641666	3624.99	21.25	21.80	1.135	0.15	0.297	0.337
	FR1 n48_Ant 1	40M	BPSK	1	104	Back	10mm	4	641666	3624.99	19.72	20.50	1.197	0.16	0.219	0.262
	FR1 n48_Ant 1	20M	BPSK	1	49	Back	10mm	4	641666	3624.99	21.26	21.80	1.132	-0.18	0.308	0.349
	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	4	641666	3624.99	21.25	21.80	1.135	-0.11	0.315	0.358
	FR1 n48_Ant 1	40M	BPSK	1	104	Left Edge	10mm	4	641666	3624.99	19.72	20.50	1.197	0.07	0.323	0.387
	FR1 n48_Ant 1	20M	BPSK	1	49	Left Edge	10mm	4	641666	3624.99	21.26	21.80	1.132	0.03	0.422	0.478
	FR1 n48_Ant 1	40M	BPSK	50	25	Left Edge	10mm	4	641666	3624.99	21.25	21.80	1.135	-0.19	0.445	0.505
	FR1 n48_Ant 1	40M	BPSK	1	104	Right Edge	10mm	4	641666	3624.99	19.72	20.50	1.197	-0.1	0.154	0.184
	FR1 n48_Ant 1	20M	BPSK	1	49	Right Edge	10mm	4	641666	3624.99	21.26	21.80	1.132	-0.15	0.205	0.232
	FR1 n48_Ant 1	40M	BPSK	50	25	Right Edge	10mm	4	641666	3624.99	21.25	21.80	1.135	0.01	0.214	0.243
	FR1 n48_Ant 1	40M	BPSK	1	104	Top Edge	10mm	4	641666	3624.99	19.72	20.50	1.197	-0.15	0.340	0.407
	FR1 n48_Ant 1	20M	BPSK	1	49	Top Edge	10mm	4	641666	3624.99	21.26	21.80	1.132	-0.15	0.444	0.503
	FR1 n48_Ant 1	40M	BPSK	50	25	Top Edge	10mm	4	641666	3624.99	21.25	21.80	1.135	-0.07	0.490	0.556
	FR1 n48_Ant 5	40M	BPSK	1	1	Front	10mm	4	641666	3624.99	19.07	20.50	1.390	0.08	0.111	0.154
	FR1 n48_Ant 5	20M	BPSK	1	49	Front	10mm	4	641666	3624.99	22.99	24.40	1.384	0.01	0.249	0.345
	FR1 n48_Ant 5	40M	BPSK	50	25	Front	10mm	4	641666	3624.985	22.92	24.40	1.406	0.07	0.252	0.354
	FR1 n48_Ant 5	40M	BPSK	1	1	Back	10mm	4	641666	3624.99	19.07	20.50	1.390	0.03	0.131	0.182
	FR1 n48_Ant 5	20M	BPSK	1	49	Back	10mm	4	641666	3624.99	22.99	24.40	1.384	-0.08	0.326	0.451
	FR1 n48_Ant 5	40M	BPSK	50	25	Back	10mm	4	641666	3624.985	22.92	24.40	1.406	0.05	0.329	0.463
	FR1 n48_Ant 5	40M	BPSK	1	1	Left Edge	10mm	4	641666	3624.99	19.07	20.50	1.390	-0.08	0.034	0.047
	FR1 n48_Ant 5	20M	BPSK	1	49	Left Edge	10mm	4	641666	3624.99	22.99	24.40	1.384	0.1	0.079	0.109
	FR1 n48_Ant 5	40M	BPSK	50	25	Left Edge	10mm	4	641666	3624.99	22.92	24.40	1.406	-0.18	0.085	0.120
	FR1 n48_Ant 5	40M	BPSK	1	1	Right Edge	10mm	4	641666	3624.99	19.07	20.50	1.390	0.1	0.102	0.142
	FR1 n48_Ant 5	20M	BPSK	1	49	Right Edge	10mm	4	641666	3624.99	22.99	24.40	1.384	0.12	0.280	0.387
	FR1 n48_Ant 5	40M	BPSK	50	25	Right Edge	10mm	4	641666	3624.985	22.92	24.40	1.406	-0.01	0.283	0.398
	FR1 n48_Ant 5	40M	BPSK	1	1	Top Edge	10mm	4	641666	3624.99	19.07	20.50	1.390	-0.17	0.121	0.168
	FR1 n48_Ant 5	20M	BPSK	1	49	Top Edge	10mm	4	641666	3624.99	22.99	24.40	1.384	-0.03	0.208	0.288
	FR1 n48_Ant 5	40M	BPSK	50	25	Top Edge	10mm	4	641666	3624.99	22.92	24.40	1.406	0.14	0.214	0.301

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n66_Ant 2	40M	BPSK	1	1	Front	10mm	4	349000	1745	21.84	22.60	1.191	0.06	0.280	0.334
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	4	349000	1745	21.82	22.60	1.197	-0.08	0.275	0.329
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	4	349000	1745	21.84	22.60	1.191	-0.03	0.269	0.320
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	4	349000	1745	21.82	22.60	1.197	0.05	0.254	0.304
	FR1 n66_Ant 2	40M	BPSK	1	1	Left Edge	10mm	4	349000	1745	21.84	22.60	1.191	-0.09	0.001	0.001
	FR1 n66_Ant 2	40M	BPSK	108	54	Left Edge	10mm	4	349000	1745	21.82	22.60	1.197	-0.08	0.001	0.001
	FR1 n66_Ant 2	40M	BPSK	1	1	Right Edge	10mm	4	349000	1745	21.84	22.60	1.191	0.13	0.353	0.421
	FR1 n66_Ant 2	40M	BPSK	108	54	Right Edge	10mm	4	349000	1745	21.82	22.60	1.197	0	0.366	0.438
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom Edge	10mm	4	349000	1745	21.84	22.60	1.191	0.12	0.173	0.206
	FR1 n66_Ant 2	40M	BPSK	108	54	Bottom Edge	10mm	4	349000	1745	21.82	22.60	1.197	0.03	0.166	0.199
	FR1 n66_Ant 0	40M	BPSK	1	1	Front	10mm	4	349000	1745	17.71	19.10	1.377	-0.05	0.240	0.331
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	4	349000	1745	17.79	19.10	1.352	0.18	0.248	0.335
	FR1 n66_Ant 0	40M	BPSK	1	1	Back	10mm	4	349000	1745	17.71	19.10	1.377	0.14	0.319	0.439
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	4	349000	1745	17.79	19.10	1.352	-0.09	0.330	0.446
	FR1 n66_Ant 0	40M	BPSK	1	1	Left Edge	10mm	4	349000	1745	17.71	19.10	1.377	0.17	0.054	0.074
	FR1 n66_Ant 0	40M	BPSK	108	54	Left Edge	10mm	4	349000	1745	17.79	19.10	1.352	-0.19	0.060	0.081
	FR1 n66_Ant 0	40M	BPSK	1	1	Right Edge	10mm	4	349000	1745	17.71	19.10	1.377	0.01	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	108	54	Right Edge	10mm	4	349000	1745	17.79	19.10	1.352	0.1	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	1	1	Bottom Edge	10mm	4	349000	1745	17.71	19.10	1.377	0.17	0.543	0.748
	FR1 n66_Ant 0	40M	BPSK	108	54	Bottom Edge	10mm	4	349000	1745	17.79	19.10	1.352	-0.17	0.533	0.721
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	4	349000	1745	22.99	23.20	1.050	-0.13	0.453	0.475
	FR1 n66_Ant 1	40M	BPSK	108	54	Front	10mm	4	349000	1745	22.97	23.20	1.054	-0.11	0.499	0.526
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	4	349000	1745	22.99	23.20	1.050	-0.12	0.628	0.659
	FR1 n66_Ant 1	40M	BPSK	108	54	Back	10mm	4	349000	1745	22.97	23.20	1.054	-0.12	0.733	0.773
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Edge	10mm	4	349000	1745	22.99	23.20	1.050	0.1	0.199	0.209
	FR1 n66_Ant 1	40M	BPSK	108	54	Left Edge	10mm	4	349000	1745	22.97	23.20	1.054	-0.02	0.234	0.247
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	10mm	4	349000	1745	22.99	23.20	1.050	0.1	0.160	0.168
	FR1 n66_Ant 1	40M	BPSK	108	54	Right Edge	10mm	4	349000	1745	22.97	23.20	1.054	0.12	0.131	0.138
	FR1 n66_Ant 1	40M	BPSK	1	1	Top Edge	10mm	4	349000	1745	22.99	23.20	1.050	0.08	0.680	0.714
61	FR1 n66_Ant 1	40M	BPSK	108	54	Top Edge	10mm	4	349000	1745	22.97	23.20	1.054	-0.06	0.799	0.842
	FR1 n66_Ant 1	40M	BPSK	216	0	Top Edge	10mm	4	349000	1745	22.91	23.20	1.069	-0.12	0.625	0.668
	FR1 n66_Ant 5	40M	BPSK	1	1	Front	10mm	4	349000	1745	23.43	24.00	1.140	0.05	0.323	0.368
	FR1 n66_Ant 5	40M	BPSK	108	54	Front	10mm	4	349000	1745	23.41	24.00	1.146	0.02	0.434	0.497
	FR1 n66_Ant 5	40M	BPSK	1	1	Back	10mm	4	349000	1745	23.43	24.00	1.140	0.03	0.409	0.466
	FR1 n66_Ant 5	40M	BPSK	108	54	Back	10mm	4	349000	1745	23.41	24.00	1.146	-0.1	0.494	0.566
	FR1 n66_Ant 5	40M	BPSK	1	1	Left Edge	10mm	4	349000	1745	23.43	24.00	1.140	0.08	0.075	0.086
	FR1 n66_Ant 5	40M	BPSK	108	54	Left Edge	10mm	4	349000	1745	23.41	24.00	1.146	0.01	0.088	0.101
	FR1 n66_Ant 5	40M	BPSK	1	1	Right Edge	10mm	4	349000	1745	23.43	24.00	1.140	0.03	0.613	0.699
	FR1 n66_Ant 5	40M	BPSK	108	54	Right Edge	10mm	4	349000	1745	23.41	24.00	1.146	-0.05	0.726	0.832
	FR1 n66_Ant 5	40M	BPSK	216	0	Right Edge	10mm	4	349000	1745	22.91	24.00	1.285	0.05	0.575	0.739
	FR1 n66_Ant 5	40M	BPSK	1	1	Top Edge	10mm	4	349000	1745	23.43	24.00	1.140	-0.08	0.285	0.325
	FR1 n66_Ant 5	40M	BPSK	108	54	Top Edge	10mm	4	349000	1745	23.41	24.00	1.146	-0.08	0.337	0.386

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	21.49	22.60	1.291	0.08	0.228	0.294
	FR1 n70_Ant 2	15M	BPSK	36	22	Front	10mm	4	340500	1702.5	21.47	22.60	1.297	-0.1	0.236	0.306
	FR1 n70_Ant 2	15M	BPSK	1	1	Back	10mm	4	340500	1702.5	21.49	22.60	1.291	0.03	0.191	0.247
	FR1 n70_Ant 2	15M	BPSK	36	22	Back	10mm	4	340500	1702.5	21.47	22.60	1.297	0.01	0.202	0.262
	FR1 n70_Ant 2	15M	BPSK	1	1	Left Edge	10mm	4	340500	1702.5	21.49	22.60	1.291	-0.08	0.042	0.054
	FR1 n70_Ant 2	15M	BPSK	36	22	Left Edge	10mm	4	340500	1702.5	21.47	22.60	1.297	-0.08	0.001	0.001
	FR1 n70_Ant 2	15M	BPSK	1	1	Right Edge	10mm	4	340500	1702.5	21.49	22.60	1.291	-0.06	0.284	0.367
	FR1 n70_Ant 2	15M	BPSK	36	22	Right Edge	10mm	4	340500	1702.5	21.47	22.60	1.297	0.1	0.276	0.358
	FR1 n70_Ant 2	15M	BPSK	1	1	Bottom Edge	10mm	4	340500	1702.5	21.49	22.60	1.291	-0.18	0.122	0.158
	FR1 n70_Ant 2	15M	BPSK	36	22	Bottom Edge	10mm	4	340500	1702.5	21.47	22.60	1.297	0.1	0.139	0.180
	FR1 n70_Ant 0	15M	BPSK	1	1	Front	10mm	4	340500	1702.5	17.48	19.00	1.419	-0.03	0.314	0.446
	FR1 n70_Ant 0	15M	BPSK	36	22	Front	10mm	4	340500	1702.5	17.48	19.00	1.419	-0.13	0.315	0.447
	FR1 n70_Ant 0	15M	BPSK	1	1	Back	10mm	4	340500	1702.5	17.48	19.00	1.419	-0.19	0.389	0.552
	FR1 n70_Ant 0	15M	BPSK	36	22	Back	10mm	4	340500	1702.5	17.48	19.00	1.419	-0.05	0.387	0.549
	FR1 n70_Ant 0	15M	BPSK	1	1	Left Edge	10mm	4	340500	1702.5	17.48	19.00	1.419	0.18	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	36	22	Left Edge	10mm	4	340500	1702.5	17.48	19.00	1.419	-0.1	0.060	0.085
	FR1 n70_Ant 0	15M	BPSK	1	1	Right Edge	10mm	4	340500	1702.5	17.48	19.00	1.419	-0.17	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	36	22	Right Edge	10mm	4	340500	1702.5	17.48	19.00	1.419	0.17	0.001	0.001
62	FR1 n70_Ant 0	15M	BPSK	1	1	Bottom Edge	10mm	4	340500	1702.5	17.48	19.00	1.419	-0.03	0.533	0.756
	FR1 n70_Ant 0	15M	BPSK	36	22	Bottom Edge	10mm	4	340500	1702.5	17.48	19.00	1.419	-0.05	0.513	0.728
	FR1 n71_Ant 0	20M	BPSK	1	1	Front	10mm	4	136100	680.5	24.35	25.00	1.161	-0.17	0.164	0.190
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	4	136100	680.5	24.34	25.00	1.164	-0.01	0.166	0.193
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	10mm	4	136100	680.5	24.35	25.00	1.161	-0.01	0.186	0.216
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	4	136100	680.5	24.34	25.00	1.164	-0.19	0.217	0.253
63	FR1 n71_Ant 0	20M	BPSK	1	1	Left Edge	10mm	4	136100	680.5	24.35	25.00	1.161	-0.01	0.312	0.362
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Edge	10mm	4	136100	680.5	24.34	25.00	1.164	-0.08	0.217	0.253
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	10mm	4	136100	680.5	24.35	25.00	1.161	0.05	0.115	0.134
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Edge	10mm	4	136100	680.5	24.34	25.00	1.164	0.06	0.124	0.144
	FR1 n71_Ant 0	20M	BPSK	1	1	Bottom Edge	10mm	4	136100	680.5	24.35	25.00	1.161	-0.09	0.110	0.128
	FR1 n71_Ant 0	20M	BPSK	50	28	Bottom Edge	10mm	4	136100	680.5	24.34	25.00	1.164	-0.08	0.126	0.147
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	10mm	4	136100	680.5	24.56	25.00	1.107	0.03	0.139	0.154
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	4	136100	680.5	24.55	25.00	1.109	-0.02	0.154	0.171
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	10mm	4	136100	680.5	24.56	25.00	1.107	-0.08	0.141	0.156
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	4	136100	680.5	24.55	25.00	1.109	0.01	0.156	0.173
	FR1 n71_Ant 1	20M	BPSK	1	1	Left Edge	10mm	4	136100	680.5	24.56	25.00	1.107	0.1	0.287	0.318
	FR1 n71_Ant 1	20M	BPSK	50	28	Left Edge	10mm	4	136100	680.5	24.55	25.00	1.109	0.01	0.292	0.324
	FR1 n71_Ant 1	20M	BPSK	1	1	Right Edge	10mm	4	136100	680.5	24.56	25.00	1.107	-0.18	0.118	0.131
	FR1 n71_Ant 1	20M	BPSK	50	28	Right Edge	10mm	4	136100	680.5	24.55	25.00	1.109	0.1	0.129	0.143
	FR1 n71_Ant 1	20M	BPSK	1	1	Top Edge	10mm	4	136100	680.5	24.56	25.00	1.107	0.12	0.132	0.146
	FR1 n71_Ant 1	20M	BPSK	50	28	Top Edge	10mm	4	136100	680.5	24.55	25.00	1.109	0.08	0.147	0.163

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)
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	4	656000	3840	20.08	20.60	1.127			-0.05	0.407	0.459
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	4	656000	3840	19.96	20.60	1.159			0.05	0.410	0.475
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	4	656000	3840	20.08	20.60	1.127			0.18	0.226	0.255
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	4	656000	3840	19.96	20.60	1.159			-0.1	0.227	0.263
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	4	656000	3840	20.08	20.60	1.127			-0.17	0.376	0.424
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Edge	10mm	4	656000	3840	19.96	20.60	1.159			-0.17	0.380	0.440
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Edge	10mm	4	656000	3840	20.08	20.60	1.127			0.17	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Edge	10mm	4	656000	3840	19.96	20.60	1.159			-0.05	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Edge	10mm	4	656000	3840	20.08	20.60	1.127			0.01	0.113	0.127
	FR1 n77_Ant 6	100M	BPSK	135	69	Bottom Edge	10mm	4	656000	3840	19.96	20.60	1.159			0.1	0.155	0.180
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	4	656000	3840	23.13	23.70	1.140	50	1.000	-0.17	0.399	0.455
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	19.93	20.60	1.167			0.08	0.134	0.156
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	4	633332	3499.98	19.82	20.60	1.197			-0.1	0.159	0.190
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	19.93	20.60	1.167			0.01	0.133	0.155
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	19.82	20.60	1.197			0.08	0.142	0.170
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	19.93	20.60	1.167			0.03	0.292	0.341
	FR1 n77_Ant 6	100M	BPSK	135	69	Left Edge	10mm	4	633332	3499.98	19.82	20.60	1.197			-0.08	0.210	0.251
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	19.93	20.60	1.167			-0.08	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	135	69	Right Edge	10mm	4	633332	3499.98	19.82	20.60	1.197			0.1	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Edge	10mm	4	633332	3499.98	19.93	20.60	1.167			-0.18	0.161	0.188
	FR1 n77_Ant 6	100M	BPSK	135	69	Bottom Edge	10mm	4	633332	3499.98	19.82	20.60	1.197			0.1	0.198	0.237
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	23.02	23.70	1.169	50	1.000	0.12	0.290	0.339
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	4	656000	3840	18.16	18.90	1.186			-0.15	0.258	0.306
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	4	656000	3840	18.01	18.90	1.227			-0.17	0.234	0.287
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	4	656000	3840	18.16	18.90	1.186			-0.03	0.292	0.346
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	4	656000	3840	18.01	18.90	1.227			-0.03	0.239	0.293
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Edge	10mm	4	656000	3840	18.16	18.90	1.186			0.08	0.001	0.001
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Edge	10mm	4	656000	3840	18.01	18.90	1.227			0.01	0.001	0.001
	FR1 n77_Ant 7	100M	BPSK	1	1	Right Edge	10mm	4	656000	3840	18.16	18.90	1.186			0.04	0.396	0.470
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Edge	10mm	4	656000	3840	18.01	18.90	1.227			0.03	0.297	0.365
	FR1 n77_Ant 7	100M	BPSK	1	1	Bottom Edge	10mm	4	656000	3840	18.16	18.90	1.186			-0.08	0.074	0.088
	FR1 n77_Ant 7	100M	BPSK	135	69	Bottom Edge	10mm	4	656000	3840	18.01	18.90	1.227			-0.08	0.053	0.065
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Edge	10mm	4	656000	3840	21.14	22.00	1.219	50	1.000	0.1	0.329	0.401
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	18.34	18.90	1.138			0.08	0.291	0.331
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	4	633332	3499.98	18.23	18.90	1.167			-0.13	0.306	0.357
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	18.34	18.90	1.138			-0.11	0.280	0.319
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	18.23	18.90	1.167			0.03	0.272	0.317
	FR1 n77_Ant 7	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	18.34	18.90	1.138			0.12	0.001	0.001
	FR1 n77_Ant 7	100M	BPSK	135	69	Left Edge	10mm	4	633332	3499.98	18.23	18.90	1.167			0.08	0.001	0.001
64	FR1 n77_Ant 7	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	18.34	18.90	1.138			-0.08	0.566	0.644
	FR1 n77_Ant 7	100M	BPSK	135	69	Right Edge	10mm	4	633332	3499.98	18.23	18.90	1.167			-0.17	0.513	0.599
	FR1 n77_Ant 7	100M	BPSK	1	1	Bottom Edge	10mm	4	633332	3499.98	18.34	18.90	1.138			-0.03	0.147	0.167
	FR1 n77_Ant 7	100M	BPSK	135	69	Bottom Edge	10mm	4	633332	3499.98	18.23	18.90	1.167			0.14	0.147	0.172
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	21.33	22.00	1.167	50	1.000	0.11	0.550	0.642
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	4	656000	3840	19.24	20.20	1.247			-0.03	0.126	0.157
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	4	656000	3840	19.02	20.20	1.312			0.14	0.096	0.126
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	4	656000	3840	19.24	20.20	1.247			0.11	0.355	0.443
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	4	656000	3840	19.02	20.20	1.312			-0.05	0.303	0.398
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	656000	3840	19.24	20.20	1.247			-0.05	0.365	0.455
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Edge	10mm	4	656000	3840	19.02	20.20	1.312			0.14	0.340	0.446
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Edge	10mm	4	656000	3840	19.24	20.20	1.247			-0.17	0.072	0.090
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Edge	10mm	4	656000	3840	19.02	20.20	1.312			0.17	0.037	0.049

	FR1 n77_Ant 1	100M	BPSK	1	1	Top Edge	10mm	4	656000	3840	19.24	20.20	1.247			-0.05	0.271	0.338
	FR1 n77_Ant 1	100M	BPSK	135	69	Top Edge	10mm	4	656000	3840	19.02	20.20	1.312			0.01	0.244	0.320
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	656000	3840	22.25	23.40	1.303	50	1.000	0.1	0.362	0.472
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	19.44	20.20	1.191			0.08	0.273	0.325
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	4	633332	3499.98	19.17	20.20	1.268			0.01	0.236	0.299
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	19.44	20.20	1.191			0.03	0.312	0.372
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	19.17	20.20	1.268			-0.08	0.271	0.344
	FR1 n77_Ant 1	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	19.44	20.20	1.191			-0.01	0.278	0.331
	FR1 n77_Ant 1	100M	BPSK	135	69	Left Edge	10mm	4	633332	3499.98	19.17	20.20	1.268			-0.08	0.257	0.326
	FR1 n77_Ant 1	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	19.44	20.20	1.191			0.1	0.080	0.095
	FR1 n77_Ant 1	100M	BPSK	135	69	Right Edge	10mm	4	633332	3499.98	19.17	20.20	1.268			-0.18	0.070	0.089
	FR1 n77_Ant 1	100M	BPSK	1	1	Top Edge	10mm	4	633332	3499.98	19.44	20.20	1.191			0.01	0.527	0.628
	FR1 n77_Ant 1	100M	BPSK	135	69	Top Edge	10mm	4	633332	3499.98	19.17	20.20	1.268			0.1	0.456	0.578
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Top Edge	10mm	4	633332	3499.98	22.40	23.40	1.259	50	1.000	0.12	0.487	0.613
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	4	650000	3750	23.61	25.00	1.377			0.08	0.190	0.262
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	4	650000	3750	23.42	25.00	1.439			0.13	0.187	0.269
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	4	650000	3750	23.61	25.00	1.377			0.01	0.242	0.333
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	4	650000	3750	23.42	25.00	1.439			0.13	0.248	0.357
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Edge	10mm	4	650000	3750	23.61	25.00	1.377			0.03	0.074	0.102
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Edge	10mm	4	650000	3750	23.42	25.00	1.439			-0.08	0.057	0.082
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Edge	10mm	4	650000	3750	23.61	25.00	1.377			-0.12	0.235	0.324
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Edge	10mm	4	650000	3750	23.42	25.00	1.439			-0.08	0.180	0.259
	FR1 n77_Ant 5	100M	BPSK	1	1	Top Edge	10mm	4	650000	3750	23.61	25.00	1.377			0.1	0.199	0.274
	FR1 n77_Ant 5	100M	BPSK	135	69	Top Edge	10mm	4	650000	3750	23.42	25.00	1.439			-0.18	0.165	0.237
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	4	656000	3840	25.75	27.20	1.396	50	1.000	0.1	0.231	0.323
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	4	633332	3499.98	23.74	25.00	1.337			-0.15	0.098	0.131
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	4	633332	3499.98	23.57	25.00	1.390			0.12	0.094	0.131
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	4	633332	3499.98	23.74	25.00	1.337			0.09	0.113	0.151
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	4	633332	3499.98	23.57	25.00	1.390			0.08	0.106	0.147
	FR1 n77_Ant 5	100M	BPSK	1	1	Left Edge	10mm	4	633332	3499.98	23.74	25.00	1.337			-0.17	0.001	0.001
	FR1 n77_Ant 5	100M	BPSK	135	69	Left Edge	10mm	4	633332	3499.98	23.57	25.00	1.390			-0.03	0.001	0.001
	FR1 n77_Ant 5	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	23.74	25.00	1.337			-0.15	0.165	0.221
	FR1 n77_Ant 5	100M	BPSK	135	69	Right Edge	10mm	4	633332	3499.98	23.57	25.00	1.390			0.14	0.132	0.183
	FR1 n77_Ant 5	100M	BPSK	1	1	Top Edge	10mm	4	633332	3499.98	23.74	25.00	1.337			0.11	0.064	0.086
	FR1 n77_Ant 5	100M	BPSK	135	69	Top Edge	10mm	4	633332	3499.98	23.57	25.00	1.390			-0.05	0.084	0.117
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Right Edge	10mm	4	633332	3499.98	25.68	27.20	1.419	50	1.000	0.18	0.131	0.186

<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	4	11	2462	14.80	15.50	1.175	100	1.000	-0.03	0.084	0.099
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	4	11	2462	14.80	15.50	1.175	100	1.000	0.02	0.105	0.123
65	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 3	4	11	2462	14.80	15.50	1.175	100	1.000	-0.16	0.170	0.200
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 3	4	11	2462	14.80	15.50	1.175	100	1.000	0.14	0.004	0.005
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 3	4	11	2462	14.80	15.50	1.175	100	1.000	-0.07	0.017	0.020
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	4	1	2412	14.84	15.50	1.164	100	1.000	-0.16	0.038	0.044
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	4	1	2412	14.84	15.50	1.164	100	1.000	-0.14	0.044	0.051
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 4	4	1	2412	14.84	15.50	1.164	100	1.000	0	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 4	4	1	2412	14.84	15.50	1.164	100	1.000	-0.05	0.067	0.078
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 4	4	1	2412	14.84	15.50	1.164	100	1.000	0.09	0.019	0.022
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3+4(3)	4	11	2462	14.37	15.50	1.297	100	1.000	0.13	0.078	0.101
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3+4(4)	4	11	2462	15.00	15.50	1.122	100	1.000	0.13	0.061	0.068
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3+4(3)	4	11	2462	14.37	15.50	1.297	100	1.000	-0.18	0.071	0.092
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3+4(4)	4	11	2462	15.00	15.50	1.122	100	1.000	-0.18	0.068	0.076
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 3+4(3)	4	11	2462	14.37	15.50	1.297	100	1.000	-0.03	0.146	0.189
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 3+4(4)	4	11	2462	15.00	15.50	1.122	100	1.000	-0.03	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 3+4(3)	4	11	2462	14.37	15.50	1.297	100	1.000	0	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 3+4(4)	4	11	2462	15.00	15.50	1.122	100	1.000	-0.04	0.062	0.070
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 3+4(3)	4	11	2462	14.37	15.50	1.297	100	1.000	-0.18	0.033	0.043
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 3+4(4)	4	11	2462	15.00	15.50	1.122	100	1.000	-0.18	0.028	0.031
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(3)	4	46	5230	16.50	18.00	1.413	98.92	1.011	-0.06	0.164	0.234
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(4)	4	46	5230	17.96	18.00	1.009	98.92	1.011	-0.06	0.110	0.112
66	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 3+4(3)	4	46	5230	16.50	18.00	1.413	98.92	1.011	0.12	0.177	0.253
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 3+4(4)	4	46	5230	17.96	18.00	1.009	98.92	1.011	0.12	0.192	0.196
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	10mm	Ant 3+4(3)	4	46	5230	16.50	18.00	1.413	98.92	1.011	-0.16	0.154	0.220
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	10mm	Ant 3+4(4)	4	46	5230	17.96	18.00	1.009	98.92	1.011	-0.16	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	10mm	Ant 3+4(3)	4	46	5230	16.50	18.00	1.413	98.92	1.011	0.06	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	10mm	Ant 3+4(4)	4	46	5230	17.96	18.00	1.009	98.92	1.011	0.06	0.160	0.163
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	10mm	Ant 3+4(3)	4	46	5230	16.50	18.00	1.413	98.92	1.011	-0.09	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	10mm	Ant 3+4(4)	4	46	5230	17.96	18.00	1.009	98.92	1.011	-0.09	0.146	0.149
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	4	155	5775	16.56	18.00	1.393	97.76	1.023	0.04	0.068	0.097
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	4	155	5775	17.99	18.00	1.002	97.76	1.023	0.04	0.109	0.112
67	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	4	155	5775	16.56	18.00	1.393	97.76	1.023	0	0.164	0.234
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	4	155	5775	17.99	18.00	1.002	97.76	1.023	0	0.202	0.207
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 3+4(3)	4	155	5775	16.56	18.00	1.393	97.76	1.023	0.18	0.081	0.115
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 3+4(4)	4	155	5775	17.99	18.00	1.002	97.76	1.023	0.18	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant 3+4(3)	4	155	5775	16.56	18.00	1.393	97.76	1.023	-0.14	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant 3+4(4)	4	155	5775	17.99	18.00	1.002	97.76	1.023	-0.14	0.125	0.128
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 3+4(3)	4	155	5775	16.56	18.00	1.393	97.76	1.023	-0.11	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 3+4(4)	4	155	5775	17.99	18.00	1.002	97.76	1.023	-0.11	0.091	0.093

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)	4	143	6665	14.77	16.00	1.327	95	1.053	0.06	0.042	0.059	0.284	0.397
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 3+4(4)	4	143	6665	15.49	16.00	1.125	95	1.053	0.06	0.019	0.022	0.149	0.176
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	143	6665	14.77	16.00	1.327	95	1.053	0.15	0.100	0.140	0.695	0.971
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	143	6665	15.49	16.00	1.125	95	1.053	0.15	0.083	0.098	0.65	0.770
68	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	15	6025	13.69	15.50	1.517	95	1.053	-0.1	0.101	0.161	0.807	1.289
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	15	6025	15.17	15.50	1.079	95	1.053	-0.1	0.045	0.051	0.381	0.433
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	47	6185	14.00	15.50	1.413	95	1.053	0.11	0.038	0.057	0.269	0.400
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	47	6185	15.20	15.50	1.072	95	1.053	0.11	0.026	0.029	0.211	0.238
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	111	6505	13.33	15.00	1.469	95	1.053	-0.12	0.055	0.085	0.404	0.625
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	111	6505	14.96	15.00	1.009	95	1.053	-0.12	0.068	0.072	0.522	0.555
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	207	6985	14.48	16.00	1.419	95	1.053	-0.13	0.068	0.102	0.497	0.743
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	207	6985	15.72	16.00	1.067	95	1.053	-0.13	0.127	0.143	0.947	1.064
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	10mm	Ant 3+4(3)	4	143	6665	14.77	16.00	1.327	95	1.053	-0.08	0.067	0.094	0.544	0.760
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	10mm	Ant 3+4(4)	4	143	6665	15.49	16.00	1.125	95	1.053	-0.08	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	10mm	Ant 3+4(3)	4	143	6665	14.77	16.00	1.327	95	1.053	0	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	10mm	Ant 3+4(4)	4	143	6665	15.49	16.00	1.125	95	1.053	0	0.034	0.040	0.28	0.332
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	10mm	Ant 3+4(3)	4	143	6665	14.77	16.00	1.327	95	1.053	0.04	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	10mm	Ant 3+4(4)	4	143	6665	15.49	16.00	1.125	95	1.053	0.04	0.035	0.041	0.24	0.284

<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	16.60	17.00	1.096	77.05	1.081	-0.02	0.106	0.126
	Bluetooth	1Mbps	Back	10mm	Ant 3	2	0	2402	16.60	17.00	1.096	77.05	1.081	-0.01	0.146	0.173
	Bluetooth	1Mbps	Left Edge	10mm	Ant 3	2	0	2402	16.60	17.00	1.096	77.05	1.081	-0.04	0.181	0.215
	Bluetooth	1Mbps	Right Edge	10mm	Ant 3	2	0	2402	16.60	17.00	1.096	77.05	1.081	-0.02	0.005	0.006
	Bluetooth	1Mbps	Top Edge	10mm	Ant 3	2	0	2402	16.60	17.00	1.096	77.05	1.081	-0.01	0.017	0.020
	Bluetooth	1Mbps	Front	10mm	Ant 4	2	78	2480	17.88	19.50	1.452	76.96	1.082	-0.07	0.127	0.200
	Bluetooth	1Mbps	Back	10mm	Ant 4	2	78	2480	17.88	19.50	1.452	76.96	1.082	0.13	0.130	0.204
	Bluetooth	1Mbps	Left Edge	10mm	Ant 4	2	78	2480	17.88	19.50	1.452	76.96	1.082	-0.05	0.007	0.011
69	Bluetooth	1Mbps	Right Edge	10mm	Ant 4	2	78	2480	17.88	19.50	1.452	76.96	1.082	0.01	0.161	0.253
	Bluetooth	1Mbps	Top Edge	10mm	Ant 4	2	78	2480	17.88	19.50	1.452	76.96	1.082	-0.02	0.031	0.049
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	2	39	2441	16.90	17.00	1.023	77.07	1.081	-0.17	0.094	0.104
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	2	39	2441	16.60	17.00	1.096	77.07	1.081	-0.17	0.077	0.091
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(3)	2	39	2441	16.90	17.00	1.023	77.07	1.081	-0.15	0.108	0.119
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(4)	2	39	2441	16.60	17.00	1.096	77.07	1.081	-0.15	0.076	0.090
	Bluetooth	1Mbps	Left Edge	10mm	Ant 3+4(3)	2	39	2441	16.90	17.00	1.023	77.07	1.081	-0.15	0.188	0.208
	Bluetooth	1Mbps	Left Edge	10mm	Ant 3+4(4)	2	39	2441	16.60	17.00	1.096	77.07	1.081	-0.15	0.001	0.001
	Bluetooth	1Mbps	Right Edge	10mm	Ant 3+4(3)	2	39	2441	16.90	17.00	1.023	77.07	1.081	0.05	0.001	0.001
	Bluetooth	1Mbps	Right Edge	10mm	Ant 3+4(4)	2	39	2441	16.60	17.00	1.096	77.07	1.081	0.05	0.095	0.113
	Bluetooth	1Mbps	Top Edge	10mm	Ant 3+4(3)	2	39	2441	16.90	17.00	1.023	77.07	1.081	0.01	0.050	0.055
	Bluetooth	1Mbps	Top Edge	10mm	Ant 3+4(4)	2	39	2441	16.60	17.00	1.096	77.07	1.081	0.01	0.035	0.041

<Thread 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)
	Thread	250K	Front	10mm	Ant 3	2	25	2475	14.79	16.50	1.483	89.87	1.001	0.19	0.080	0.119
	Thread	250K	Back	10mm	Ant 3	2	25	2475	14.79	16.50	1.483	89.87	1.001	0.19	0.097	0.144
70	Thread	250K	Left Edge	10mm	Ant 3	2	25	2475	14.79	16.50	1.483	89.87	1.001	-0.07	0.144	0.214
	Thread	250K	Right Edge	10mm	Ant 3	2	25	2475	14.79	16.50	1.483	89.87	1.001	0	0.001	0.001
	Thread	250K	Top Edge	10mm	Ant 3	2	25	2475	14.79	16.50	1.483	89.87	1.001	-0.01	0.013	0.019

14.3 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)
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	189	836.4	28.85	29.60	1.189	0.01	0.555	0.660
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	189	836.4	28.85	29.60	1.189	0	0.805	0.957
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	128	824.2	28.75	29.60	1.216	0.13	0.448	0.545
71	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	251	848.8	28.85	29.60	1.189	0.08	0.816	0.970
	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	189	836.4	28.85	28.90	1.012	0.01	0.555	0.561
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	189	836.4	28.85	28.90	1.012	0	0.805	0.814
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	128	824.2	28.75	28.90	1.035	0.13	0.448	0.464
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	251	848.8	28.85	28.90	1.012	0.08	0.816	0.825
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	5	251	848.8	27.00	28.60	1.445	0.04	0.191	0.276
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	5	251	848.8	27.00	28.60	1.445	0.14	0.292	0.422
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	6	251	848.8	27.00	27.90	1.230	0.04	0.191	0.235
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	6	251	848.8	27.00	27.90	1.230	0.14	0.292	0.359
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	5	810	1909.8	22.90	24.20	1.349	0.04	0.193	0.260
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	5	810	1909.8	22.90	24.20	1.349	-0.07	0.233	0.314
	GSM1900_Ant 2	GPRS (4 Tx slots)	Front	10mm	6	810	1909.8	22.90	23.50	1.148	0.04	0.193	0.222
	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	6	810	1909.8	22.90	23.50	1.148	-0.07	0.233	0.268
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	5	810	1909.8	22.30	23.00	1.175	-0.11	0.524	0.616
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	810	1909.8	22.30	23.00	1.175	-0.08	0.686	0.806
72	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	512	1850.2	22.30	23.00	1.175	0.04	0.842	0.989
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	661	1880	22.26	23.00	1.186	0.17	0.729	0.864
	GSM1900_Ant 0	GPRS (4 Tx slots)	Front	10mm	6	810	1909.8	22.30	22.30	1.000	-0.11	0.524	0.524
	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	6	810	1909.8	22.30	22.30	1.000	-0.08	0.686	0.686

<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	9262	1852.4	22.22	23.10	1.225	-0.05	0.324	0.397
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	5	9262	1852.4	22.22	23.10	1.225	-0.04	0.339	0.415
	WCDMA II_Ant 2	RMC 12.2Kbps	Front	10mm	6	9262	1852.4	22.22	22.40	1.042	-0.05	0.324	0.338
	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	6	9262	1852.4	22.22	22.40	1.042	-0.04	0.339	0.353
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	5	9262	1852.4	19.51	21.00	1.409	-0.11	0.604	0.851
73	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	5	9262	1852.4	19.51	21.00	1.409	-0.03	0.704	0.992
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	5	9400	1880	19.38	21.00	1.452	0.04	0.645	0.937
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	5	9538	1907.6	19.30	21.00	1.479	0.01	0.588	0.870
	WCDMA II_Ant 0	RMC 12.2Kbps	Front	10mm	6	9262	1852.4	19.51	20.30	1.199	-0.11	0.604	0.724
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	6	9262	1852.4	19.51	20.30	1.199	-0.03	0.704	0.844
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	5	9400	1880	19.38	20.30	1.236	0.04	0.645	0.797
	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	5	9538	1907.6	19.30	20.30	1.259	0.01	0.588	0.740
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	5	1312	1712.4	22.31	23.40	1.285	0.01	0.324	0.416
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	5	1312	1712.4	22.31	23.40	1.285	-0.01	0.336	0.432
	WCDMA IV_Ant 2	RMC 12.2Kbps	Front	10mm	6	1312	1712.4	22.31	22.70	1.094	0.01	0.324	0.354
	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	6	1312	1712.4	22.31	22.70	1.094	-0.01	0.336	0.368
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	5	1312	1712.4	19.90	20.60	1.175	-0.15	0.520	0.611
74	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	5	1312	1712.4	19.90	20.60	1.175	-0.08	0.629	0.739
	WCDMA IV_Ant 0	RMC 12.2Kbps	Front	10mm	6	1312	1712.4	19.90	19.90	1.000	-0.15	0.520	0.520
	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	6	1312	1712.4	19.90	19.90	1.000	-0.08	0.629	0.629
	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	5/6	4132	826.4	24.57	25.00	1.104	0	0.350	0.386
75	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	5/6	4132	826.4	24.57	25.00	1.104	0.1	0.482	0.532
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	5/6	4132	826.4	24.23	24.70	1.114	-0.01	0.146	0.163
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	5/6	4132	826.4	24.23	24.70	1.114	-0.01	0.203	0.226

<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 7_Ant 2	20M	QPSK	1	0	Front	10mm	5	21100	2535	20.11	21.60	1.409	-0.1	0.205	0.289
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	5	21100	2535	20.13	21.60	1.403	0.02	0.223	0.313
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	5	21100	2535	20.11	21.60	1.409	0.18	0.283	0.399
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	5	21100	2535	20.13	21.60	1.403	-0.01	0.288	0.404
	CA_7C_Ant 2	20M	QPSK	1	0	Back	10mm	5	21350	2560	20.12	21.60	1.406	0.05	0.269	0.378
	LTE Band 7_Ant 2	20M	QPSK	1	0	Front	10mm	6	21100	2535	20.11	20.90	1.199	-0.1	0.205	0.246
	LTE Band 7_Ant 2	20M	QPSK	50	0	Front	10mm	6	21100	2535	20.13	20.90	1.194	0.02	0.223	0.266
	LTE Band 7_Ant 2	20M	QPSK	1	0	Back	10mm	6	21100	2535	20.11	20.90	1.199	0.18	0.283	0.339
	LTE Band 7_Ant 2	20M	QPSK	50	0	Back	10mm	6	21100	2535	20.13	20.90	1.194	-0.01	0.288	0.344
	CA_7C_Ant 2	20M	QPSK	1	0	Back	10mm	5	21350	2560	20.12	20.90	1.197	0.05	0.269	0.322
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	5	21100	2535	20.33	22.20	1.538	0.03	0.342	0.526
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	5	21100	2535	20.30	22.20	1.549	0.05	0.341	0.528
76	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	5	21100	2535	20.33	22.20	1.538	-0.14	0.439	0.675
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	5	21100	2535	20.30	22.20	1.549	0.16	0.433	0.671
	CA_7C_Ant 0	20M	QPSK	1	0	Back	10mm	5	21350	2560	20.46	22.20	1.493	0.04	0.431	0.643
	LTE Band 7_Ant 0	20M	QPSK	1	0	Front	10mm	6	21100	2535	20.33	21.50	1.309	0.03	0.342	0.448
	LTE Band 7_Ant 0	20M	QPSK	50	0	Front	10mm	6	21100	2535	20.30	21.50	1.318	0.05	0.341	0.450
	LTE Band 7_Ant 0	20M	QPSK	1	0	Back	10mm	6	21100	2535	20.33	21.50	1.309	-0.14	0.439	0.575
	LTE Band 7_Ant 0	20M	QPSK	50	0	Back	10mm	6	21100	2535	20.30	21.50	1.318	0.16	0.433	0.571
	CA_7C_Ant 0	20M	QPSK	1	0	Back	10mm	6	21350	2560	20.46	21.50	1.271	0.04	0.431	0.548
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23095	707.5	24.41	25.00	1.146	0.01	0.242	0.277
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23095	707.5	23.45	24.00	1.135	0.18	0.218	0.247
77	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23095	707.5	24.41	25.00	1.146	-0.01	0.297	0.340
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23095	707.5	23.45	24.00	1.135	0.14	0.229	0.260
	LTE Band 12_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23095	707.5	23.93	24.70	1.194	0.01	0.098	0.117
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23095	707.5	22.99	23.70	1.178	-0.08	0.081	0.095
	LTE Band 12_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23095	707.5	23.93	24.70	1.194	0	0.136	0.162
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23095	707.5	22.99	23.70	1.178	0.13	0.106	0.125
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23230	782	24.67	25.00	1.079	0	0.288	0.311
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23230	782	23.68	24.00	1.076	0.01	0.204	0.220
78	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23230	782	24.67	25.00	1.079	0.01	0.487	0.525
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23230	782	23.68	24.00	1.076	0.03	0.431	0.464
	LTE Band 13_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23230	782	24.22	25.00	1.197	0	0.136	0.163
	LTE Band 13_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23230	782	23.30	24.00	1.175	-0.08	0.109	0.128
	LTE Band 13_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23230	782	24.22	25.00	1.197	-0.09	0.184	0.220
	LTE Band 13_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23230	782	23.30	24.00	1.175	-0.08	0.151	0.177
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	5/6	23330	793	24.49	25.00	1.125	0	0.337	0.379
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	5/6	23330	793	23.53	24.00	1.114	0.08	0.232	0.259
79	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	23330	793	24.49	25.00	1.125	-0.16	0.471	0.530
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	5/6	23330	793	23.53	24.00	1.114	0.01	0.336	0.374
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	5/6	23330	793	24.12	25.00	1.225	-0.02	0.179	0.219
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	5/6	23330	793	23.15	24.00	1.216	0.08	0.148	0.180
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	23330	793	24.12	25.00	1.225	-0.01	0.198	0.242
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	5/6	23330	793	23.15	24.00	1.216	0.05	0.162	0.197

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	5	26340	1880	21.11	22.50	1.377	0.08	0.269	0.370
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	5	26340	1880	21.10	22.50	1.380	-0.09	0.273	0.377
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	5	26340	1880	21.11	22.50	1.377	-0.09	0.304	0.419
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	5	26340	1880	21.10	22.50	1.380	0.03	0.301	0.415
	LTE Band 25_Ant 2	20M	QPSK	1	0	Front	10mm	6	26340	1880	21.11	21.80	1.172	0.08	0.269	0.315
	LTE Band 25_Ant 2	20M	QPSK	50	0	Front	10mm	6	26340	1880	21.10	21.80	1.175	-0.09	0.273	0.321
	LTE Band 25_Ant 2	20M	QPSK	1	0	Back	10mm	6	26340	1880	21.11	21.80	1.172	-0.09	0.304	0.356
	LTE Band 25_Ant 2	20M	QPSK	50	0	Back	10mm	6	26340	1880	21.10	21.80	1.175	0.03	0.301	0.354
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	5	26340	1880	18.78	20.40	1.452	-0.12	0.413	0.600
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	5	26340	1880	18.75	20.40	1.462	0.14	0.406	0.594
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	5	26340	1880	18.78	20.40	1.452	0.11	0.559	0.812
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	5	26140	1860	18.73	20.40	1.469	0.15	0.534	0.784
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	5	26590	1905	18.75	20.40	1.462	-0.04	0.511	0.747
80	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	5	26340	1880	18.75	20.40	1.462	-0.16	0.579	0.847
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	5	26140	1860	18.69	20.40	1.483	0.14	0.547	0.811
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	5	26590	1905	18.72	20.40	1.472	-0.05	0.534	0.786
	LTE Band 25_Ant 0	20M	QPSK	100	0	Back	10mm	5	26340	1880	18.75	20.40	1.462	0.12	0.532	0.778
	LTE Band 25_Ant 0	20M	QPSK	1	0	Front	10mm	6	26340	1880	18.78	19.70	1.236	-0.12	0.413	0.510
	LTE Band 25_Ant 0	20M	QPSK	50	0	Front	10mm	6	26340	1880	18.75	19.70	1.245	0.14	0.406	0.505
	LTE Band 25_Ant 0	20M	QPSK	1	0	Back	10mm	6	26340	1880	18.78	19.70	1.236	0.11	0.559	0.691
	LTE Band 25_Ant 0	20M	QPSK	50	0	Back	10mm	6	26340	1880	18.75	19.70	1.245	-0.16	0.579	0.721
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	5	26340	1880	21.28	22.80	1.419	0.16	0.301	0.427
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	5	26340	1880	21.29	22.80	1.416	-0.02	0.344	0.487
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	5	26340	1880	21.28	22.80	1.419	0	0.488	0.693
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	5	26340	1880	21.29	22.80	1.416	-0.1	0.414	0.586
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	6	26340	1880	21.28	22.10	1.208	0.16	0.301	0.364
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	6	26340	1880	21.29	22.10	1.205	-0.02	0.344	0.415
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	6	26340	1880	21.28	22.10	1.208	0	0.488	0.589
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	6	26340	1880	21.29	22.10	1.205	-0.1	0.414	0.499
	LTE Band 25_Ant 5	20M	QPSK	1	0	Front	10mm	5	26340	1880	23.11	24.50	1.377	0.16	0.243	0.335
	LTE Band 25_Ant 5	20M	QPSK	50	0	Front	10mm	5	26340	1880	22.13	23.50	1.371	0.08	0.186	0.255
	LTE Band 25_Ant 5	20M	QPSK	1	0	Back	10mm	5	26340	1880	23.11	24.50	1.377	0.01	0.355	0.489
	LTE Band 25_Ant 5	20M	QPSK	50	0	Back	10mm	5	26340	1880	22.13	23.50	1.371	0.03	0.257	0.352
	LTE Band 25_Ant 5	20M	QPSK	1	0	Front	10mm	6	26340	1880	23.11	23.90	1.199	0.16	0.243	0.291
	LTE Band 25_Ant 5	20M	QPSK	50	0	Front	10mm	6	26340	1880	22.13	23.50	1.371	0.08	0.186	0.255
	LTE Band 25_Ant 5	20M	QPSK	1	0	Back	10mm	6	26340	1880	23.11	23.90	1.199	0.01	0.355	0.426
	LTE Band 25_Ant 5	20M	QPSK	50	0	Back	10mm	6	26340	1880	22.13	23.50	1.371	0.03	0.257	0.352
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	10mm	5/6	26865	831.5	24.15	25.00	1.216	0	0.217	0.264
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	5/6	26865	831.5	23.16	24.00	1.213	0.01	0.152	0.184
81	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	5/6	26865	831.5	24.15	25.00	1.216	-0.02	0.469	0.570
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	5/6	26865	831.5	23.16	24.00	1.213	0.03	0.397	0.482
	CA_5B_Ant 0	10M	QPSK	1	0	Back	10mm	5/6	20600	844	23.15	24.50	1.365	0.06	0.341	0.465
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	5/6	26865	831.5	23.70	24.70	1.259	-0.01	0.145	0.183
	LTE Band 26_Ant 1	15M	QPSK	36	0	Front	10mm	5/6	26865	831.5	22.67	23.70	1.268	0.18	0.129	0.164
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	5/6	26865	831.5	23.70	24.70	1.259	-0.01	0.199	0.251
	LTE Band 26_Ant 1	15M	QPSK	36	0	Back	10mm	5/6	26865	831.5	22.67	23.70	1.268	0.14	0.180	0.228
	CA_5B_Ant 1	10M	QPSK	1	0	Back	10mm	5/6	20574	841.4	22.76	24.00	1.330	-0.02	0.157	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	Duty Cycle %	Duty Cycle 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	5	27710	2310	19.49	20.90	1.384			-0.1	0.214	0.296
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	5	27710	2310	19.54	20.90	1.368			0.01	0.212	0.290
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	5	27710	2310	19.49	20.90	1.384			0.02	0.206	0.285
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	5	27710	2310	19.54	20.90	1.368			-0.08	0.204	0.279
	LTE Band 30_Ant 2	10M	QPSK	1	0	Front	10mm	6	27710	2310	19.49	20.20	1.178			-0.1	0.214	0.252
	LTE Band 30_Ant 2	10M	QPSK	25	0	Front	10mm	6	27710	2310	19.54	20.20	1.164			0.01	0.212	0.247
	LTE Band 30_Ant 2	10M	QPSK	1	0	Back	10mm	6	27710	2310	19.49	20.20	1.178			0.02	0.206	0.243
	LTE Band 30_Ant 2	10M	QPSK	25	0	Back	10mm	6	27710	2310	19.54	20.20	1.164			-0.08	0.204	0.237
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	5	27710	2310	19.85	21.50	1.462			0.14	0.457	0.668
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	5	27710	2310	19.74	21.50	1.500			0.01	0.454	0.681
82	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	5	27710	2310	19.85	21.50	1.462			-0.1	0.564	0.825
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	5	27710	2310	19.74	21.50	1.500			0.18	0.535	0.802
	LTE Band 30_Ant 0	10M	QPSK	50	0	Back	10mm	5	27710	2310	19.72	21.50	1.507			0.18	0.530	0.799
	LTE Band 30_Ant 0	10M	QPSK	1	0	Front	10mm	6	27710	2310	19.85	20.80	1.245			0.14	0.457	0.569
	LTE Band 30_Ant 0	10M	QPSK	25	0	Front	10mm	6	27710	2310	19.74	20.80	1.276			0.01	0.454	0.580
	LTE Band 30_Ant 0	10M	QPSK	1	0	Back	10mm	6	27710	2310	19.85	20.80	1.245			-0.1	0.564	0.702
	LTE Band 30_Ant 0	10M	QPSK	25	0	Back	10mm	6	27710	2310	19.74	20.80	1.276			0.18	0.535	0.683
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	5	40620	2593	22.93	24.50	1.435	62.9	1.006	0.08	0.287	0.414
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	5	40620	2593	22.58	23.50	1.236	62.9	1.006	0.01	0.260	0.323
83	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	5	40620	2593	22.93	24.50	1.435	62.9	1.006	0.03	0.392	0.566
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	5	40620	2593	22.58	23.50	1.236	62.9	1.006	0.03	0.343	0.426
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	5	40620	2593	24.51	26.10	1.442	42.9	1.009	-0.08	0.369	0.537
	CA_41C_Ant 2	20M	QPSK	1	0	Back	10mm	5	41490	2680	22.98	24.50	1.419	62.9	1.006	-0.01	0.382	0.545
	LTE Band 41_Ant 2	20M	QPSK	1	0	Front	10mm	6	40620	2593	22.93	23.80	1.222	62.9	1.006	0.08	0.287	0.353
	LTE Band 41_Ant 2	20M	QPSK	50	0	Front	10mm	6	40620	2593	22.58	23.50	1.236	62.9	1.006	0.01	0.260	0.323
	LTE Band 41_Ant 2	20M	QPSK	1	0	Back	10mm	6	40620	2593	22.93	23.80	1.222	62.9	1.006	0.03	0.392	0.482
	LTE Band 41_Ant 2	20M	QPSK	50	0	Back	10mm	6	40620	2593	22.58	23.50	1.236	62.9	1.006	0.03	0.343	0.426
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Back	10mm	6	40620	2593	24.51	25.40	1.227	42.9	1.009	-0.08	0.369	0.457
	CA_41C_Ant 2	20M	QPSK	1	0	Back	10mm	6	41490	2680	22.98	23.80	1.208	62.9	1.006	-0.01	0.382	0.464
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	5	40620	2593	23.97	24.80	1.211	62.9	1.006	-0.12	0.286	0.348
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	5	40620	2593	22.45	23.50	1.274	62.9	1.006	0.17	0.189	0.242
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620	2593	23.97	24.80	1.211	62.9	1.006	-0.15	0.442	0.538
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	5	40620	2593	22.45	23.50	1.274	62.9	1.006	-0.05	0.312	0.400
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	5	40620	2593	25.86	26.60	1.186	42.9	1.009	0.15	0.425	0.508
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	5	40185	2549.5	22.75	24.50	1.496	62.9	1.006	0.08	0.330	0.497
	LTE Band 41_Ant 0	20M	QPSK	1	0	Front	10mm	6	40620	2593	23.97	24.10	1.030	62.9	1.006	-0.12	0.286	0.296
	LTE Band 41_Ant 0	20M	QPSK	50	0	Front	10mm	6	40620	2593	22.45	23.50	1.274	62.9	1.006	0.17	0.189	0.242
	LTE Band 41_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620	2593	23.97	24.10	1.030	62.9	1.006	-0.15	0.442	0.458
	LTE Band 41_Ant 0	20M	QPSK	50	0	Back	10mm	6	40620	2593	22.45	23.50	1.274	62.9	1.006	-0.05	0.312	0.400
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Back	10mm	6	40620	2593	25.86	25.90	1.009	42.9	1.009	0.15	0.425	0.433
	CA_41C_Ant 0	20M	QPSK	1	0	Back	10mm	6	40185	2549.5	22.75	24.10	1.365	62.9	1.006	0.08	0.330	0.453

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	56150	3641	21.85	23.50	1.462	62.9	1.006	0.02	0.228	0.335
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	5	55830	3609	21.84	23.00	1.306	62.9	1.006	0.06	0.206	0.271
84	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	5	56150	3641	21.85	23.50	1.462	62.9	1.006	0.15	0.246	0.362
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	5	55830	3609	21.84	23.00	1.306	62.9	1.006	-0.09	0.217	0.285
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	6	56150	3641	21.85	22.80	1.245	62.9	1.006	0.02	0.228	0.285
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	6	55830	3609	21.84	22.80	1.247	62.9	1.006	0.06	0.206	0.259
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	6	56150	3641	21.85	22.80	1.245	62.9	1.006	0.15	0.246	0.308
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	6	55830	3609	21.84	22.80	1.247	62.9	1.006	-0.09	0.217	0.272
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	5	55830	3609	20.40	22.10	1.479	62.9	1.006	-0.13	0.187	0.278
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	5	55830	3609	20.40	22.10	1.479	62.9	1.006	0.08	0.171	0.254
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	5	55830	3609	20.40	22.10	1.479	62.9	1.006	0.01	0.201	0.299
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	5	55830	3609	20.40	22.10	1.479	62.9	1.006	-0.06	0.234	0.348
	LTE Band 48_Ant 7	20M	QPSK	1	0	Front	10mm	6	55830	3609	20.40	21.40	1.259	62.9	1.006	-0.13	0.187	0.237
	LTE Band 48_Ant 7	20M	QPSK	50	0	Front	10mm	6	55830	3609	20.40	21.40	1.259	62.9	1.006	0.08	0.171	0.217
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	10mm	6	55830	3609	20.40	21.40	1.259	62.9	1.006	0.01	0.201	0.255
	LTE Band 48_Ant 7	20M	QPSK	50	0	Back	10mm	6	55830	3609	20.40	21.40	1.259	62.9	1.006	-0.06	0.234	0.296

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	132322	1745	20.94	22.70	1.500	0.08	0.224	0.336
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	5	132322	1745	20.92	22.70	1.507	-0.08	0.225	0.339
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	5	132322	1745	20.94	22.70	1.500	0.03	0.224	0.336
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	5	132322	1745	20.92	22.70	1.507	-0.17	0.226	0.340
	CA_66C_Ant 2	20M	QPSK	1	0	Back	10mm	5	132572	1770	20.67	22.70	1.596	0.06	0.210	0.335
	CA_66B_Ant 2	15MM	QPSK	1	0	Back	10mm	5	132597	1772.5	20.61	22.70	1.618	0.02	0.209	0.338
	LTE Band 66_Ant 2	20M	QPSK	1	0	Front	10mm	6	132322	1745	20.94	22.00	1.276	0.08	0.224	0.286
	LTE Band 66_Ant 2	20M	QPSK	50	0	Front	10mm	6	132322	1745	20.92	22.00	1.282	-0.08	0.225	0.289
	LTE Band 66_Ant 2	20M	QPSK	1	0	Back	10mm	6	132322	1745	20.94	22.00	1.276	0.03	0.224	0.286
	LTE Band 66_Ant 2	20M	QPSK	50	0	Back	10mm	6	132322	1745	20.92	22.00	1.282	-0.17	0.226	0.290
	CA_66C_Ant 2	20M	QPSK	1	0	Back	10mm	6	132572	1770	20.67	22.00	1.358	0.06	0.210	0.285
	CA_66B_Ant 2	15MM	QPSK	1	0	Back	10mm	6	132597	1772.5	20.61	22.00	1.377	0.02	0.209	0.288
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	5	132322	1745	18.26	19.80	1.426	0.12	0.328	0.468
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	5	132322	1745	18.22	19.80	1.439	0.18	0.317	0.456
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	5	132322	1745	18.26	19.80	1.426	0.08	0.396	0.565
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	5	132322	1745	18.22	19.80	1.439	0.14	0.379	0.545
	CA_66C_Ant 0	20M	QPSK	1	99	Back	10mm	5	132072	1720	18.34	19.80	1.400	0.01	0.369	0.516
	CA_66B_Ant 0	15MM	QPSK	1	74	Back	10mm	5	132047	1717.5	18.22	19.80	1.439	-0.09	0.370	0.532
	LTE Band 66_Ant 0	20M	QPSK	1	0	Front	10mm	6	132322	1745	18.26	19.10	1.213	0.12	0.328	0.398
	LTE Band 66_Ant 0	20M	QPSK	50	0	Front	10mm	6	132322	1745	18.22	19.10	1.225	0.18	0.317	0.388
	LTE Band 66_Ant 0	20M	QPSK	1	0	Back	10mm	6	132322	1745	18.26	19.10	1.213	0.08	0.396	0.481
	LTE Band 66_Ant 0	20M	QPSK	50	0	Back	10mm	6	132322	1745	18.22	19.10	1.225	0.14	0.379	0.464
	CA_66C_Ant 0	20M	QPSK	1	99	Back	10mm	6	132072	1720	18.34	19.10	1.191	0.01	0.369	0.440
	CA_66B_Ant 0	15MM	QPSK	1	74	Back	10mm	6	132047	1717.5	18.22	19.10	1.225	-0.09	0.370	0.453
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	5	132072	1720	22.29	23.30	1.262	-0.08	0.364	0.459
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	5	132072	1720	22.27	23.30	1.268	0.14	0.296	0.375
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	5	132072	1720	22.29	23.30	1.262	-0.17	0.473	0.597
85	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	5	132072	1720	22.27	23.30	1.268	-0.03	0.500	0.634
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	6	132072	1720	22.29	22.60	1.074	-0.08	0.364	0.391
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	6	132072	1720	22.27	22.60	1.079	0.14	0.296	0.319
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	6	132072	1720	22.29	22.60	1.074	-0.17	0.473	0.508
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	6	132072	1720	22.27	22.60	1.079	-0.03	0.500	0.539
	LTE Band 66_Ant 5	20M	QPSK	1	0	Front	10mm	5/6	132322	1745	23.40	24.50	1.288	-0.05	0.349	0.450
	LTE Band 66_Ant 5	20M	QPSK	50	0	Front	10mm	5/6	132322	1745	22.37	23.50	1.297	-0.08	0.284	0.368
	LTE Band 66_Ant 5	20M	QPSK	1	0	Back	10mm	5/6	132322	1745	23.40	24.50	1.288	-0.03	0.441	0.568
	LTE Band 66_Ant 5	20M	QPSK	50	0	Back	10mm	5/6	132322	1745	22.37	23.50	1.297	0.05	0.339	0.440
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.47	25.00	1.130	-0.01	0.119	0.134
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.48	24.00	1.127	0.08	0.075	0.085
86	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.47	25.00	1.130	-0.06	0.189	0.214
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.48	24.00	1.127	-0.17	0.136	0.153
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	5/6	133297	680.5	24.43	25.00	1.140	-0.03	0.129	0.147
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	5/6	133297	680.5	23.43	24.00	1.140	0.01	0.106	0.121
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	5/6	133297	680.5	24.43	25.00	1.140	-0.04	0.155	0.177
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	5/6	133297	680.5	23.43	24.00	1.140	-0.08	0.118	0.135

<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 n7_Ant 2	50M	BPSK	1	1	Front	10mm	5	507000	2535	20.38	21.90	1.419	0.08	0.234	0.332
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	5	507000	2535	20.32	21.90	1.439	0.02	0.250	0.360
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	5	507000	2535	20.38	21.90	1.419	0.03	0.263	0.373
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	5	507000	2535	20.32	21.90	1.439	-0.01	0.292	0.420
	FR1 n7_Ant 2	50M	BPSK	1	1	Front	10mm	6	507000	2535	20.38	21.20	1.208	0.08	0.234	0.283
	FR1 n7_Ant 2	50M	BPSK	135	68	Front	10mm	6	507000	2535	20.32	21.20	1.225	0.02	0.250	0.306
	FR1 n7_Ant 2	50M	BPSK	1	1	Back	10mm	6	507000	2535	20.38	21.20	1.208	0.03	0.263	0.318
	FR1 n7_Ant 2	50M	BPSK	135	68	Back	10mm	6	507000	2535	20.32	21.20	1.225	-0.01	0.292	0.358
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	5	507000	2535	20.80	22.40	1.445	-0.05	0.447	0.646
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	5	507000	2535	20.64	22.40	1.500	0.01	0.413	0.619
87	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	5	507000	2535	20.80	22.40	1.445	-0.15	0.523	0.756
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	5	507000	2535	20.64	22.40	1.500	0.1	0.464	0.696
	FR1 n7_Ant 0	50M	BPSK	1	1	Front	10mm	6	507000	2535	20.80	21.70	1.230	-0.05	0.447	0.550
	FR1 n7_Ant 0	50M	BPSK	135	68	Front	10mm	6	507000	2535	20.64	21.70	1.276	0.01	0.413	0.527
	FR1 n7_Ant 0	50M	BPSK	1	1	Back	10mm	6	507000	2535	20.80	21.70	1.230	-0.15	0.523	0.643
	FR1 n7_Ant 0	50M	BPSK	135	68	Back	10mm	6	507000	2535	20.64	21.70	1.276	0.1	0.464	0.592
	FR1 n12_Ant 0	15M	BPSK	1	1	Front	10mm	5/6	141500	707.5	24.35	25.00	1.161	0.08	0.252	0.293
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.32	25.00	1.169	0.02	0.256	0.299
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	10mm	5/6	141500	707.5	24.35	25.00	1.161	0.03	0.285	0.331
88	FR1 n12_Ant 0	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.32	25.00	1.169	0.02	0.295	0.345
	FR1 n12_Ant 1	15M	BPSK	1	1	Front	10mm	5/6	141500	707.5	24.16	24.70	1.132	-0.08	0.099	0.112
	FR1 n12_Ant 1	15M	BPSK	36	22	Front	10mm	5/6	141500	707.5	24.09	24.70	1.151	-0.02	0.121	0.139
	FR1 n12_Ant 1	15M	BPSK	1	1	Back	10mm	5/6	141500	707.5	24.16	24.70	1.132	0.1	0.114	0.129
	FR1 n12_Ant 1	15M	BPSK	36	22	Back	10mm	5/6	141500	707.5	24.09	24.70	1.151	-0.01	0.150	0.173
	FR1 n14_Ant 0	10M	BPSK	1	1	Front	10mm	5/6	158600	793	24.31	25.00	1.172	0.01	0.336	0.394
	FR1 n14_Ant 0	10M	BPSK	25	14	Front	10mm	5/6	158600	793	24.28	25.00	1.180	0.08	0.323	0.381
89	FR1 n14_Ant 0	10M	BPSK	1	1	Back	10mm	5/6	158600	793	24.31	25.00	1.172	0.01	0.471	0.552
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	10mm	5/6	158600	793	24.28	25.00	1.180	-0.17	0.465	0.549
	FR1 n14_Ant 1	10M	BPSK	1	1	Front	10mm	5/6	158600	793	24.15	25.00	1.216	0.08	0.187	0.227
	FR1 n14_Ant 1	10M	BPSK	25	14	Front	10mm	5/6	158600	793	24.12	25.00	1.225	0.02	0.192	0.235
	FR1 n14_Ant 1	10M	BPSK	1	1	Back	10mm	5/6	158600	793	24.15	25.00	1.216	0.01	0.192	0.234
	FR1 n14_Ant 1	10M	BPSK	25	14	Back	10mm	5/6	158600	793	24.12	25.00	1.225	0	0.193	0.236

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 n25_Ant 2	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	21.33	22.80	1.403	0.1	0.282	0.396
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	21.34	22.80	1.400	-0.07	0.295	0.413
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	21.33	22.80	1.403	0.1	0.292	0.410
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	21.34	22.80	1.400	-0.05	0.303	0.424
	FR1 n25_Ant 2	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	21.33	22.10	1.194	0.1	0.282	0.337
	FR1 n25_Ant 2	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	21.34	22.10	1.191	-0.07	0.295	0.351
	FR1 n25_Ant 2	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	21.33	22.10	1.194	0.1	0.292	0.349
	FR1 n25_Ant 2	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	21.34	22.10	1.191	-0.05	0.303	0.361
	FR1 n25_Ant 0	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	18.81	20.50	1.476	0.08	0.445	0.657
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	18.77	20.50	1.489	-0.16	0.452	0.673
	FR1 n25_Ant 0	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	18.81	20.50	1.476	0.03	0.474	0.699
	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	18.77	20.50	1.489	-0.02	0.485	0.722
	FR1 n25_Ant 0	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	18.81	19.80	1.256	0.08	0.445	0.559
	FR1 n25_Ant 0	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	18.77	19.80	1.268	-0.16	0.452	0.573
	FR1 n25_Ant 0	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	18.81	19.80	1.256	0.03	0.474	0.595
	FR1 n25_Ant 0	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	18.77	19.80	1.268	-0.02	0.485	0.615
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	10mm	5	376500	1882.5	22.02	23.20	1.312	-0.03	0.345	0.453
	FR1 n25_Ant 1	40M	BPSK	108	54	Front	10mm	5	376500	1882.5	22.00	23.20	1.318	-0.16	0.431	0.568
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	10mm	5	376500	1882.5	22.02	23.20	1.312	0.06	0.570	0.748
90	FR1 n25_Ant 1	40M	BPSK	108	54	Back	10mm	5	376500	1882.5	22.00	23.20	1.318	0.01	0.613	0.808
	FR1 n25_Ant 1	40M	BPSK	216	0	Back	10mm	5	376500	1882.5	21.97	23.20	1.327	-0.12	0.487	0.646
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	10mm	6	376500	1882.5	22.02	22.50	1.117	-0.03	0.345	0.385
	FR1 n25_Ant 1	40M	BPSK	108	54	Front	10mm	6	376500	1882.5	22.00	22.50	1.122	-0.16	0.431	0.484
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	10mm	6	376500	1882.5	22.02	22.50	1.117	0.06	0.570	0.637
	FR1 n25_Ant 1	40M	BPSK	108	54	Back	10mm	6	376500	1882.5	22.00	22.50	1.122	0.01	0.613	0.688
	FR1 n25_Ant 5	40M	BPSK	1	1	Front	10mm	5/6	376500	1882.5	23.28	24.50	1.324	0.19	0.257	0.340
	FR1 n25_Ant 5	40M	BPSK	108	54	Front	10mm	5/6	376500	1882.5	23.25	24.50	1.334	-0.06	0.301	0.401
	FR1 n25_Ant 5	40M	BPSK	1	1	Back	10mm	5/6	376500	1882.5	23.28	24.50	1.324	-0.18	0.418	0.554
	FR1 n25_Ant 5	40M	BPSK	108	54	Back	10mm	5/6	376500	1882.5	23.25	24.50	1.334	-0.05	0.457	0.609
	FR1 n26_Ant 0	20M	BPSK	1	1	Front	10mm	5/6	166300	831.5	24.33	25.00	1.167	0.01	0.288	0.336
	FR1 n26_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	166300	831.5	24.30	25.00	1.175	0.01	0.279	0.328
91	FR1 n26_Ant 0	20M	BPSK	1	1	Back	10mm	5/6	166300	831.5	24.33	25.00	1.167	0.01	0.493	0.575
	FR1 n26_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	166300	831.5	24.30	25.00	1.175	0.03	0.477	0.560
	FR1 n26_Ant 1	20M	BPSK	1	1	Front	10mm	5/6	166300	831.5	24.10	24.70	1.148	0.12	0.121	0.139
	FR1 n26_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	166300	831.5	24.06	24.70	1.159	-0.02	0.130	0.151
	FR1 n26_Ant 1	20M	BPSK	1	1	Back	10mm	5/6	166300	831.5	24.10	24.70	1.148	0.1	0.179	0.206
	FR1 n26_Ant 1	20M	BPSK	50	28	Back	10mm	5/6	166300	831.5	24.06	24.70	1.159	-0.03	0.196	0.227

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 n30_Ant 2	10M	BPSK	1	1	Front	10mm	5	462000	2310	20.38	21.80	1.387	-0.01	0.248	0.344
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	5	462000	2310	20.43	21.80	1.371	0.14	0.237	0.325
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	5	462000	2310	20.38	21.80	1.387	0.11	0.234	0.325
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	5	462000	2310	20.43	21.80	1.371	0.11	0.228	0.313
	FR1 n30_Ant 2	10M	BPSK	1	1	Front	10mm	6	462000	2310	20.38	21.10	1.180	-0.01	0.248	0.293
	FR1 n30_Ant 2	10M	BPSK	25	14	Front	10mm	6	462000	2310	20.43	21.10	1.167	0.14	0.237	0.277
	FR1 n30_Ant 2	10M	BPSK	1	1	Back	10mm	6	462000	2310	20.38	21.10	1.180	0.11	0.234	0.276
	FR1 n30_Ant 2	10M	BPSK	25	14	Back	10mm	6	462000	2310	20.43	21.10	1.167	0.11	0.228	0.266
	FR1 n30_Ant 0	10M	BPSK	1	1	Front	10mm	5	462000	2310	19.55	21.30	1.496	0.08	0.348	0.521
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	5	462000	2310	19.53	21.30	1.503	-0.07	0.353	0.531
	FR1 n30_Ant 0	10M	BPSK	1	1	Back	10mm	5	462000	2310	19.55	21.30	1.496	0.01	0.487	0.729
92	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	5	462000	2310	19.53	21.30	1.503	0.15	0.488	0.734
	FR1 n30_Ant 0	10M	BPSK	1	1	Front	10mm	6	462000	2310	19.55	20.60	1.274	0.08	0.348	0.443
	FR1 n30_Ant 0	10M	BPSK	25	14	Front	10mm	6	462000	2310	19.53	20.60	1.279	-0.07	0.353	0.452
	FR1 n30_Ant 0	10M	BPSK	1	1	Back	10mm	6	462000	2310	19.55	20.60	1.274	0.01	0.487	0.620
	FR1 n30_Ant 0	10M	BPSK	25	14	Back	10mm	6	462000	2310	19.53	20.60	1.279	0.15	0.488	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	Duty Cycle %	Duty Cycle 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	20.95	21.90	1.245			0	0.319	0.397
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	20.75	21.90	1.303			0.08	0.274	0.357
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	20.95	21.90	1.245			-0.11	0.304	0.378
	FR1 n41_Ant 2	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	20.75	21.90	1.303			0.01	0.251	0.327
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	24.10	24.90	1.202	50	1.000	0.15	0.308	0.370
	FR1 n41_Ant 2	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	20.95	21.20	1.059			0	0.319	0.338
	FR1 n41_Ant 2	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	20.75	21.20	1.109			0.08	0.274	0.304
	FR1 n41_Ant 2	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	20.95	21.20	1.059			-0.11	0.304	0.322
	FR1 n41_Ant 2	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	20.75	21.20	1.109			0.01	0.251	0.278
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	24.10	24.20	1.023	50	1.000	0.15	0.308	0.315
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	21.82	22.60	1.197			-0.12	0.428	0.512
	FR1 n41_Ant 0	100M	BPSK	135	138	Front	10mm	5	518598	2592.99	21.70	22.60	1.230			0.12	0.390	0.480
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	21.82	22.60	1.197			-0.12	0.567	0.679
	FR1 n41_Ant 0	100M	BPSK	135	138	Back	10mm	5	518598	2592.99	21.70	22.60	1.230			0.08	0.422	0.519
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	24.96	25.80	1.213	50	1.000	-0.17	0.529	0.642
	FR1 n41_Ant 0	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	21.82	21.90	1.019			-0.12	0.428	0.436
	FR1 n41_Ant 0	100M	BPSK	135	138	Front	10mm	6	518598	2592.99	21.70	21.90	1.047			0.12	0.390	0.408
	FR1 n41_Ant 0	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	21.82	21.90	1.019			-0.12	0.567	0.578
	FR1 n41_Ant 0	100M	BPSK	135	138	Back	10mm	6	518598	2592.99	21.70	21.90	1.047			0.08	0.422	0.442
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	24.96	25.10	1.033	50	1.000	-0.17	0.529	0.546
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	22.05	23.10	1.274			0.08	0.226	0.288
	FR1 n41_Ant 1	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	21.71	23.10	1.377			-0.19	0.257	0.354
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	22.05	23.10	1.274			0.05	0.473	0.602
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	21.71	23.10	1.377			-0.03	0.428	0.589
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	24.36	26.10	1.493	50	1.000	0.14	0.387	0.578
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	22.05	22.40	1.084			0.08	0.226	0.245
	FR1 n41_Ant 1	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	21.71	22.40	1.172			-0.19	0.257	0.301
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	22.05	22.40	1.084			0.05	0.473	0.513
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	21.71	22.40	1.172			-0.03	0.428	0.502
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	24.36	25.40	1.271	50	1.000	0.14	0.387	0.492
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	5	518598	2592.99	23.03	24.50	1.403			0.04	0.282	0.396
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	5	518598	2592.99	22.91	24.50	1.442			0.01	0.218	0.314
93	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	23.03	24.50	1.403			-0.01	0.538	0.755
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	5	518598	2592.99	22.91	24.50	1.442			0.03	0.372	0.536
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	5	518598	2592.99	26.05	26.90	1.216	50	1.000	0.1	0.539	0.656
	FR1 n41_Ant 5	100M	BPSK	1	1	Front	10mm	6	518598	2592.99	23.03	23.80	1.194			0.04	0.282	0.337
	FR1 n41_Ant 5	100M	BPSK	135	69	Front	10mm	6	518598	2592.99	22.91	23.80	1.227			0.01	0.218	0.268
	FR1 n41_Ant 5	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	23.03	23.80	1.194			-0.01	0.538	0.642
	FR1 n41_Ant 5	100M	BPSK	135	69	Back	10mm	6	518598	2592.99	22.91	23.80	1.227			0.03	0.372	0.457
	FR1 n41_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	6	518598	2592.99	26.05	26.80	1.189	50	1.000	0.1	0.539	0.641

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	104	Front	10mm	5	641666	3624.99	20.15	21.40	1.334	-0.06	0.249	0.332
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	20.10	21.40	1.349	0.04	0.234	0.316
	FR1 n48_Ant 6	40M	BPSK	1	104	Back	10mm	5	641666	3624.99	20.15	21.40	1.334	-0.01	0.248	0.331
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	20.10	21.40	1.349	-0.08	0.243	0.328
	FR1 n48_Ant 6	40M	BPSK	1	104	Front	10mm	6	641666	3624.99	20.15	20.70	1.135	-0.06	0.249	0.283
	FR1 n48_Ant 6	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	20.10	20.70	1.148	0.04	0.234	0.269
	FR1 n48_Ant 6	40M	BPSK	1	104	Back	10mm	6	641666	3624.99	20.15	20.70	1.135	-0.01	0.248	0.281
	FR1 n48_Ant 6	40M	BPSK	50	25	Back	10mm	6	641666	3624.99	20.10	20.70	1.148	-0.08	0.243	0.279
	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	5	641666	3624.99	18.21	20.00	1.510	0.05	0.206	0.311
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	18.19	20.00	1.517	-0.06	0.212	0.322
	FR1 n48_Ant 7	40M	BPSK	1	1	Back	10mm	5	641666	3624.99	18.21	20.00	1.510	0.06	0.259	0.391
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	18.19	20.00	1.517	0.12	0.269	0.408
	FR1 n48_Ant 7	40M	BPSK	1	1	Front	10mm	6	641666	3624.99	18.21	19.30	1.285	0.05	0.206	0.265
	FR1 n48_Ant 7	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	18.19	19.30	1.291	-0.06	0.212	0.274
	FR1 n48_Ant 7	40M	BPSK	1	1	Back	10mm	6	641666	3624.99	18.21	19.30	1.285	0.06	0.259	0.333
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	10mm	6	641666	3624.99	18.19	19.30	1.291	0.12	0.269	0.347
	FR1 n48_Ant 1	40M	BPSK	1	104	Front	10mm	5	641666	3624.99	19.72	20.50	1.197	0.03	0.209	0.250
	FR1 n48_Ant 1	20M	BPSK	1	49	Front	10mm	5	641666	3624.99	21.26	22.50	1.330	0.07	0.292	0.388
	FR1 n48_Ant 1	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	21.25	22.50	1.334	0.15	0.297	0.396
	FR1 n48_Ant 1	40M	BPSK	1	104	Back	10mm	5	641666	3624.99	19.72	20.50	1.197	0.16	0.219	0.262
	FR1 n48_Ant 1	20M	BPSK	1	49	Back	10mm	5	641666	3624.99	21.26	22.50	1.330	-0.18	0.308	0.410
	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	21.25	22.50	1.334	-0.11	0.315	0.420
	FR1 n48_Ant 1	40M	BPSK	1	104	Front	10mm	6	641666	3624.99	19.72	20.50	1.197	0.03	0.209	0.250
	FR1 n48_Ant 1	20M	BPSK	1	49	Front	10mm	6	641666	3624.99	21.26	21.80	1.132	0.07	0.292	0.331
	FR1 n48_Ant 1	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	21.25	21.80	1.135	0.15	0.297	0.337
	FR1 n48_Ant 1	40M	BPSK	1	104	Back	10mm	6	641666	3624.99	19.72	20.50	1.197	0.16	0.219	0.262
	FR1 n48_Ant 1	20M	BPSK	1	49	Back	10mm	6	641666	3624.99	21.26	21.80	1.132	-0.18	0.308	0.349
	FR1 n48_Ant 1	40M	BPSK	50	25	Back	10mm	6	641666	3624.99	21.25	21.80	1.135	-0.11	0.315	0.358
	FR1 n48_Ant 5	40M	BPSK	1	1	Front	10mm	5	641666	3624.99	19.07	20.50	1.390	0.08	0.111	0.154
	FR1 n48_Ant 5	20M	QPSK	1	49	Front	10mm	5	641666	3624.99	23.01	25.00	1.581	0.08	0.240	0.379
	FR1 n48_Ant 5	40M	BPSK	50	25	Front	10mm	5	641666	3624.99	22.92	24.50	1.439	0.07	0.252	0.363
	FR1 n48_Ant 5	15M	BPSK	18	9	Front	10mm	5	641666	3624.99	23.01	25.00	1.581	0.12	0.249	0.394
	FR1 n48_Ant 5	40M	BPSK	1	1	Back	10mm	5	641666	3624.99	19.07	20.50	1.390	0.03	0.131	0.182
94	FR1 n48_Ant 5	20M	QPSK	1	49	Back	10mm	5	641666	3624.99	23.01	25.00	1.581	-0.03	0.339	0.536
	FR1 n48_Ant 5	40M	BPSK	50	25	Back	10mm	5	641666	3624.99	22.92	24.50	1.439	0.05	0.329	0.473
	FR1 n48_Ant 5	15M	BPSK	18	9	Back	10mm	5	641666	3624.99	23.01	25.00	1.581	0.03	0.337	0.533
	FR1 n48_Ant 5	40M	BPSK	1	1	Front	10mm	6	641666	3624.99	19.07	20.50	1.390	0.08	0.111	0.154
	FR1 n48_Ant 5	20M	BPSK	1	49	Front	10mm	6	641666	3624.99	22.99	24.40	1.384	0.01	0.249	0.345
	FR1 n48_Ant 5	40M	BPSK	50	25	Front	10mm	6	641666	3624.99	22.92	24.40	1.406	0.07	0.252	0.354
	FR1 n48_Ant 5	40M	BPSK	1	1	Back	10mm	6	641666	3624.99	19.07	20.50	1.390	0.03	0.131	0.182
	FR1 n48_Ant 5	20M	BPSK	1	49	Back	10mm	6	641666	3624.99	22.99	24.40	1.384	-0.08	0.326	0.451
	FR1 n48_Ant 5	40M	BPSK	50	25	Back	10mm	6	641666	3624.99	22.92	24.40	1.406	0.05	0.329	0.463

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	21.84	23.30	1.400	0.06	0.280	0.392
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	5	349000	1745	21.82	23.30	1.406	-0.08	0.275	0.387
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	5	349000	1745	21.84	23.30	1.400	-0.03	0.269	0.376
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	5	349000	1745	21.82	23.30	1.406	0.05	0.254	0.357
	FR1 n66_Ant 2	40M	BPSK	1	1	Front	10mm	6	349000	1745	21.84	22.60	1.191	0.06	0.280	0.334
	FR1 n66_Ant 2	40M	BPSK	108	54	Front	10mm	6	349000	1745	21.82	22.60	1.197	-0.08	0.275	0.329
	FR1 n66_Ant 2	40M	BPSK	1	1	Back	10mm	6	349000	1745	21.84	22.60	1.191	-0.03	0.269	0.320
	FR1 n66_Ant 2	40M	BPSK	108	54	Back	10mm	6	349000	1745	21.82	22.60	1.197	0.05	0.254	0.304
	FR1 n66_Ant 0	40M	BPSK	1	1	Front	10mm	5	349000	1745	18.95	20.50	1.429	-0.19	0.325	0.464
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	5	349000	1745	18.94	20.50	1.432	-0.03	0.323	0.463
	FR1 n66_Ant 0	40M	BPSK	1	1	Back	10mm	5	349000	1745	18.95	20.50	1.429	0.09	0.441	0.630
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	5	349000	1745	18.94	20.50	1.432	0.14	0.434	0.622
	FR1 n66_Ant 0	40M	BPSK	1	1	Front	10mm	6	349000	1745	18.95	19.80	1.216	-0.19	0.325	0.395
	FR1 n66_Ant 0	40M	BPSK	108	54	Front	10mm	6	349000	1745	18.94	19.80	1.219	-0.03	0.323	0.394
	FR1 n66_Ant 0	40M	BPSK	1	1	Back	10mm	6	349000	1745	18.95	19.80	1.216	0.09	0.441	0.536
	FR1 n66_Ant 0	40M	BPSK	108	54	Back	10mm	6	349000	1745	18.94	19.80	1.219	0.14	0.434	0.529
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	5	349000	1745	22.99	24.00	1.262	-0.13	0.453	0.572
	FR1 n66_Ant 1	40M	BPSK	108	54	Front	10mm	5	349000	1745	22.97	24.00	1.268	-0.11	0.499	0.633
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	5	349000	1745	22.99	24.00	1.262	-0.12	0.628	0.792
95	FR1 n66_Ant 1	40M	BPSK	108	54	Back	10mm	5	349000	1745	22.97	24.00	1.268	-0.12	0.733	0.929
	FR1 n66_Ant 1	40M	BPSK	216	0	Back	10mm	5	349000	1745	22.91	24.00	1.285	-0.15	0.542	0.697
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	6	349000	1745	22.99	23.30	1.074	-0.13	0.453	0.487
	FR1 n66_Ant 1	40M	BPSK	108	54	Front	10mm	6	349000	1745	22.97	23.30	1.079	-0.11	0.499	0.538
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	6	349000	1745	22.99	23.30	1.074	-0.12	0.628	0.674
	FR1 n66_Ant 1	40M	BPSK	108	54	Back	10mm	6	349000	1745	22.97	23.30	1.079	-0.12	0.733	0.791
	FR1 n66_Ant 5	40M	BPSK	1	1	Front	10mm	5/6	349000	1745	23.43	24.50	1.279	0.05	0.323	0.413
	FR1 n66_Ant 5	40M	BPSK	108	54	Front	10mm	5/6	349000	1745	23.41	24.50	1.285	0.02	0.434	0.558
	FR1 n66_Ant 5	40M	BPSK	1	1	Back	10mm	5/6	349000	1745	23.43	24.50	1.279	0.03	0.409	0.523
	FR1 n66_Ant 5	40M	BPSK	108	54	Back	10mm	5/6	349000	1745	23.41	24.50	1.285	-0.1	0.494	0.635
	FR1 n70_Ant 2	15M	BPSK	1	1	Front	10mm	5	340500	1702.5	21.49	23.30	1.517	0.08	0.228	0.346
	FR1 n70_Ant 2	15M	BPSK	36	22	Front	10mm	5	340500	1702.5	21.47	23.30	1.524	-0.1	0.236	0.360
	FR1 n70_Ant 2	15M	BPSK	1	1	Back	10mm	5	340500	1702.5	21.49	23.30	1.517	0.03	0.191	0.290
	FR1 n70_Ant 2	15M	BPSK	36	22	Back	10mm	5	340500	1702.5	21.47	23.30	1.524	0.01	0.202	0.308
	FR1 n70_Ant 2	15M	BPSK	1	1	Front	10mm	6	340500	1702.5	21.49	22.60	1.291	0.08	0.228	0.294
	FR1 n70_Ant 2	15M	BPSK	36	22	Front	10mm	6	340500	1702.5	21.47	22.60	1.297	-0.1	0.236	0.306
	FR1 n70_Ant 2	15M	BPSK	1	1	Back	10mm	6	340500	1702.5	21.49	22.60	1.291	0.03	0.191	0.247
	FR1 n70_Ant 2	15M	BPSK	36	22	Back	10mm	6	340500	1702.5	21.47	22.60	1.297	0.01	0.202	0.262
	FR1 n70_Ant 0	15M	BPSK	1	1	Front	10mm	5	340500	1702.5	18.84	20.50	1.466	0.12	0.414	0.607
	FR1 n70_Ant 0	15M	BPSK	36	22	Front	10mm	5	340500	1702.5	18.88	20.50	1.452	-0.02	0.416	0.604
	FR1 n70_Ant 0	15M	BPSK	1	1	Back	10mm	5	340500	1702.5	18.84	20.50	1.466	-0.17	0.503	0.737
96	FR1 n70_Ant 0	15M	BPSK	36	22	Back	10mm	5	340500	1702.5	18.88	20.50	1.452	-0.17	0.510	0.741
	FR1 n70_Ant 0	15M	BPSK	1	1	Front	10mm	6	340500	1702.5	18.84	19.80	1.247	0.12	0.414	0.516
	FR1 n70_Ant 0	15M	BPSK	36	22	Front	10mm	6	340500	1702.5	18.88	19.80	1.236	-0.02	0.416	0.514
	FR1 n70_Ant 0	15M	BPSK	1	1	Back	10mm	6	340500	1702.5	18.84	19.80	1.247	-0.17	0.503	0.627
	FR1 n70_Ant 0	15M	BPSK	36	22	Back	10mm	6	340500	1702.5	18.88	19.80	1.236	-0.17	0.510	0.630
	FR1 n71_Ant 0	20M	BPSK	1	1	Front	10mm	5/6	136100	680.5	24.35	25.00	1.161	-0.17	0.164	0.190
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.34	25.00	1.164	-0.01	0.166	0.193
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	10mm	5/6	136100	680.5	24.35	25.00	1.161	-0.01	0.186	0.216
97	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.34	25.00	1.164	-0.19	0.217	0.253
	FR1 n71_Ant 1	20M	BPSK	1	1	Front	10mm	5/6	136100	680.5	24.56	25.00	1.107	0.03	0.139	0.154
	FR1 n71_Ant 1	20M	BPSK	50	28	Front	10mm	5/6	136100	680.5	24.55	25.00	1.109	-0.02	0.154	0.171
	FR1 n71_Ant 1	20M	BPSK	1	1	Back	10mm	5/6	136100	680.5	24.56	25.00	1.107	-0.08	0.141	0.156
	FR1 n71_Ant 1	20M	BPSK	50	28	Back	10mm	5/6	136100	680.5	24.55	25.00	1.109	0.01	0.156	0.173

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)
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	5	656000	3840	20.08	21.30	1.324			-0.05	0.407	0.539
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	5	656000	3840	19.96	21.30	1.361			0.05	0.410	0.558
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	656000	3840	20.08	21.30	1.324			0.18	0.226	0.299
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	5	656000	3840	19.96	21.30	1.361			-0.1	0.227	0.309
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	5	656000	3840	23.13	24.40	1.340	50	1.000	-0.17	0.399	0.535
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	656000	3840	20.08	20.60	1.127			-0.05	0.407	0.459
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	6	656000	3840	19.96	20.60	1.159			0.05	0.410	0.475
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	656000	3840	20.08	20.60	1.127			0.18	0.226	0.255
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	6	656000	3840	19.96	20.60	1.159			-0.1	0.227	0.263
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	6	656000	3840	23.13	23.70	1.140	50	1.000	-0.17	0.399	0.455
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	19.93	21.30	1.371			0.08	0.134	0.184
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	19.82	21.30	1.406			-0.1	0.159	0.224
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	19.93	21.30	1.371			0.01	0.133	0.182
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	19.82	21.30	1.406			0.08	0.142	0.200
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	23.02	24.40	1.374	50	1.000	0.12	0.144	0.198
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	19.93	20.60	1.167			0.08	0.134	0.156
	FR1 n77_Ant 6	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	19.82	20.60	1.197			-0.1	0.159	0.190
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	19.93	20.60	1.167			0.01	0.133	0.155
	FR1 n77_Ant 6	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	19.82	20.60	1.197			0.08	0.142	0.170
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	23.02	23.70	1.169	50	1.000	0.12	0.144	0.168
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5	656000	3840	18.16	19.60	1.393			-0.15	0.258	0.359
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	5	656000	3840	18.01	19.60	1.442			-0.17	0.234	0.337
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5	656000	3840	18.16	19.60	1.393			-0.03	0.292	0.407
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	5	656000	3840	18.01	19.60	1.442			-0.03	0.239	0.345
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Back	10mm	5	656000	3840	21.14	22.70	1.432	50	1.000	0.1	0.268	0.384
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	6	656000	3840	18.16	18.90	1.186			-0.15	0.258	0.306
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	6	656000	3840	18.01	18.90	1.227			-0.17	0.234	0.287
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	6	656000	3840	18.16	18.90	1.186			-0.03	0.292	0.346
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	6	656000	3840	18.01	18.90	1.227			-0.03	0.239	0.293
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Back	10mm	6	656000	3840	21.14	22.00	1.219	50	1.000	0.1	0.268	0.327
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	18.34	19.60	1.337			0.08	0.291	0.389
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	18.23	19.60	1.371			-0.13	0.306	0.419
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	18.34	19.60	1.337			-0.11	0.280	0.374
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	18.23	19.60	1.371			0.03	0.272	0.373
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	21.33	22.70	1.371			-0.12	0.284	0.389
	FR1 n77_Ant 7	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	18.34	18.90	1.138			0.08	0.291	0.331
	FR1 n77_Ant 7	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	18.23	18.90	1.167			-0.13	0.306	0.357
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	18.34	18.90	1.138			-0.11	0.280	0.319
	FR1 n77_Ant 7	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	18.23	18.90	1.167			0.03	0.272	0.317
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	21.33	22.00	1.167			-0.12	0.284	0.331
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	5	656000	3840	20.21	21.40	1.315			-0.15	0.177	0.233
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	5	656000	3840	19.98	21.40	1.387			0.1	0.134	0.186
98	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5	656000	3840	20.21	21.40	1.315			-0.02	0.498	0.655
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	5	656000	3840	19.98	21.40	1.387			-0.17	0.424	0.588
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	5	656000	3840	23.28	24.60	1.355	50	1.000	0.04	0.458	0.621
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	6	656000	3840	20.21	20.70	1.119			-0.15	0.177	0.198
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	6	656000	3840	19.98	20.70	1.180			0.1	0.134	0.158
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	6	656000	3840	20.21	20.70	1.119			-0.02	0.498	0.557
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	6	656000	3840	19.98	20.70	1.180			-0.17	0.424	0.500
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	6	656000	3840	23.28	23.90	1.153	50	1.000	0.04	0.458	0.528
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	5	633332	3499.98	20.39	21.40	1.262			-0.11	0.342	0.432

	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	5	633332	3499.98	20.17	21.40	1.327			-0.08	0.300	0.398
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	20.39	21.40	1.262			0.01	0.392	0.495
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	5	633332	3499.98	20.17	21.40	1.327			0.05	0.344	0.457
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	5	633332	3499.98	23.39	24.60	1.321	50	1.000	0.06	0.353	0.466
	FR1 n77_Ant 1	100M	BPSK	1	1	Front	10mm	6	633332	3499.98	20.39	20.70	1.074			-0.11	0.342	0.367
	FR1 n77_Ant 1	100M	BPSK	135	69	Front	10mm	6	633332	3499.98	20.17	20.70	1.130			-0.08	0.300	0.339
	FR1 n77_Ant 1	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	20.39	20.70	1.074			0.01	0.392	0.421
	FR1 n77_Ant 1	100M	BPSK	135	69	Back	10mm	6	633332	3499.98	20.17	20.70	1.130			0.05	0.344	0.389
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Back	10mm	6	633332	3499.98	23.39	23.90	1.125	50	1.000	0.06	0.353	0.397
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5/6	650000	3750	23.61	25.00	1.377			0.08	0.190	0.262
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	5/6	650000	3750	23.42	25.00	1.439			0.13	0.187	0.269
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5/6	650000	3750	23.61	25.00	1.377			0.01	0.242	0.333
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	5/6	650000	3750	23.42	25.00	1.439			0.13	0.248	0.357
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	5/6	656000	3840	25.75	27.20	1.396	50	1.000	0.1	0.231	0.323
	FR1 n77_Ant 5	100M	BPSK	1	1	Front	10mm	5/6	633332	3499.98	23.74	25.00	1.337			-0.15	0.098	0.131
	FR1 n77_Ant 5	100M	BPSK	135	69	Front	10mm	5/6	633332	3499.98	23.57	25.00	1.390			0.12	0.094	0.131
	FR1 n77_Ant 5	100M	BPSK	1	1	Back	10mm	5/6	633332	3499.98	23.74	25.00	1.337			0.09	0.113	0.151
	FR1 n77_Ant 5	100M	BPSK	135	69	Back	10mm	5/6	633332	3499.98	23.57	25.00	1.390			0.08	0.106	0.147
	FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	10mm	5/6	633332	3499.98	25.68	27.20	1.419	50	1.000	0.15	0.101	0.143

<NTN 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)
	NTN B23_Ant 1	15K	BPSK	1	10	Front	10mm	5	25600	2010	22.48	23.10	1.153	79	1.051	-0.02	0.570	0.691
	NTN B23_Ant 1	15K	BPSK	1	10	Back	10mm	5	25600	2010	22.48	23.10	1.153	79	1.051	-0.18	0.686	0.832
99	NTN B23_Ant 1	15K	BPSK	1	10	Back	10mm	5	25501	2000.1	22.44	23.10	1.164	79	1.051	-0.02	0.759	0.929
	NTN B23_Ant 1	15K	BPSK	1	10	Back	10mm	5	25699	2019.9	22.19	23.10	1.233	79	1.051	0.1	0.708	0.918
	NTN B255_Ant 4	15K	BPSK	1	10	Front	10mm	5	261843	1660.4	23.49	24.30	1.205	79	1.051	-0.13	0.424	0.537
	NTN B255_Ant 4	15K	BPSK	1	10	Back	10mm	5	261843	1660.4	23.49	24.30	1.205	79	1.051	-0.17	0.568	0.719
100	NTN B255_Ant 4	15K	BPSK	1	10	Back	10mm	5	261505	1626.6	23.46	24.30	1.213	79	1.051	-0.02	0.717	0.914
	NTN B255_Ant 4	15K	BPSK	1	10	Back	10mm	5	261674	1643.5	23.27	24.30	1.268	79	1.051	-0.03	0.565	0.753

<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	3	6	2437	20.89	21.00	1.026	100	1.000	-0.02	0.490	0.503
101	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	3	6	2437	20.89	21.00	1.026	100	1.000	-0.01	0.632	0.648
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	3	1	2412	20.80	21.00	1.047	100	1.000	0.08	0.382	0.400
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	3	1	2412	20.80	21.00	1.047	100	1.000	0.03	0.361	0.378
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3+4(3)	3	11	2462	20.53	21.00	1.114	100	1.000	-0.11	0.408	0.455
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3+4(4)	3	11	2462	19.53	21.00	1.403	100	1.000	-0.11	0.355	0.498
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3+4(3)	3	11	2462	20.53	21.00	1.114	100	1.000	0	0.450	0.501
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3+4(4)	3	11	2462	19.53	21.00	1.403	100	1.000	0	0.306	0.429
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	4	11	2462	14.80	15.50	1.175	100	1.000	-0.03	0.084	0.099
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	4	11	2462	14.80	15.50	1.175	100	1.000	0.02	0.105	0.123
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	4	1	2412	14.84	15.50	1.164	100	1.000	-0.16	0.038	0.044
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	4	1	2412	14.84	15.50	1.164	100	1.000	-0.14	0.044	0.051
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3+4(3)	4	11	2462	14.37	15.50	1.297	100	1.000	0.13	0.078	0.101
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3+4(4)	4	11	2462	15.00	15.50	1.122	100	1.000	0.13	0.061	0.068
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3+4(3)	4	11	2462	14.37	15.50	1.297	100	1.000	-0.18	0.071	0.092
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3+4(4)	4	11	2462	15.00	15.50	1.122	100	1.000	-0.18	0.068	0.076
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(3)	3	46	5230	18.04	20.00	1.570	98.92	1.011	-0.01	0.221	0.351
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(4)	3	46	5230	19.88	20.00	1.028	98.92	1.011	-0.01	0.185	0.192
102	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 3+4(3)	3	46	5230	18.04	20.00	1.570	98.92	1.011	-0.03	0.342	0.543
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 3+4(4)	3	46	5230	19.88	20.00	1.028	98.92	1.011	-0.03	0.167	0.174
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 3+4(3)	3	52	5260	17.65	19.50	1.531	99.52	1.005	-0.07	0.343	0.528
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 3+4(4)	3	52	5260	19.22	19.50	1.067	99.52	1.005	-0.07	0.232	0.249
103	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 3+4(3)	3	52	5260	17.65	19.50	1.531	99.52	1.005	-0.17	0.375	0.577
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 3+4(4)	3	52	5260	19.22	19.50	1.067	99.52	1.005	-0.17	0.164	0.176
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(3)	4	54	5270	17.48	18.50	1.265	98.2	1.018	-0.18	0.211	0.272
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 3+4(4)	4	54	5270	18.43	18.50	1.016	98.2	1.018	-0.18	0.147	0.152
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 3+4(3)	4	54	5270	17.48	18.50	1.265	98.2	1.018	0.18	0.219	0.282
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 3+4(4)	4	54	5270	18.43	18.50	1.016	98.2	1.018	0.18	0.118	0.122
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	3	138	5690	19.05	20.00	1.245	97.76	1.023	-0.12	0.161	0.205
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	3	138	5690	19.91	20.00	1.021	97.76	1.023	-0.12	0.266	0.278
104	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	3	138	5690	19.05	20.00	1.245	97.76	1.023	-0.05	0.383	0.488
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	3	138	5690	19.91	20.00	1.021	97.76	1.023	-0.05	0.421	0.440
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	4	138	5690	17.50	19.00	1.413	97.76	1.023	-0.17	0.116	0.168
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	4	138	5690	18.45	19.00	1.135	97.76	1.023	-0.17	0.172	0.200
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	4	138	5690	17.50	19.00	1.413	97.76	1.023	-0.16	0.186	0.269
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	4	138	5690	18.45	19.00	1.135	97.76	1.023	-0.16	0.247	0.287
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 3+4(3)	3	149	5745	19.04	21.00	1.570	99.51	1.005	-0.06	0.173	0.273
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 3+4(4)	3	149	5745	20.93	21.00	1.016	99.51	1.005	-0.06	0.275	0.281
105	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 3+4(3)	3	149	5745	19.04	21.00	1.570	99.51	1.005	-0.08	0.385	0.608
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 3+4(4)	3	149	5745	20.93	21.00	1.016	99.51	1.005	-0.08	0.395	0.403
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	4	155	5775	16.56	18.00	1.393	97.76	1.023	0.04	0.068	0.097
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	4	155	5775	17.99	18.00	1.002	97.76	1.023	0.04	0.109	0.112
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	4	155	5775	16.56	18.00	1.393	97.76	1.023	0	0.164	0.234
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	4	155	5775	17.99	18.00	1.002	97.76	1.023	0	0.202	0.207
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 3+4(3)	3	173	5865	19.44	21.00	1.432	99.52	1.005	0.02	0.186	0.268
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 3+4(4)	3	173	5865	20.42	21.00	1.143	99.52	1.005	0.02	0.234	0.269
106	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 3+4(3)	3	173	5865	19.44	21.00	1.432	99.52	1.005	-0.09	0.539	0.776
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 3+4(4)	3	173	5865	20.42	21.00	1.143	99.52	1.005	-0.09	0.333	0.382
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(3)	4	171	5855	16.13	17.50	1.371	97.76	1.023	0.06	0.061	0.086
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 3+4(4)	4	171	5855	17.49	17.50	1.002	97.76	1.023	0.06	0.088	0.090
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(3)	4	171	5855	16.13	17.50	1.371	97.76	1.023	-0.07	0.207	0.290
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 3+4(4)	4	171	5855	17.49	17.50	1.002	97.76	1.023	-0.07	0.122	0.125

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)	3	143	6665	14.77	16.50	1.489	95	1.053	0.06	0.042	0.066	0.284	0.445
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95	1.053	0.06	0.019	0.025	0.149	0.198
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	3	143	6665	14.77	16.50	1.489	95	1.053	0.15	0.100	0.157	0.695	1.090
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95	1.053	0.15	0.083	0.110	0.65	0.864
107	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	3	15	6025	13.69	15.50	1.517	95	1.053	-0.1	0.101	0.161	0.807	1.289
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	3	15	6025	15.17	15.50	1.079	95	1.053	-0.1	0.045	0.051	0.381	0.433
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	3	47	6185	14.00	15.50	1.413	95	1.053	0.11	0.038	0.057	0.269	0.400
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	3	47	6185	15.20	15.50	1.072	95	1.053	0.11	0.026	0.029	0.211	0.238
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	3	111	6505	13.33	15.00	1.469	95	1.053	-0.12	0.055	0.085	0.404	0.625
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	3	111	6505	14.96	15.00	1.009	95	1.053	-0.12	0.068	0.072	0.522	0.555
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	3	207	6985	14.48	16.00	1.419	95	1.053	-0.13	0.068	0.102	0.497	0.743
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	3	207	6985	15.72	16.00	1.067	95	1.053	-0.13	0.127	0.143	0.947	1.064
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 3+4(3)	4	143	6665	14.77	16.50	1.489	95	1.053	0.06	0.042	0.066	0.284	0.445
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 3+4(4)	4	143	6665	15.49	16.50	1.262	95	1.053	0.06	0.019	0.025	0.149	0.198
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	143	6665	14.77	16.50	1.489	95	1.053	0.15	0.100	0.157	0.695	1.090
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	143	6665	15.49	16.50	1.262	95	1.053	0.15	0.083	0.110	0.65	0.864
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	15	6025	13.69	15.50	1.517	95	1.053	-0.1	0.101	0.161	0.807	1.289
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	15	6025	15.17	15.50	1.079	95	1.053	-0.1	0.045	0.051	0.381	0.433
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	47	6185	14.00	15.50	1.413	95	1.053	0.11	0.038	0.057	0.269	0.400
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	47	6185	15.20	15.50	1.072	95	1.053	0.11	0.026	0.029	0.211	0.238
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	111	6505	13.33	15.00	1.469	95	1.053	-0.12	0.055	0.085	0.404	0.625
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	111	6505	14.96	15.00	1.009	95	1.053	-0.12	0.068	0.072	0.522	0.555
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(3)	4	207	6985	14.48	16.00	1.419	95	1.053	-0.13	0.068	0.102	0.497	0.743
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	207	6985	15.72	16.00	1.067	95	1.053	-0.13	0.127	0.143	0.947	1.064

<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	0	78	2480	19.58	21.00	1.387	77.07	1.081	0.01	0.160	0.240
108	Bluetooth	1Mbps	Back	10mm	Ant 3	0	78	2480	19.58	21.00	1.387	77.07	1.081	0.01	0.195	0.292
	Bluetooth	1Mbps	Front	10mm	Ant 4	0	78	2480	19.38	21.00	1.452	76.96	1.082	0.02	0.180	0.283
	Bluetooth	1Mbps	Back	10mm	Ant 4	0	78	2480	19.38	21.00	1.452	76.96	1.082	-0.01	0.184	0.289
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	0	78	2480	19.63	21.00	1.371	77.07	1.081	-0.14	0.149	0.221
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	0	78	2480	19.41	21.00	1.442	77.07	1.081	-0.14	0.130	0.203
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(3)	0	78	2480	19.63	21.00	1.371	77.07	1.081	-0.04	0.172	0.255
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(4)	0	78	2480	19.41	21.00	1.442	77.07	1.081	-0.04	0.120	0.187
	Bluetooth	1Mbps	Front	10mm	Ant 3	2	0	2402	16.60	17.00	1.096	77.05	1.081	-0.02	0.106	0.126
	Bluetooth	1Mbps	Back	10mm	Ant 3	2	0	2402	16.60	17.00	1.096	77.05	1.081	-0.01	0.146	0.173
	Bluetooth	1Mbps	Front	10mm	Ant 4	2	78	2480	17.88	19.50	1.452	76.96	1.082	-0.07	0.127	0.200
	Bluetooth	1Mbps	Back	10mm	Ant 4	2	78	2480	17.88	19.50	1.452	76.96	1.082	0.13	0.130	0.204
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(3)	2	39	2441	16.90	17.00	1.023	77.07	1.081	-0.17	0.094	0.104
	Bluetooth	1Mbps	Front	10mm	Ant 3+4(4)	2	39	2441	16.60	17.00	1.096	77.07	1.081	-0.17	0.077	0.091
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(3)	2	39	2441	16.90	17.00	1.023	77.07	1.081	-0.15	0.108	0.119
	Bluetooth	1Mbps	Back	10mm	Ant 3+4(4)	2	39	2441	16.60	17.00	1.096	77.07	1.081	-0.15	0.076	0.090

<Thread 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)
	Thread	250K	Front	10mm	Ant 3	0	25	2475	20.96	22.00	1.271	89.87	1.001	0.02	0.280	0.356
109	Thread	250K	Back	10mm	Ant 3	0	25	2475	20.96	22.00	1.271	89.87	1.001	0.07	0.430	0.547
	Thread	250K	Front	10mm	Ant 3	2	25	2475	14.79	16.50	1.483	89.87	1.001	0.19	0.080	0.119
	Thread	250K	Back	10mm	Ant 3	2	25	2475	14.79	16.50	1.483	89.87	1.001	0.19	0.097	0.144

14.4 Product Specific 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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
110	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Edge	0mm	5	810	1909.8	22.30	23.00	1.175	0.1	2.120	2.491
	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Edge	0mm	5	512	1850.2	22.30	23.00	1.175	0.08	1.580	1.856
	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Edge	0mm	5	661	1880	22.26	23.00	1.186	0.01	1.850	2.194

<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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
111	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Edge	0mm	5	9262	1852.4	19.51	21.00	1.409	0.02	1.580	2.227
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Edge	0mm	5	9400	1880	19.38	21.00	1.452	0.08	1.480	2.149
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Edge	0mm	5	9538	1907.6	19.30	21.00	1.479	0.01	1.420	2.100
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	0mm	5	1312	1712.4	19.90	20.60	1.175	0.08	1.960	2.303
112	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	0mm	5	1413	1732.6	19.77	20.60	1.211	0.01	1.970	2.385
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Edge	0mm	5	1513	1752.6	19.71	20.60	1.227	0.01	1.930	2.369

<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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
113	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	21100	2535	20.33	22.20	1.538			-0.01	1.620	2.492
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	20850	2510	20.30	22.20	1.549			0.03	1.410	2.184
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	21350	2560	20.26	22.20	1.563			-0.08	1.480	2.313
	CA_7C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	21350	2510	20.46	22.20	1.493			0.08	1.480	2.209
	CA_7C_Ant 0	20M	QPSK	1	99	Bottom Edge	0mm	5	20850	2535	20.38	22.20	1.521			0.01	1.410	2.144
	CA_7C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	21100	2560	20.33	22.20	1.538			0.03	1.570	2.415
114	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	26340	1880	18.78	20.40	1.452			-0.01	1.620	2.352
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	26140	1860	18.73	20.40	1.469			0.09	1.560	2.292
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	26590	1905	18.75	20.40	1.462			0.11	1.490	2.179
115	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Edge	0mm	5	27710	2310	19.85	21.50	1.462			0.03	1.690	2.471
116	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40620	2593	23.97	24.80	1.211	62.9	1.006	-0.09	2.040	2.484
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39790	2510	23.95	24.80	1.216	62.9	1.006	0.08	1.890	2.312
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39750	2506	23.96	24.80	1.213	62.9	1.006	0.01	1.760	2.148
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40185	2549.5	23.95	24.80	1.216	62.9	1.006	0.03	1.860	2.276
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41055	2636.5	23.94	24.80	1.219	62.9	1.006	-0.08	1.900	2.330
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41490	2680	23.76	24.80	1.271	62.9	1.006	-0.08	1.940	2.480
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40620	2593	25.86	26.60	1.186	42.9	1.009	0.08	1.950	2.333
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39790	2510	25.83	26.60	1.194	42.9	1.009	0.01	1.890	2.277
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39750	2506	25.85	26.60	1.189	42.9	1.009	0.03	1.760	2.111
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40185	2549.5	25.82	26.60	1.197	42.9	1.009	-0.08	1.820	2.198
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41055	2636.5	25.80	26.60	1.202	42.9	1.009	-0.08	1.930	2.341
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41490	2680	25.62	26.60	1.253	42.9	1.009	0.1	1.910	2.415
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40185	2549.5	22.75	23.10	1.084	62.9	1.006	-0.18	1.820	1.985
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39790	2510	22.56	23.10	1.132	62.9	1.006	0.1	1.860	2.119
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	39750	2506	22.58	23.10	1.127	62.9	1.006	0.12	1.720	1.950
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	40620	2593	22.73	23.10	1.089	62.9	1.006	0.08	2.010	2.202
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41055	2636.5	22.72	23.10	1.091	62.9	1.006	-0.17	1.880	2.064
	CA_41C_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	41490	2680	22.73	23.10	1.089	62.9	1.006	-0.03	1.900	2.081
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	132322	1745	18.26	19.80	1.426			0.01	1.690	2.409
117	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	132072	1720	18.22	19.80	1.439			-0.18	1.720	2.475
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	5	132572	1770	18.24	19.80	1.432			0.08	1.480	2.120

<NTN 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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	NTN B23_Ant 1	15K	BPSK	1	10	Front	0mm	5	25600	2010	22.48	23.10	1.153	79	1.051	0.08	1.850	2.243
118	NTN B23_Ant 1	15K	BPSK	1	10	Front	0mm	5	25501	2000.1	22.44	23.10	1.164	79	1.051	0.04	2.000	2.447
	NTN B23_Ant 1	15K	BPSK	1	10	Front	0mm	5	25699	2019.9	22.19	23.10	1.233	79	1.051	0.01	1.870	2.424
	NTN B23_Ant 1	15K	BPSK	1	10	Back	0mm	5	25600	2010	22.48	23.10	1.153	79	1.051	0.03	1.120	1.358
	NTN B23_Ant 1	15K	BPSK	1	10	Left Edge	0mm	5	25600	2010	22.48	23.10	1.153	79	1.051	-0.08	1.180	1.430
	NTN B23_Ant 1	15K	BPSK	1	10	Right Edge	0mm	5	25600	2010	22.48	23.10	1.153	79	1.051	-0.08	0.102	0.124
	NTN B23_Ant 1	15K	BPSK	1	10	Top Edge	0mm	5	25600	2010	22.48	23.10	1.153	79	1.051	0.1	1.530	1.855
	NTN B255_Ant 4	15K	BPSK	1	10	Front	0mm	5	261843	1660.4	23.49	24.30	1.205	79	1.051	-0.06	1.440	1.824
	NTN B255_Ant 4	15K	BPSK	1	10	Back	0mm	5	261843	1660.4	23.49	24.30	1.205	79	1.051	0.1	1.050	1.330
	NTN B255_Ant 4	15K	BPSK	1	10	Left Edge	0mm	5	261843	1660.4	23.49	24.30	1.205	79	1.051	-0.18	0.131	0.166
119	NTN B255_Ant 4	15K	BPSK	1	10	Right Edge	0mm	5	261843	1660.4	23.49	24.30	1.205	79	1.051	0.07	1.620	2.052
	NTN B255_Ant 4	15K	BPSK	1	10	Right Edge	0mm	5	261505	1626.6	23.46	24.30	1.213	79	1.051	0.1	1.280	1.632
	NTN B255_Ant 4	15K	BPSK	1	10	Right Edge	0mm	5	261674	1643.5	23.27	24.30	1.268	79	1.051	0.12	1.520	2.025
	NTN B255_Ant 4	15K	BPSK	1	10	Top Edge	0mm	5	261843	1660.4	23.49	24.30	1.205	79	1.051	0.08	0.844	1.069

<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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
120	FR1 n7_Ant 0	50M	BPSK	1	1	Bottom Edge	0mm	5	507000	2535	20.80	22.40	1.445	0.14	1.710	2.472
121	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Edge	0mm	5	376500	1882.5	18.81	20.50	1.476	0.05	1.440	2.125

<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	802.11a 6Mbps	Front	0mm	Ant 3+4(3)	3	52	5260	17.65	19.50	1.531	99.52	1.005	0.17	1.480	2.277
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(4)	3	52	5260	19.22	19.50	1.067	99.52	1.005	0.17	2.040	2.187
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(3)	3	56	5280	18.00	19.50	1.413	99.52	1.005	0.12	1.480	2.101
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(4)	3	56	5280	19.31	19.50	1.045	99.52	1.005	0.12	2.040	2.142
122	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(3)	3	60	5300	17.71	19.50	1.510	99.52	1.005	0.16	1.780	2.701
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(4)	3	60	5300	18.97	19.50	1.130	99.52	1.005	0.16	2.240	2.543
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(3)	3	64	5320	17.63	18.00	1.089	99.52	1.005	-0.16	1.050	1.149
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(4)	3	64	5320	16.89	18.00	1.291	99.52	1.005	-0.16	1.050	1.363
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 3+4(3)	3	52	5260	17.65	19.50	1.531	99.52	1.005	0.03	0.262	0.403
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 3+4(4)	3	52	5260	19.22	19.50	1.067	99.52	1.005	0.03	0.634	0.680
	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 3+4(3)	3	52	5260	17.65	19.50	1.531	99.52	1.005	-0.08	1.280	1.970
	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 3+4(4)	3	52	5260	19.22	19.50	1.067	99.52	1.005	-0.08	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 3+4(3)	3	52	5260	17.65	19.50	1.531	99.52	1.005	-0.1	0.001	0.002
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 3+4(4)	3	52	5260	19.22	19.50	1.067	99.52	1.005	-0.1	1.410	1.511
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 3+4(3)	3	52	5260	17.65	19.50	1.531	99.52	1.005	0.05	0.001	0.002
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 3+4(4)	3	52	5260	19.22	19.50	1.067	99.52	1.005	0.05	1.050	1.126
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 3+4(3)	4	54	5270	17.48	18.50	1.265	99.52	1.005	0.04	1.200	1.525
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 3+4(4)	4	54	5270	18.43	18.50	1.016	99.52	1.005	0.04	1.630	1.665
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 3+4(3)	4	54	5270	17.48	18.50	1.265	99.52	1.005	-0.17	0.347	0.441
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 3+4(4)	4	54	5270	18.43	18.50	1.016	99.52	1.005	-0.17	0.044	0.045
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	0mm	Ant 3+4(3)	4	54	5270	17.48	18.50	1.265	99.52	1.005	-0.14	0.736	0.936
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	0mm	Ant 3+4(4)	4	54	5270	18.43	18.50	1.016	99.52	1.005	-0.14	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 3+4(3)	4	54	5270	17.48	18.50	1.265	99.52	1.005	-0.06	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 3+4(4)	4	54	5270	18.43	18.50	1.016	99.52	1.005	-0.06	0.696	0.711
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	0mm	Ant 3+4(3)	4	54	5270	17.48	18.50	1.265	99.52	1.005	-0.03	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	0mm	Ant 3+4(4)	4	54	5270	18.43	18.50	1.016	99.52	1.005	-0.03	0.546	0.558
123	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(3)	3	138	5690	19.05	20.00	1.245	97.76	1.023	-0.18	1.250	1.591
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(4)	3	138	5690	19.91	20.00	1.021	97.76	1.023	-0.18	1.960	2.047
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(3)	3	106	5530	14.13	15.50	1.371	97.76	1.023	0.13	0.367	0.515
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(4)	3	106	5530	15.15	15.50	1.084	97.76	1.023	0.13	0.367	0.407
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(3)	3	122	5610	18.45	19.50	1.274	97.76	1.023	0.14	0.988	1.287
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(4)	3	122	5610	19.50	19.50	1.000	97.76	1.023	0.14	1.650	1.688
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(3)	3	138	5690	19.05	20.00	1.245	97.76	1.023	-0.1	0.326	0.415
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(4)	3	138	5690	19.91	20.00	1.021	97.76	1.023	-0.1	0.479	0.500
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 3+4(3)	3	138	5690	19.05	20.00	1.245	97.76	1.023	-0.12	0.691	0.880
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 3+4(4)	3	138	5690	19.91	20.00	1.021	97.76	1.023	-0.12	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 3+4(3)	3	138	5690	19.05	20.00	1.245	97.76	1.023	-0.15	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 3+4(4)	3	138	5690	19.91	20.00	1.021	97.76	1.023	-0.15	0.700	0.731
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 3+4(3)	3	138	5690	19.05	20.00	1.245	97.76	1.023	-0.06	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 3+4(4)	3	138	5690	19.91	20.00	1.021	97.76	1.023	-0.06	0.514	0.537
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(3)	4	138	5690	17.50	19.00	1.413	97.76	1.023	0.14	0.798	1.153
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(4)	4	138	5690	18.45	19.00	1.135	97.76	1.023	0.14	1.180	1.370
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(3)	4	138	5690	17.50	19.00	1.413	97.76	1.023	-0.08	0.104	0.150
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(4)	4	138	5690	18.45	19.00	1.135	97.76	1.023	-0.08	0.164	0.190
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 3+4(3)	4	138	5690	17.50	19.00	1.413	97.76	1.023	-0.12	0.382	0.552
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 3+4(4)	4	138	5690	18.45	19.00	1.135	97.76	1.023	-0.12	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 3+4(3)	4	138	5690	17.50	19.00	1.413	97.76	1.023	-0.12	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 3+4(4)	4	138	5690	18.45	19.00	1.135	97.76	1.023	-0.12	0.384	0.446
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 3+4(3)	4	138	5690	17.50	19.00	1.413	97.76	1.023	-0.07	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 3+4(4)	4	138	5690	18.45	19.00	1.135	97.76	1.023	-0.07	0.331	0.384
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(3)	3	173	5865	19.44	21.00	1.432	99.52	1.005	0.11	1.110	1.598
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(4)	3	173	5865	20.42	21.00	1.143	99.52	1.005	0.11	1.540	1.769
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 3+4(3)	3	173	5865	19.44	21.00	1.432	99.52	1.005	-0.15	0.363	0.522

	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 3+4(4)	3	173	5865	20.42	21.00	1.143	99.52	1.005	-0.15	0.413	0.474
124	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 3+4(3)	3	173	5865	19.44	21.00	1.432	99.52	1.005	-0.14	1.270	1.828
	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 3+4(4)	3	173	5865	20.42	21.00	1.143	99.52	1.005	-0.14	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 3+4(3)	3	173	5865	19.44	21.00	1.432	99.52	1.005	-0.15	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 3+4(4)	3	173	5865	20.42	21.00	1.143	99.52	1.005	-0.15	0.629	0.722
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 3+4(3)	3	173	5865	19.44	21.00	1.432	99.52	1.005	-0.14	0.001	0.001
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 3+4(4)	3	173	5865	20.42	21.00	1.143	99.52	1.005	-0.14	0.491	0.564
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(3)	4	171	5855	16.13	17.50	1.371	97.76	1.023	0.08	0.550	0.771
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 3+4(4)	4	171	5855	17.49	17.50	1.002	97.76	1.023	0.08	0.707	0.725
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(3)	4	171	5855	16.13	17.50	1.371	97.76	1.023	0.05	0.150	0.210
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 3+4(4)	4	171	5855	17.49	17.50	1.002	97.76	1.023	0.05	0.123	0.126
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 3+4(3)	4	171	5855	16.13	17.50	1.371	97.76	1.023	-0.06	0.403	0.565
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 3+4(4)	4	171	5855	17.49	17.50	1.002	97.76	1.023	-0.06	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 3+4(3)	4	171	5855	16.13	17.50	1.371	97.76	1.023	-0.03	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 3+4(4)	4	171	5855	17.49	17.50	1.002	97.76	1.023	-0.03	0.240	0.246
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 3+4(3)	4	171	5855	16.13	17.50	1.371	97.76	1.023	-0.17	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 3+4(4)	4	171	5855	17.49	17.50	1.002	97.76	1.023	-0.17	0.183	0.188

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)	3	143	6665	14.77	16.50	1.489	95	1.053	0.1	0.318	0.499	7.54	11.825
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95	1.053	0.1	0.190	0.252	4.42	5.873
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 3+4(3)	3	143	6665	14.77	16.50	1.489	95	1.053	-0.01	0.141	0.221	3.23	5.066
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95	1.053	-0.01	0.071	0.094	1.64	2.179
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	3	143	6665	14.77	16.50	1.489	95	1.053	-0.08	0.421	0.660	9.98	15.652
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95	1.053	-0.08	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	3	15	6025	13.69	15.50	1.517	95	1.053	-0.08	0.223	0.356	5.25	8.387
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	3	15	6025	15.17	15.50	1.079	95	1.053	-0.08	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	3	47	6185	14.00	15.50	1.413	95	1.053	0.09	0.280	0.416	6.65	9.891
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	3	47	6185	15.20	15.50	1.072	95	1.053	0.09	0.001	0.001	0.001	0.001
125	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	3	111	6505	13.33	15.00	1.469	95	1.053	-0.13	0.434	0.671	10.3	15.932
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	3	111	6505	14.96	15.00	1.009	95	1.053	0.01	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	3	207	6985	14.48	16.00	1.419	95	1.053	0.15	0.141	0.211	3.32	4.961
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	3	207	6985	15.72	16.00	1.067	95	1.053	0.08	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 3+4(3)	3	143	6665	14.77	16.50	1.489	95	1.053	0.08	0.001	0.002	0.001	0.002
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95	1.053	0.08	0.069	0.092	1.6	2.126
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	0mm	Ant 3+4(3)	3	143	6665	14.77	16.50	1.489	95	1.053	-0.01	0.001	0.002	0.001	0.002
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	0mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95	1.053	-0.05	0.067	0.089	1.57	2.086
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 3+4(3)	4	143	6665	14.77	16.50	1.489	95	1.053	0.1	0.318	0.499	7.54	11.825
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 3+4(4)	4	143	6665	15.49	16.50	1.262	95	1.053	0.1	0.190	0.252	4.42	5.873
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 3+4(3)	4	143	6665	14.77	16.50	1.489	95	1.053	-0.01	0.141	0.221	3.23	5.066
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 3+4(4)	4	143	6665	15.49	16.50	1.262	95	1.053	-0.01	0.071	0.094	1.64	2.179
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	4	143	6665	14.77	16.50	1.489	95	1.053	-0.08	0.421	0.660	9.98	15.652
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	4	143	6665	15.49	16.50	1.262	95	1.053	-0.08	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 3+4(3)	4	143	6665	14.77	16.50	1.489	95	1.053	0.08	0.001	0.002	0.001	0.002
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 3+4(4)	4	143	6665	15.49	16.50	1.262	95	1.053	0.08	0.069	0.092	1.6	2.126
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	0mm	Ant 3+4(3)	4	143	6665	14.77	16.50	1.489	95	1.053	-0.01	0.001	0.002	0.001	0.002
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	0mm	Ant 3+4(4)	4	143	6665	15.49	16.50	1.262	95	1.053	-0.05	0.067	0.089	1.57	2.086
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	4	15	6025	13.69	15.50	1.517	95	1.053	-0.08	0.223	0.356	5.25	8.387
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	4	15	6025	15.17	15.50	1.079	95	1.053	-0.08	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	4	47	6185	14.00	15.50	1.413	95	1.053	0.09	0.280	0.416	6.65	9.891
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	4	47	6185	15.20	15.50	1.072	95	1.053	0.09	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	4	111	6505	13.33	15.00	1.469	95	1.053	-0.13	0.434	0.671	10.3	15.932
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	4	111	6505	14.96	15.00	1.009	95	1.053	0.01	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(3)	4	207	6985	14.48	16.00	1.419	95	1.053	0.15	0.141	0.211	3.32	4.961
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 3+4(4)	4	207	6985	15.72	16.00	1.067	95	1.053	0.08	0.001	0.001	0.001	0.001

<NFC SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Freq. (MHz)	Power Drift (dB)	Measured 10g SAR (W/kg)
	NFC	ASK	Front	0mm	13.56	0	0.001
126	NFC	ASK	Back	0mm	13.56	0	0.014
	NFC	ASK	Left Edge	0mm	13.56	0	0.001
	NFC	ASK	Right Edge	0mm	13.56	0	0.001
	NFC	ASK	Top Edge	0mm	13.56	0	0.001

14.5 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	Left Edge	2mm	Ant 3+4(3)	15	6025	13.69	0.0625	0.821	0.754940664	1.08	2.11
WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	10mm	Ant 3+4(3)	15	6025	13.69	0.25	0.69		0.63	0.736
WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	Ant 3+4(3)	207	6985	14.48	0.0625	1.93	0.952256108	1.1	1.57
WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	8.59mm	Ant 3+4(3)	207	6985	14.48	0.25	1.55		0.99	1.09

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Index	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (λ)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m^2)	Scaled Normal psPD (W/m^2)	Total psPD (W/m^2)	Scaled Total psPD (W/m^2)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(4)	1	15	6025	15.48	16.00	1.127	95.00	1.053	0.0625	1.5535	-0.11	2.78	5.13	3.71	6.84
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	1	47	6185	14.02	16.00	1.578	95.00	1.053	0.0625	1.5535	-0.01	1.83	4.72	2.4	6.19
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	1	111	6505	15.55	17.50	1.567	95.00	1.053	0.0625	1.5535	0.18	2.29	5.87	2.45	6.28
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	1	143	6665	15.53	16.50	1.250	95.00	1.053	0.0625	1.5535	-0.1	2.08	4.25	2.64	5.40
126	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	1	207	6985	12.84	13.50	1.164	95.00	1.053	0.0625	1.5535	0.11	2.69	5.12	3.86	7.35
	WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 4+3(3)	4	143	6665	14.77	16.00	1.327	95.00	1.053	0.0625	1.5535	-0.14	0.75	1.63	0.764	1.66
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	143	6665	15.49	16.00	1.125	95.00	1.053	0.0625	1.5535	-0.11	1.09	2.01	1.38	2.54
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 4+3(3)	4	15	6025	13.69	15.50	1.517	95.00	1.053	0.0625	1.5535	0.11	0.642	1.59	0.752	1.87
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	47	6185	15.20	15.50	1.072	95.00	1.053	0.0625	1.5535	0	0.778	1.36	0.832	1.46
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	111	6505	14.96	15.00	1.009	95.00	1.053	0.0625	1.5535	0.15	0.717	1.18	0.788	1.30
	WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	Ant 3+4(4)	4	207	6985	15.72	16.00	1.067	95.00	1.053	0.0625	1.5535	-0.13	0.683	1.19	0.944	1.65
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	10mm	Ant 4+3(3)	4	143	6665	14.77	16.00	1.327	95.00	1.053	0.0625	1.5535	0.11	0.642	1.39	0.89	1.93
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	10mm	Ant 4+3(4)	4	143	6665	15.49	16.00	1.125	95.00	1.053	0.0625	1.5535	-0.03	0.722	1.33	0.748	1.38
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	10mm	Ant 4+3(3)	4	143	6665	14.77	16.00	1.327	95.00	1.053	0.0625	1.5535	0.1	0.467	1.01	0.487	1.06
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 3+4(3)	3	143	6665	14.77	16.50	1.489	95.00	1.053	0.0625	1.5535	-0.09	1.91	4.65	2.22	5.41
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95.00	1.053	0.0625	1.5535	-0.05	2.02	4.17	2.55	5.26
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	Ant 3+4(3)	3	143	6665	14.77	16.50	1.489	95.00	1.053	0.0625	1.5535	-0.02	2.27	5.53	2.7	6.58
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	Ant 3+4(3)	3	15	6025	13.69	15.50	1.517	95.00	1.053	0.0625	1.5535	0.03	1.08	2.68	2.11	5.24
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	Ant 3+4(3)	3	47	6185	14.00	15.50	1.413	95.00	1.053	0.0625	1.5535	-0.06	1.71	3.95	2.86	6.61
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	Ant 3+4(3)	3	111	6505	13.33	15.00	1.469	95.00	1.053	0.0625	1.5535	0.02	2.43	5.84	3.06	7.35
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	Ant 3+4(3)	3	207	6985	14.48	13.50	0.798	95.00	1.053	0.0625	1.5535	-0.11	1.1	1.44	1.57	2.05
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95.00	1.053	0.0625	1.5535	0.11	1.83	3.78	1.92	3.96
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	2mm	Ant 3+4(4)	3	143	6665	15.49	16.50	1.262	95.00	1.053	0.0625	1.5535	0.04	2.07	4.27	2.33	4.81

14.6 Repeated SAR Measurement

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)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 12_Ant 1	10M_QPSK_1_0	Right Cheek	0mm	2	23095	707.5	23.94	24.60	1.164	0.06	0.833	-	0.970
2nd	LTE Band 12_Ant 1	10M_QPSK_1_0	Right Cheek	0mm	2	23095	707.5	23.94	24.60	1.164	0.11	0.820	1.02	0.955
1st	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	251	848.8	28.85	28.90	1.012	0.08	0.816	-	0.825
2nd	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	4	251	848.8	28.85	28.90	1.012	0.14	0.804	1.01	0.813
1st	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	251	848.8	28.85	29.60	1.189	0.08	0.816	-	0.970
2nd	GSM850_Ant 0	GPRS (4 Tx slots)	Back	10mm	5	251	848.8	28.85	29.60	1.189	0.14	0.804	1.01	0.956

No.	Band	Mode	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 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	NTN B23_Ant 1	15K_BPSK_1_10	Front	0mm	5	25501	2000.1	22.44	23.10	1.164	79	1.051	0.04	2.000	-	2.447
2nd	NTN B23_Ant 1	15K_BPSK_1_10	Front	0mm	5	25501	2000.1	22.44	23.10	1.164	79	1.051	0.09	1.950	1.03	2.386
1st	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Edge	0mm	5	810	1909.8	22.30	23.00	1.175			0.1	2.120	-	2.491
2nd	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Edge	0mm	5	810	1909.8	22.30	23.00	1.175			0.15	2.050	1.03	2.409
1st	LTE Band 41_Ant 0	20M_QPSK_1_0	Bottom Edge	0mm	5	40620	2593	23.97	24.80	1.211	62.9	1.006	-0.09	2.040	-	2.484
2nd	LTE Band 41_Ant 0	20M_QPSK_1_0	Bottom Edge	0mm	5	40620	2593	23.97	24.80	1.211	62.9	1.006	0.01	1.980	1.03	2.411

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)	Ratio	Reported 10g SAR (W/kg)
1st	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(3)	3	60	5300	17.71	19.50	1.510	99.52	1.005	0.16	1.780	-	2.701
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(4)	3	60	5300	18.97	19.50	1.130	99.52	1.005	0.16	2.240		2.543
2nd	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(3)	3	60	5300	17.71	19.50	1.510	99.52	1.005	0.11	1.710	1.03	2.595
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 3+4(4)	3	60	5300	18.97	19.50	1.130	99.52	1.005	0.11	2.170		2.464

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.

14.7 Power Class 2 and Power Class 3 Linearity

General Note:
This device support Power Class 2 and Power Class 3 operations. 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 and 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%

<Head condition>

	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25	26.9
Reported 1g SAR (W/kg)	0.406	0.396
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	212.07
Linearity SAR(W/kg)	0.43	
% deviation from expected linearity		-7.94%

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25	27.1
Reported 1g SAR (W/kg)	0.078	0.078
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	222.07
Linearity SAR(W/kg)	0.09	
% deviation from expected linearity		-9.86%

	FR1 n41_Ant 2	FR1 n41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25	26.9
Reported 1g SAR (W/kg)	0.71	0.527
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	244.89
Linearity SAR(W/kg)	0.55	
% deviation from expected linearity		-4.15%

	FR1 n41_Ant 0	FR1 n41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25	27.1
Reported 1g SAR (W/kg)	0.125	0.106
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	256.43
Linearity SAR(W/kg)	0.10	
% deviation from expected linearity		4.57%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.90	21.90
Reported 1g SAR (W/kg)	0.868	0.816
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	77.62	77.44
Linearity SAR(W/kg)	0.87	
% deviation from expected linearity		-5.77%

	FR1 n41_Ant 5	FR1 n41_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.20	22.20
Reported 1g SAR (W/kg)	0.758	0.709
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	83.18	82.98
Linearity SAR(W/kg)	0.76	
% deviation from expected linearity		-6.24%

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25	27.1
Reported 1g SAR (W/kg)	0.45	0.371
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	256.43
Linearity SAR(W/kg)	0.36	
% deviation from expected linearity		1.67%

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.4	26.7
Reported 1g SAR (W/kg)	0.757	0.626
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	275.42	233.87
Linearity SAR(W/kg)	0.64	
% deviation from expected linearity		-2.61%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	16.40	19.60
Reported 1g SAR (W/kg)	0.894	0.883
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	43.65	45.60
Linearity SAR(W/kg)	0.93	
% deviation from expected linearity		-5.45%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.50	22.70
Reported 1g SAR (W/kg)	0.873	0.846
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	93.10
Linearity SAR(W/kg)	0.91	
% deviation from expected linearity		-7.23%

<Hotspot condition>

	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.8	25.4
Reported 1g SAR (W/kg)	0.494	0.487
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	151.85	150.14
Linearity SAR(W/kg)	0.49	
% deviation from expected linearity		-0.29%

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.1	24.9
Reported 1g SAR (W/kg)	0.847	0.845
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	129.24	133.81
Linearity SAR(W/kg)	0.88	
% deviation from expected linearity		-3.64%

	FR1 n41_Ant 2	FR1 n41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.2	24.2
Reported 1g SAR (W/kg)	0.498	0.476
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	131.83	131.51
Linearity SAR(W/kg)	0.50	
% deviation from expected linearity		-4.19%

	FR1 n41_Ant 0	FR1 n41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.1	24.3
Reported 1g SAR (W/kg)	0.84	0.817
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	128.82	134.58
Linearity SAR(W/kg)	0.88	
% deviation from expected linearity		-6.90%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.70	24.70
Reported 1g SAR (W/kg)	0.391	0.388
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	147.91	147.56
Linearity SAR(W/kg)	0.39	
% deviation from expected linearity		-0.53%

	FR1 n41_Ant 5	FR1 n41_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.50	26.50
Reported 1g SAR (W/kg)	0.847	0.846
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	223.87	223.34
Linearity SAR(W/kg)	0.84	
% deviation from expected linearity		0.12%

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.6	23.7
Reported 1g SAR (W/kg)	0.475	0.455
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	114.82	117.21
Linearity SAR(W/kg)	0.48	
% deviation from expected linearity		-6.17%

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.9	22
Reported 1g SAR (W/kg)	0.644	0.642
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	77.62	79.24
Linearity SAR(W/kg)	0.66	
% deviation from expected linearity		-2.35%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.20	23.40
Reported 1g SAR (W/kg)	0.628	0.613
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	104.71	109.39
Linearity SAR(W/kg)	0.66	
% deviation from expected linearity		-6.56%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25	27.20
Reported 1g SAR (W/kg)	0.357	0.323
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	262.40
Linearity SAR(W/kg)	0.30	
% deviation from expected linearity		9.03%

<Body-worn condition>

	LTE Band 41_Ant 2	LTE Band 41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.5	26.1
Reported 1g SAR (W/kg)	0.566	0.537
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	178.40	176.40
Linearity SAR(W/kg)	0.56	
% deviation from expected linearity		-4.04%

	LTE Band 41_Ant 0	LTE Band 41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.8	26.6
Reported 1g SAR (W/kg)	0.538	0.508
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	191.16	197.92
Linearity SAR(W/kg)	0.56	
% deviation from expected linearity		-8.80%

	FR1 n41_Ant 2	FR1 n41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.9	24.9
Reported 1g SAR (W/kg)	0.397	0.37
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	154.88	154.51
Linearity SAR(W/kg)	0.40	
% deviation from expected linearity		-6.58%

	FR1 n41_Ant 0	FR1 n41_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.6	25.8
Reported 1g SAR (W/kg)	0.679	0.642
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	181.97	190.09
Linearity SAR(W/kg)	0.71	
% deviation from expected linearity		-9.49%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.10	26.10
Reported 1g SAR (W/kg)	0.602	0.578
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	204.17	203.69
Linearity SAR(W/kg)	0.60	
% deviation from expected linearity		-3.76%

	FR1 n41_Ant 5	FR1 n41_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24.50	26.90
Reported 1g SAR (W/kg)	0.755	0.656
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	281.84	244.89
Linearity SAR(W/kg)	0.66	
% deviation from expected linearity		0.00%

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.3	24.4
Reported 1g SAR (W/kg)	0.558	0.535
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	134.90	137.71
Linearity SAR(W/kg)	0.57	
% deviation from expected linearity		-6.08%

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.6	22.7
Reported 1g SAR (W/kg)	0.419	0.389
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	91.20	93.10
Linearity SAR(W/kg)	0.43	
% deviation from expected linearity		-9.06%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.40	24.60
Reported 1g SAR (W/kg)	0.655	0.621
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	138.04	144.20
Linearity SAR(W/kg)	0.68	
% deviation from expected linearity		-9.24%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25.00	27.20
Reported 1g SAR (W/kg)	0.357	0.323
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	316.23	262.40
Linearity SAR(W/kg)	0.30	
% deviation from expected linearity		9.03%

<Product Specific condition>

	LTE Band 41_Ant 0 (Power Class 3)	LTE Band 41_Ant 0 (Power Class 2)
Maximum Tune up Power (dBm)	24.8	26.6
Reported 10g SAR (W/kg)	2.484	2.415
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	191.16	197.92
Linearity SAR(W/kg)	2.57	
% deviation from expected linearity		-6.10%

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.

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15. Uncertainty Assessment

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**

16. References

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

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

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

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

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

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

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

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

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

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[14] 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

[15] SPEAG DASY6 System Handbook

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