FCC SAR Test Report

APPLICANT	:	Motorola Mobility, LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2131-1, XT2131-4, XT2131-3, XT2131DL
FCC ID	:	IHDT56ZL1
STANDARD	:	FCC 47 CFR Part 2 (2.1093)

The product was received on Jan. 29, 2021 and testing was started from Feb. 06, 2021 and completed on Mar. 21, 2021. We, Sporton International (ShenZhen) Inc, would like to declare that the tested sample has been evaluated in accordance with the procedures and had been in compliance with the applicable technical standards.

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

Hank Huang

Reviewed by: Hank Huang / Supervisor

Johnny Chen

Approved by: Johnny Chen / Manager

ACCREDITED Cert #5145.01

Sporton International (ShenZhen) Inc.
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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA112907	Rev. 01	Initial issue of report.	Mar. 31, 2021

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for **Motorola Mobility, LLC, Mobile Cellular Phone, XT2131-1, XT2131-4, XT2131-3, XT2131DL,** are as follows.

Highest 1g SAR Summary						
Equipment Class	Frequency Band		Head (Separation 0mm)	Hotspot (Separation 5mm)	Body-worn (Separation 5mm)	Highest Simultaneous Transmission 1g SAR (W/kg)
			1g SAR (W/kg)			
Licensed	GSM	GSM850	0.26	1.18	1.18	1.58
		GSM1900	<0.10	1.18	1.06	
	CDMA	BC0	0.21	1.06	1.14	
		BC10	0.14	**1.19**	1.18	
		BC1	0.11	1.13	1.16	
	WCDMA	Band V	0.23	0.94	0.94	
		Band IV	0.12	0.99	1.02	
		Band II	0.11	1.05	1.11	
	LTE	Band 71	0.97	0.79	0.79	
		Band 12/Band 17	1.02	0.93	0.93	
		Band 13	0.95	1.06	1.06	
		Band 14	1.14	1.15	1.15	
		Band 26/Band 5	**1.19**	**1.19**	**1.19**	
		Band 66/Band 4	1.18	1.17	1.03	
		Band 25/Band 2	1.17	1.04	1.18	
		Band 30	1.18	**1.19**	1.17	
		Band 7	<0.10	0.92	1.09	
		Band 41/Band 38	<0.10	1.18	1.17	
		Band 48	0.43	0.50	1.16	
	5G NR	n71	0.99	0.84	0.84	
		n12	1.16	0.64	0.59	
		n26/ n5	1.02	1.02	1.02	
		n66	**1.19**	1.18	1.16	
		n25/ n2	1.15	1.13	**1.19**	
		n30	1.15	0.74	**1.19**	
		n41	<0.10	1.18	1.15	
		n77	0.84	0.63	1.11	
		n78	0.84	0.64	1.11	
DTS	WLAN	2.4GHz WLAN	**1.19**	1.13	1.13	1.57
NII		5GHz WLAN	0.33	1.17	1.17	1.58
DSS	Bluetooth	2.4GHz Bluetooth	<0.10	<0.10	<0.10	1.24

Highest 10g SAR Summary				
Equipment Class	Frequency Band		Product Specific 10g SAR (W/kg) (Separation 0mm)	Highest Simultaneous Transmission 10g SAR (W/kg)
Licensed	GSM	GSM850	1.50	3.99
		GSM1900	3.16	
	CDMA	BC0	1.75	
		BC10	2.21	
		BC1	3.17	
	WCDMA	Band V	1.44	
		Band IV	2.99	
		Band II	2.97	
	LTE	Band 13	1.10	
		Band 14	1.10	
		Band 26/Band 5	1.75	
		Band 66/Band 4	3.16	
		Band 25/Band 2	3.17	
		Band 30	2.86	
		Band 7	3.17	
		Band 41/Band 38	**3.18**	
		Band 48	3.13	
	5G NR	n26/ n5	1.13	
		n66	3.15	
		n25/ n2	**3.18**	
		n30	3.10	
		n41	**3.18**	
		n77	3.16	
		n78	3.11	
DTS	WLAN	2.4GHz WLAN	1.62	3.99
NII		5GHz WLAN	**3.18**	3.98
Date of Testing:			2021/2/6 ~ 2021/3/21	

Remark:
1. This device supports both LTE B4/5/17/38/2 and B66/26/12/41/25. Since the supported frequency span for LTE B4/5/17/38/2 falls completely within the supports frequency span for LTE B66/26/12/41/25, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE B66/26/12/41/25.
2. This device supports both 5G NR n2/ n5 and 5G NR n25/ n26. Since the supported frequency span for 5G NR n2/ n5 falls completely within the supports frequency span for 5G NR n25/ n26, both NR bands have the same target power, and both NR bands share the same transmission path; therefore, SAR was only assessed for 5G NR n25/ n26.

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

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) 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.

2. Administration Data

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

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

Applicant	
Company Name	Motorola Mobility LLC
Address	222 W,Merchandise Mart Plaza,Chicago,IL60654 USA

Manufacturer	
Company Name	Motorola Mobility LLC
Address	222 W,Merchandise Mart Plaza,Chicago,IL60654 USA

3. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards:

- 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 616217 D04 SAR for laptop and tablets v01r02
- 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

4. Equipment Under Test (EUT) Information

4.1 General Information

Product Feature & Specification	
Equipment Name	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2131-1, XT2131-4, XT2131-3, XT2131DL
FCC ID	IHDT56ZL1
IMEI Code	356611280012628
Wireless Technology and Frequency Range	GSM850: 824 MHz ~ 849 MHz GSM1900: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz CDMA2000 BC0: 824 MHz ~ 849 MHz CDMA2000 BC1: 1850MHz ~ 1910MHz CDMA2000 BC10: 816 MHz ~ 824 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 n12 : 699 MHz ~ 716 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz 5G NR n78: 3700 MHz ~ 3800 MHz WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz WLAN 5.5GHz Band: 5500 MHz ~ 5700 MHz WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Mode	GSM/GPRS/EGPRS RMC/AMR 12.2Kbps HSDPA HSUPA DC-HSDPA HSPA+(16QAM uplink is not supported) CDMA2000 : 1xRTT/1xEv-Do(Rel.0)/1xEv-Do(Rev.A) LTE: QPSK, 16QAM, 64QAM 5G NR : CP-OFDM / DFT-s-OFDM, PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM WLAN 2.4GHz 802.11b/g/n HT20

	WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	DVT
SW Version	RRE31.37
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.
EUT Stage	Production Unit

Remark:

1. WLAN operation in 5600 MHz ~ 5650 MHz is notched
2. This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
3. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
4. This device 2.4GHz WLAN/5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz / 5.5GHz supports WiFi Direct (GC only).
5. This device does not support DTM operation and supports GPRS/EGPRS mode up to multi-slot class 12.
6. The device implements the power management and sensor detection for SAR compliance at different exposure conditions (head, body-worn, hotspot/extremity) and the Qualcomm smart transmit will manage to ensure the power level not exceeding the associated power table. Details about the power management decision and sensor detection are provided in the operational description.
7. LTE band 41, 5GNR n41 supports HPUE, HPUE power and SAR testing performed separately.
8. This device implements antenna tuning techniques for several WWAN (cellular) operating modes and frequencies for the purpose of improving antenna efficiency over a broad range of frequencies. Specifically, these techniques are employed in the WCDMA, CDMA and LTE modes. In this report SAR was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing. The detail descriptions of the antenna tuner and supplemental data for additional information on section18.
9. For 5G NR test, using FTM (Factory Test Mode) to perform SAR with default 100% transmission.
10. NSA and SA mode should perform SAR separately. For the maximum power of NSA mode is the same as SA total power level, so SA standalone total power level SAR can represent NSA mode SAR.
11. 5GNR NSA mode, the power level is the same as 5GNR SA mode, so 5GNR NSA mode and SA mode power table only show one time.
12. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show DFT-s-OFDM power table and chose DFT-s-OFDM to perform SAR testing.
13. For DFT-s-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for the CP-OFDM mode will not higher than DFT-s-OFDM mode, therefore, CP-OFDM measurement is unnecessary.
14. This device supports 5GNR FR1 bands as following table.

<5G NR>

Mode	Band	Duplex	SCS(KHz)	Bandwidths(BW)
NSA	n2	FDD	15	5, 10, 15, 20
	n5	FDD	15	5, 10, 15, 20
	n12	FDD	15	5, 10, 15
	n25	FDD	15	5, 10, 15, 20, 25, 30, 40
	n30	FDD	15	5, 10
	n66	FDD	15	5, 10, 15, 20,30, 40
	n71	FDD	15	5, 10, 15, 20
	n41	TDD	30	20, 30, 40, 50, 60, 80, 90, 100
	n77	TDD	30	20, 30, 40, 60, 80, 100
SA	n2	FDD	15	5, 10, 15, 20
	n5	FDD	15	5, 10, 15, 20
	n25	FDD	15	5, 10, 15, 20, 25, 30, 40
	n26	FDD	15	5, 10, 15, 20
	n66	FDD	15	5, 10, 15, 20,30, 40
	n71	FDD	15	5, 10, 15, 20
	n41	TDD	30	20, 30, 40, 50, 60, 80, 90, 100
	n77	TDD	30	20, 30, 40, 60, 80, 100
	n78	TDD	30	20, 30, 40, 50, 60, 70, 80, 90, 100

4.2 Maximum Tune-up Limit

General Note:

1. For each cellular band, the device has two WWAN Tx antennas, the antenna selection is based on the connection quality condition, and only one antenna will transmit at a time.
2. The device implements the power management and sensor detection for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity) by DSI and the Qualcomm Smart Transmit will manage to ensure the power level not exceeding the associated power table. Details about the power management decision and sensor detection are provided in the operational description.
3. Below table shows maximum tune up output power configured for this EUT for various transmit conditions (Device State Index DSI) by manufacturer, and the detail power measurement and tune-up limit refer to appendix E.

TX. freq.	Ant	DSI4	Head(DSI2)		Head(DSI2_Sim-Tx)		Body-worn(DSI3)		Body-worn(DSI3_Sim-Tx)		Hotspot(DSI3_Sim-Tx)		Handheld(DSI6)		Handheld(DSI6_Sim-Tx)	
		max. tune up limit	max. tune up limit	power standalone	max. tune up limit	power Sim-Tx	max. tune up limit	power standalone	max. tune up limit	power Sim-Tx	max. tune up limit	power reduction	max. tune up limit	power standalone	max. tune up limit	power Sim-Tx
		(dBm)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)
GSM850 GSM 1 Tx slot	8	33.50	33.50		33.50		33.50	0.00	33.50	0.00	33.50	0.00	33.50		33.50	
GSM850 GPRS 1 Tx slot	8	33.50	33.50		33.50		33.50	0.00	33.50	0.00	33.50	0.00	33.50		33.50	
GSM850 GPRS 2 Tx slots	8	32.50	32.50		32.50		30.90	1.60	30.90	1.60	30.90	1.60	32.50		32.50	
GSM850 GPRS 3 Tx slots	8	31.00	31.00		31.00		29.40	1.60	29.40	1.60	29.40	1.60	31.00		31.00	
GSM850 GPRS 4 Tx slots	8	29.50	29.50		29.50		27.90	1.60	27.90	1.60	27.90	1.60	29.50		29.50	
GSM850 EDGE 1 Tx slot	8	26.50	26.50		26.50		24.90	1.60	24.90	1.60	24.90	1.60	26.50		26.50	
GSM850 EDGE 2 Tx slots	8	25.00	25.00		25.00		23.40	1.60	23.40	1.60	23.40	1.60	25.00		25.00	
GSM850 EDGE 3 Tx slots	8	23.00	23.00		23.00		21.40	1.60	21.40	1.60	21.40	1.60	23.00		23.00	
GSM850 EDGE 4 Tx slots	8	21.00	21.00		21.00		19.40	1.60	19.40	1.60	19.40	1.60	21.00		21.00	
GSM1900 GSM 1 Tx slot	1	30.50	30.50		30.50		28.70	1.80	27.80	2.70	27.80	2.70	30.50		30.50	
GSM1900 GPRS 1 Tx slot	1	30.50	30.50		30.50		28.70	1.80	27.80	2.70	27.80	2.70	30.50		30.50	
GSM1900 GPRS 2 Tx slots	1	29.50	29.50		29.50		25.70	3.80	24.80	4.70	24.80	4.70	27.60	1.90	27.60	1.90
GSM1900 GPRS 3 Tx slots	1	28.00	28.00		28.00		24.20	3.80	23.30	4.70	23.30	4.70	27.10	0.90	27.10	0.90
GSM1900 GPRS 4 Tx slots	1	26.50	26.50		26.50		22.70	3.80	21.80	4.70	21.80	4.70	25.60	0.90	25.60	0.90
GSM1900 EDGE 1 Tx slot	1	26.50	26.50		26.50		26.50		26.50	0.00	26.50	0.00	26.50		26.50	
GSM1900 EDGE 2 Tx slots	1	25.50	25.50		25.50		25.50		24.50	1.00	24.50	1.00	25.50		25.50	
GSM1900 EDGE 3 Tx slots	1	24.00	24.00		24.00		24.00		22.50	1.50	22.50	1.50	24.00		24.00	
GSM1900 EDGE 4 Tx slots	1	22.50	22.50		22.50		22.50		21.00	1.50	21.00	1.50	22.50		22.50	
CDMA BC0	8	25.00	25.00		25.00		22.60	2.40	22.00	3.00	22.00	3.00	25.00		25.00	
CDMA BC1	1	25.00	25.00		25.00		18.30	6.70	16.40	8.60	16.40	8.60	20.90	4.10	20.90	4.10
CDMA BC10	8	25.00	25.00		25.00		23.00	2.00	22.70	2.30	22.70	2.30	25.00		25.00	
WCDMA II	1	24.00	24.00		24.00		17.40	6.60	15.40	8.60	15.40	8.60	20.50	3.50	20.50	3.50
WCDMA IV	1	24.00	24.00		24.00		18.70	5.30	16.90	7.10	16.90	7.10	20.00	4.00	20.00	4.00
WCDMA V	8	24.00	24.00		24.00		22.50	1.50	22.50	1.50	22.50	1.50	24.00		24.00	
LTE Band 2/25	1	24.00	24.00		24.00		17.90	6.10	16.30	7.70	16.30	7.70	19.60	4.40	19.60	4.40
LTE Band 2/25	2	24.00	16.80	7.20	16.00	8.00	17.80	6.20	13.60	10.40	13.60	10.40	21.70	2.30	19.20	4.80
LTE Band 4/66	1	24.00	24.00		24.00		18.80	5.20	17.70	6.30	17.70	6.30	20.80	3.20	20.80	3.20
LTE Band 4/66	2	24.00	17.90	6.10	16.60	7.40	18.40	5.60	15.60	8.40	15.60	8.40	22.60	1.40	20.10	3.90
LTE Band 5/26	8	24.00	24.00		24.00		21.60	2.40	21.60	2.40	21.60	2.40	24.00		24.00	
LTE Band 5/26	2	24.00	21.30	2.70	20.50	3.50	24.00		21.70	2.30	21.70	2.30	24.00		24.00	
LTE Band 7	1	24.00	24.00		24.00		17.60	6.40	15.50	8.50	15.50	8.50	22.00	2.00	22.00	2.00
LTE Band 12/17	8	24.00	24.00		24.00		24.00		24.00		24.00		24.00		24.00	
LTE Band 12/17	2	24.00	23.30	0.70	22.50	1.50	24.00		23.10	0.90	23.10	0.90	24.00		24.00	
LTE Band 13	8	24.00	24.00		24.00		22.20	1.80	22.20	1.80	22.20	1.80	24.00		24.00	
LTE Band 13	2	24.00	22.80	1.20	22.00	2.00	24.00		24.00	0.00	24.00	0.00	24.00		24.00	
LTE Band 14	8	24.00	24.00		24.00		21.50	2.50	21.50	2.50	21.50	2.50	24.00		24.00	
LTE Band 14	2	24.00	23.20	0.80	22.40	1.60	24.00		22.60	1.40	22.60	1.40	24.00		24.00	
LTE Band 30	1	24.00	24.00		24.00		19.70	4.30	18.10	5.90	18.10	5.90	21.90	2.10	21.90	2.10

LTE Band 30	2	24.00	17.30	6.70	16.50	7.50	16.50	7.50	13.60	10.40	13.60	10.40	22.50	1.50	20.00	4.00
LTE Band 71	8	24.00	24.00		24.00		24.00		24.00		24.00		24.00		24.00	
LTE Band 71	2	24.00	22.80	1.20	21.50	2.50	24.00		24.00		24.00		24.00		24.00	
LTE Band 38/41	1	24.00	24.00		24.00		20.00	4.00	18.30	5.70	18.30	5.70	24.00		24.00	
LTE Band 41-HPUE	1	27.00	27.00		27.00		21.60	5.40	19.90	7.10	19.90	7.10	25.60	1.40	25.60	1.40
LTE Band 48	4	24.00	24.00		24.00		16.90	7.10	14.50	9.50	14.50	9.50	22.20	1.80	19.70	4.30
N2/N25	1	24.00	24.00		24.00		18.80	5.20	17.10	6.90	17.10	6.90	20.50	3.50	20.50	3.50
N2/N25	2	24.00	15.70	8.30	14.40	9.60	17.10	6.90	14.40	9.60	14.40	9.60	21.70	2.30	19.20	4.80
N5/N26	8	24.00	24.00		24.00		22.90	1.10	22.90	1.10	22.90	1.10	24.00		24.00	
N5/N26	2	24.00	23.30	0.70	22.50	1.50	24.00		21.70	2.30	21.70	2.30	24.00		24.00	
N12	2	24.00	24.00		23.50	0.50	24.00		24.00		24.00		24.00		24.00	
N30	1	24.00	24.00		24.00		19.90	4.10	18.70	5.30	18.70	5.30	23.30	0.70	23.30	0.70
N30	2	24.00	17.50	6.50	16.70	7.30	18.40	5.60	15.00	9.00	15.00	9.00	23.50	0.50	21.00	3.00
N66	1	24.00	24.00		24.00		17.10	6.90	16.50	7.50	16.50	7.50	19.80	4.20	19.80	4.20
N66	2	24.00	16.10	7.90	15.30	8.70	16.90	7.10	15.00	9.00	15.00	9.00	21.50	2.50	19.00	5.00
N71	8	24.00	24.00		24.00		24.00		24.00		24.00		24.00		24.00	
N71	2	24.00	24.00		24.00		24.00		24.00		24.00		24.00		24.00	
N41	1	24.00	24.00		24.00		18.00	6.00	16.40	7.60	16.40	7.60	22.50	1.50	22.50	1.50
N41-HPUE	1	27.00	27.00		27.00		18.00	9.00	16.40	10.60	16.40	10.60	22.50	4.50	22.50	4.50
N77	4	24.00	24.00		24.00		13.30	10.70	11.00	13.00	11.00	13.00	18.80	5.20	16.30	7.70
N78	4	24.00	24.00		24.00		13.70	10.30	11.30	12.70	11.30	12.70	18.70	5.30	16.20	7.80

TX. freq.	Full power	Head		Head Sim-Tx		Body-worn		Body-worn Sim-Tx		Hotspot		Hotspot Sim-Tx		Handheld		Handheld Sim-Tx	
	max.	max.	power	max.	power	max.	power	max.	power	max.	power	max.	power	max.	power	max.	power
	tune up limit	tune up limit	standal one	tune up limit	Reduced_ Sim-Tx	tune up limit	standalo ne	tune up limit	Reduced_ Sim-Tx	tune up limit	standal one	tune up limit	Reduced_ Sim-Tx	tune up limit	standal one	tune up limit	Reduced_ Sim-Tx
	(dBm)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)
WLAN2.4GHz	22.00	20.50	1.50	16.00	6.00	21.00	1.00	19.00	3.00	21.00	1.00	19.00	3.00	22.00		22.00	0.00
WLAN5.2GHz	20.00	20.00		20.00		11.00	9.00	7.50	12.50	11.00	9.00	7.50	12.50	17.50	2.50	15.50	4.50
WLAN5.3GHz	20.00	20.00		20.00		10.00	10.00	7.50	12.50					18.00	2.00	15.50	4.50
WLAN5.5GHz	19.00	19.00		19.00		11.00	8.00	8.00	11.00					17.00	2.00	15.50	3.50
WLAN5.8GHz	20.00	20.00		20.00		12.00	8.00	10.00	10.00	12.00	8.00	10.00	10.00	19.50	0.50	17.50	2.50
BT	12.00	12.00		12.00		12.00		12.00		12.00		12.00		12.00		12.00	

4.3 General LTE SAR Test and Reporting Considerations

<table>
<tr><th colspan="2">Summarized necessary items addressed in KDB 941225 D05 v02r05</th></tr>
<tr><td>FCC ID</td><td>IHDT56ZL1</td></tr>
<tr><td>Equipment Name</td><td>Mobile Cellular Phone</td></tr>
<tr><td>Operating Frequency Range of each LTE transmission band</td><td>LTE Band 2: 1850 MHz ~ 1910 MHz
LTE Band 4: 1710 MHz ~ 1755 MHz
LTE Band 5: 824 MHz ~ 849 MHz
LTE Band 7: 2500 MHz ~ 2570 MHz
LTE Band 12: 699 MHz ~ 716 MHz
LTE Band 13: 777 MHz ~ 787 MHz
LTE Band 14: 788 MHz ~ 798 MHz
LTE Band 17: 704 MHz ~ 716 MHz
LTE Band 25: 1850 MHz ~ 1915 MHz
LTE Band 26: 814 MHz ~ 849 MHz
LTE Band 30: 2305 MHz ~ 2315 MHz
LTE Band 38: 2570 MHz ~ 2620 MHz
LTE Band 41: 2496 MHz ~ 2690 MHz
LTE Band 48: 3550 MHz ~ 3700 MHz
LTE Band 66: 1710 MHz ~ 1780 MHz
LTE Band 71: 663 MHz ~ 698 MHz</td></tr>
<tr><td>Channel Bandwidth</td><td>LTE Band 2:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 4:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 5:1.4MHz, 3MHz, 5MHz, 10MHz
LTE Band 7: 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 12:1.4MHz, 3MHz, 5MHz, 10MHz
LTE Band 13: 5MHz, 10MHz
LTE Band 14: 5MHz, 10MHz
LTE Band 17: 5MHz, 10MHz
LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 26:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
LTE Band 30: 5MHz, 10MHz
LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz</td></tr>
<tr><td>uplink modulations used</td><td>QPSK / 16QAM / 64QAM</td></tr>
<tr><td>LTE Voice / Data requirements</td><td>Voice and Data</td></tr>
<tr><td>LTE Release Version</td><td>R15, Cat12</td></tr>
<tr><td>CA Support</td><td>Supported, Uplink and Downlink</td></tr>
<tr><td>LTE MPR permanently built-in by design</td><td>Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3
<table>
<tr><th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th><th rowspan="2">MPR (dB)</th></tr>
<tr><th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr>
<tr><td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr>
<tr><td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr>
<tr><td>16 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr>
<tr><td>64 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 2</td></tr>
<tr><td>64 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 3</td></tr>
<tr><td>256 QAM</td><td colspan="6">≥ 1</td><td>≤ 5</td></tr>
</table></td></tr>
<tr><td>LTE A-MPR</td><td>In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI)</td></tr>
<tr><td>Spectrum plots for RB configuration</td><td>A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.</td></tr>
<tr><td>Power reduction applied to satisfy SAR compliance</td><td>Yes
The device has several different power modes for body-worn, hotspot/extremity conditions SAR compliance; power selection is determined by the device's positioning and usage scenarios.</td></tr>
<tr><td>LTE Carrier Aggregation Combinations</td><td>Intra/Inter Band possible combinations and the detail power verification please referred to section 14.</td></tr>
<tr><td>LTE Carrier Aggregation Additional Information</td><td>1. This device supports LTE Carrier Aggregation (CA) in the uplink for Inter band and Intra band with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per FCC Guidance.</td></tr>
</table>

	2. This device supports maximum of 3 carriers in the downlink and 2 carriers in the uplink. Additional following LTE Release features are not supported: Relay, HetNet, Enhanced MIMO, eICI, WiFi Offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA.

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

LTE Band 2

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

LTE Band 4

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

LTE Band 5

	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20407	824.7	20415	825.5	20425	826.5	20450	829
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5
H	20643	848.3	20635	847.5	20625	846.5	20600	844

LTE Band 7

	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20775	2502.5	20800	2505	20825	2507.5	20850	2510
M	21100	2535	21100	2535	21100	2535	21100	2535
H	21425	2567.5	21400	2565	21375	2562.5	21350	2560

LTE Band 12

	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	23017	699.7	23025	700.5	23035	701.5	23060	704
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5
H	23173	715.3	23165	714.5	23155	713.5	23130	711

LTE Band 13

	Bandwidth 5 MHz		Bandwidth 10 MHz	
	Channel #	Freq.(MHz)	Channel #	Freq.(MHz)
L	23205	779.5	23230	782
M	23230	782		
H	23255	784.5		

LTE Band 14

	Bandwidth 5 MHz		Bandwidth 10 MHz	
	Channel #	Channel #	Channel #	Freq.(MHz)
L	23305	790.5	23330	793
M	23330	793		
H	23355	795.5		

LTE Band 17

	Bandwidth 5 MHz		Bandwidth 10 MHz	
	Channel #	Freq.(MHz)	Channel #	Freq. (MHz)
L	23755	706.5	23780	709
M	23790	710	23790	710
H	23825	713.5	23800	711

LTE Band 25												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26047	1850.7	26055	1851.5	26065	1852.5	26090	1855	26115	1857.5	26140	1860
M	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880
H	26683	1914.3	26675	1913.5	26665	1912.5	26640	1910	26615	1907.5	26590	1905

LTE Band 26										
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26697	814.7	26705	815.5	26715	816.5	26740	819	26765	821.5
M	26865	831.5	26865	831.5	26865	831.5	26865	831.5	26865	831.5
H	27033	848.3	27025	847.5	27015	846.5	26990	844	26965	841.5

LTE Band 30				
	Bandwidth 5 MHz		Bandwidth 10 MHz	
	Channel #	Freq.(MHz)	Channel #	Freq.(MHz)
L	27685	2307.5	27710	2310
M	27710	2310		
H	27735	2312.5		

LTE Band 38								
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	37775	2572.5	37800	2575	37825	2577.5	37850	2580
M	38000	2595	38000	2595	38000	2595	38000	2595
H	38225	2617.5	38200	2615	38175	2612.5	38150	2610

LTE Band 41								
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	39675	2498.5	39700	2501	39725	2503.5	39750	2506
LM	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5
M	40620	2593	40620	2593	40620	2593	40620	2593
HM	41093	2640.3	41080	2639	41068	2637.8	41055	2636.5
H	41565	2687.5	41540	2685	41515	2682.5	41490	2680

LTE Band 48								
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560
LM	55810	3607	55815	3607.5	55820	3608	55830	3609
MH	56170	3643	56165	3642.5	56160	3642	56150	3641
H	56715	3697.5	56690	3695	56665	3692.5	56640	3690

LTE Band 66												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	131979	1710.7	131987	1711.5	131997	1712.5	132022	1715	132047	1717.5	132072	1720
M	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745
H	132665	1779.3	132657	1778.5	132647	1777.5	132622	1775	132597	1772.5	132572	1770

LTE Band 71								
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	133147	665.5	133172	668	133197	670.5	133222	673
M	133297	680.5	133297	680.5	133297	680.5	133297	680.5
H	133447	695.5	133422	693	133397	690.5	133372	688

5G NR Information	
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 n12: 699 MHz ~ 716 MHz 5G NR n25: 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66: 1710 MHz ~ 1780 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz 5G NR n78: 3700 MHz ~ 3800 MHz
Channel Bandwidth	5G NR n2: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n5: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n12: 5MHz, 10MHz, 15MHz 5G NR n25 : 5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz 5G NR n26: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n30: 5MHz, 10MHz 5G NR n41: 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 80MHz, 90MHz, 100MHz 5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 30MHz, 40MHz 5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz 5G NR n77: 20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz 5G NR n78: 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
SCS	FDD: SCS15KHz, TDD: SCS30KHz
uplink modulations used	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM QPSK / 16QAM / 64QAM / 256QAM
A-MPR (Additional MPR) disabled for SAR Testing?	Yes
LTE Anchor Bands for n2	LTE B2/5/12/13/14/30/48/66
LTE Anchor Bands for n5	LTE B2/5/30/48/66
LTE Anchor Bands for n12	LTE B2/66
LTE Anchor Bands for n25	LTE B2/12/48/66
LTE Anchor Bands for n30	LTE B2/5/12/14/66
LTE Anchor Bands for n41	LTE B2/25/66
LTE Anchor Bands for n66	LTE B2/5/12/13/14/30/48/66
LTE Anchor Bands for n71	LTE B2/66/71
LTE Anchor Bands for n77	LTE B2/5/13/14/66

Transmission (H, M, L) channel numbers and frequencies in each 5G NR band

NR Band 2

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

NR Band 5

	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	165300	826.5	165800	829	166300	831.5	166800	834
M	167300	836.5	167300	836.5	167300	836.5	167300	836.5
H	169300	846.5	168800	844	168300	841.5	167800	839

NR Band 12

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

NR Band 25

	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372000	1860	373000	1865	374000	1870
M	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5
H	382500	1912.5	382000	1910	381500	1907.5	381000	1905	381000	1905	380000	1900	37900	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		
M	462000	2310	462000	2310
H	462500	2312.5		

NR Band 41																
	Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	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	501204	2506.02	502200	2511	503202	2516.01	504204	2521.02	505200	2526	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
H	535998	2679.99	534996	2674.98	534000	2670	532998	2664.99	531996	2659.98	529998	2649.99	528996	2644.98	528000	2640

NR Band 66												
	Bandwidth 5MHz		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)	Ch. #	Freq. (MHz)
L	342500	1712.5	343000	1715	343500	1717.5	344000	1720	345000	1725	346000	1730
M	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745
H	355500	1777.5	355000	1775	354500	1772.5	354000	1770	353000	1765	352000	1760

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

NR Band 77												
	Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 60MHz		Bandwidth 80MHz		Bandwidth 100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647334	3710.01	647668	664334	648000	3720	648668	3730.02	649334	3740.01	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	664668	3970.02	3715.02	3965.01	664000	3960	663334	3950.01	662668	3940.02	662000	3930

NR Band 78																
	Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	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	647334	3710.01	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02		
M	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750
H	652668	3790.02	652334	3785.01	652000	3780	651668	3775.02	651334	3770.01	651000	3765	650668	3760.02	650334	3755.01		

5. Smart Transmit feature for RF Exposure compliance

The FCC RF exposure limit is defined based on time-averaged RF exposure. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmitting power for WWAN transmitter to ensure the product in compliance with FCC RF exposure limit over a defined time window, for SAR (transmit frequency ≤ 6GHz). To control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is compliant to the regulation requirement.

This report describes the procedures for the SAR char generation, and the parameters obtained from SAR characterization (referred to as SAR char, respectively) will be used as input for Smart Transmit. SAR char will be entered via the Embedded File System (EFS) to enable the Smart Transmit Feature.

<Terminologies in this report>

P_{limit}	The time-averaged RF power which corresponds to SAR_design_target.
P_{max}	Maximum target power level
SAR_design_target:	The design target for SAR compliance. It should be less than regulatory SAR limit to account for all device design related uncertainties.
SAR char	P_{limit} for all the technologies/bands for all applicable DSI

<SAR Characterization>

SAR char must be generated to cover all radio configurations and usage scenarios that the wireless device supports for operating at 6 GHz or below. It will then be used as input for Smart Transmit to control and manage RF exposure for f < 6 GHz.

<SAR design target and uncertainty>

	Uncertainty dB (k=2)
Sub6 radio TxAGC	1.0
Device to device variation	1.2
Total uncertainty	1.5

To account for total uncertainty, SAR_design_target should be determined as:

$$SAR\_design\_target < SAR_{regulatory\_limit} \times 10^{\frac{-total\ uncertainty}{10}}$$

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target, below the predefined time-averaged power limit, for each characterized technology and band.

Smart Transmit allows the device to transmit at higher power instantaneously, as high as Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit. Below table shows Plimit EFS settings and maximum tune up output power Pmax configured for this EUT for various transmit conditions (Device State Index DSI).

<P_{limit} for supported technologies and bands (P_{limit} in EFS file)>

Band	Antenna	Head	WIFI/BT Back off Head Sim-2Tx(WLAN 2.4G or WLAN 5G)	Body-Worn	WIFI/BT Back off Body Worn Sim-2Tx(WLAN 2.4G or WLAN 5G)/Hotspot on	Extremity	WIFI/BT Back off Extremity Sim-2Tx(WLAN 2.4G or WLAN 5G)	Sensor off	Pmax*
		(DSI:2)	(DSI:2)	(DSI:3)	(DSI:3)	(DSI:6)	(DSI:6)	(DSI:4)	
GSM850(3 Tx slots)**	8	32.3	32.3	24.1	24.1	28.8	28.8	25.7	25.7
GSM1900(3 Tx slots)**	1	36.1	36.1	18.9	18.0	21.8	20.8	22.7	22.7
WCDMA II	1	33.3	33.3	16.4	14.4	19.5	19.5	23.0	23.0
WCDMA IV	1	32.8	32.8	17.7	15.9	19.0	19.0	23.0	23.0
WCDMA V	8	30.1	30.1	21.5	21.5	30.1	30.1	23.0	23.0
CDMA BC0	8	31.5	31.5	21.6	21.0	26.6	26.6	24.0	24.0
CDMA BC1	1	34.3	34.3	17.3	15.4	19.9	19.9	24.0	24.0
CDMA BC10	8	33.4	33.4	22.0	21.7	25.6	25.6	24.0	24.0
LTE B12	2	22.3	21.5	24.7	22.1	23	23	23.0	23.0
LTE B17	2	22.3	21.5	24.7	22.1	23	23	23.0	23.0
LTE B12/B17	8	33.6	33.6	24.1	24.1	23	23	23.0	23.0
LTE B13	2	21.8	21	26.8	23.7	23	23	23.0	23.0
LTE B13	8	30.7	30.7	21.2	21.2	23	23	23.0	23.0
LTE B14	2	22.2	21.4	24.7	21.6	23	23	23.0	23.0
LTE B14	8	30.6	30.6	20.5	20.5	25	25	23.0	23.0
LTE B5	2	20.3	19.5	23.8	20.7	23	23	23.0	23.0
LTE B26	2	20.3	19.5	23.8	20.7	23	23	23.0	23.0
LTE B26/5	8	33	33	20.6	20.6	25.6	25.6	23.0	23.0
LTE B66/4	2	16.9	15.6	17.4	14.6	21.6	19.1	23.0	23.0
LTE B66/4	1	32.7	32.7	17.8	16.7	19.8	19.8	23.0	23.0
LTE B25/2	2	15.8	15	16.8	12.6	20.7	18.2	23.0	23.0
LTE B25/2	1	32.6	32.6	16.9	15.3	18.6	18.6	23.0	23.0
LTE B30	2	16.3	15.5	15.5	12.6	21.5	19	23.0	23.0
LTE B30	1	37.2	37.2	18.7	17.1	20.9	20.9	23.0	23.0
LTE B7	1	34.3	34.3	16.6	14.5	21.0	21	23.0	23.0
LTE B38	1	35.2	35.2	17.0	15.3	21	21	21.0	21.0
LTE B41(PC3)**	1	35.2	35.2	17	15.3	21.0	21.0	21.0	21.0
LTE B41 (PC2)**				17	15.3	21.0	21.0	22.4	22.4
LTE B48**	4	25.4	24.6	13.9	11.5	19.2	16.7	21.0	21.0
LTE B71	2	21.8	20.5	26.5	23	23.0	23.0	23.0	23.0
LTE B71	8	34.6	34.6	24.7	24.7	23.0	23.0	23.0	23.0
NR_n71	2	23.7	23	25.8	23.9	23.0	23.0	23.0	23.0
NR_n71	8	35.4	35.4	24.8	24.8	23.0	23.0	23.0	23.0
NR_n12	2	23.5	22.5	26.3	23.3	23.0	23.0	23.0	23.0
NR_n26/n5	2	22.3	21.5	24.9	20.7	23.0	23.0	23.0	23.0
NR_n26/n5	8	33.3	33.3	21.9	21.9	27.5	27.5	23.0	23.0
NR_n66	2	15.1	14.3	15.9	14.0	20.5	18	23.0	23.0
NR_n66	1	34.5	34.5	16.1	15.5	18.8	18.8	23.0	23.0
NR_n25/n2	2	14.7	13.4	16.1	13.4	20.7	18.2	23.0	23.0
NR_n25/n2	1	36	36	17.8	16.1	19.5	19.5	23.0	23.0
NR_n30	2	16.5	15.7	17.4	14.0	22.5	20	23.0	23.0
NR_n30	1	38.6	38.6	18.9	17.7	22.3	22.3	23.0	23.0
NR_n41(PC3)	1	34.6	34.6	17.0	15.4	21.5	21.5	26.0	23.0
NR_n41(PC2)	1								26.0

NR_n77	4	24.5	23.7	12.3	10.0	17.8	15.3	23.0	23.0
NR_n78	4	24.6	23.8	12.7	10.3	17.7	15.2	23.0	23.0

*P_{max} is used for RF tune up procedure. The maximum allowed output power is equal to Pmax + 1dB uncertainty.

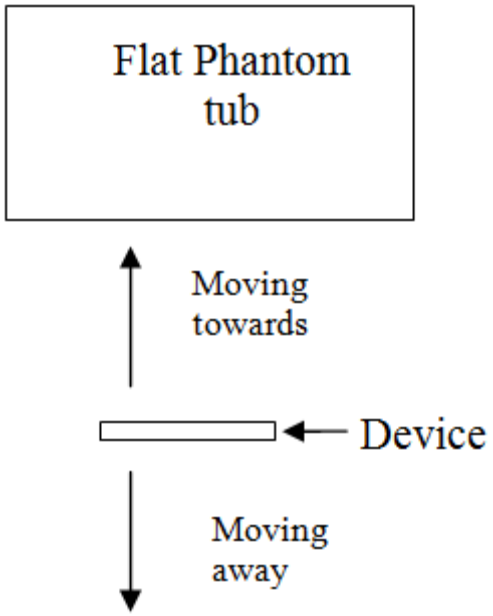
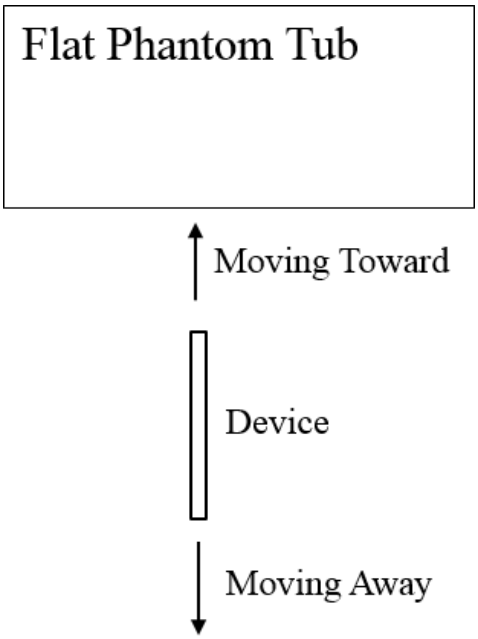
**All P_{limit} power levels entered in the Table correspond to average power levels after accounting for duty cycle in the case TDD modulation schemes (for e.g., GSM & LTE TDD).

The max allowed output power is the P_{limit} + 1dB device uncertainty, and if P_{limit} is higher than P_{max}, the device output power will be P_{max} instead.

6. Proximity Sensor Triggering Test

6.1 Proximity sensor triggering distances(Per KDB616217§6.2)

1. Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 616217 D04 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed.
2. In the preliminary triggering distance testing, the tissue-equivalent medium for different frequency bands were used for verification; no other frequency bands tissue-equivalent medium was found to result in shortest triggering distance than that for 1900MHz, and the tissue-equivalent medium for 1900MHz was used for formal proximity sensor triggering testing.
3. Capacitive proximity sensor placed coincident with antenna elements at the bottom end of the phone are utilized to determine when the device comes in proximity of the user's body at the front or back or bottom side surface of the device. There is no need to do sensor coverage testing for the proximity sensor is designed to support sufficient detection range and sensitivity to cover regions of the sensors in all applicable directions since the proximity sensor entirely covers the antenna.
4. When the proximity sensor is active, GSM850/1900, WCDMA band II/IV/V, CDMA BC0/1/10, LTE band 2/4/5/7/12/13/14/17/25/26/30/66/38/41/48, 5GNR n2/n5/n25/n26/n30/n66/n41/n77/n78 and WLAN2.4GHz / WLAN5.2GHz / 5.3GHz / 5.5GHz / 5.8GHz reduced power will be active for front or back body worn SAR.
5. P-sensor can detect handheld state, GSM1900, WCDMA band II/IV, CDMA BC1, LTE band 2/4/7/25/30/66/41 HPUE/48, 5GNR n2 /n25 /n30/n66/n41/n77/n78 and WLAN2.4GHz / WLAN5.2GHz / 5.3GHz / 5.5GHz / 5.8GHz for front/back/bottom/top sides of product specific 10g SAR condition reduced powers will be active for handheld SAR.
6. The proximity sensors used to detect the proximity of the user's body at the front or back or bottom side surface of the device use a detection threshold distance. The data shown in the sections below shows the distance(s).
7. For verification of compliance of power reduction scheme, additional SAR testing with EUT transmitting at full RF power at a conservative trigger distance was performed for body worn:
   Front: 21 mm
   Back: 28mm
8. For verification of compliance of power reduction scheme, additional SAR testing with EUT transmitting at full RF power at a conservative trigger distance was performed for handheld:
   ANT1:
   Front: 8 mm
   Back: 12mm
   Bottom side: 12 mm
   ANT2:
   Front: 9 mm
   Back: 11mm
   Top side: 12 mm
   ANT4:
   Back: 6mm
   WLAN ANT5:
   Back: 8 mm

	
Sensor/handheld detection test set-up, front and back faces	handheld detection test set-up, bottom and top side

<P-Sensor>

Proximity Sensor Triggering Distance (mm)				
Position	Front		Back	
	Moving towards	Moving away	Moving towards	Moving away
Minimum	22	24	29	30

<Handheld -- ANT1>

Position	Front		Back		Bottom Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	9	11	13	14	13	15

<Handheld – ANT2>

Position	Front		Back		Top Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	10	12	12	14	13	15

<Handheld – ANT4>

Position	Back	
	Moving towards	Moving away
Minimum	7	9

<Handheld -- WLAN ANT5>

Proximity Sensor Triggering Distance (mm)		
Position	Back	
	Moving towards	Moving away
Minimum	9	10

7. RF Exposure Limits

7.1 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.

7.2 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

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.

8. Specific Absorption Rate (SAR)

8.1 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.

8.2 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:

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

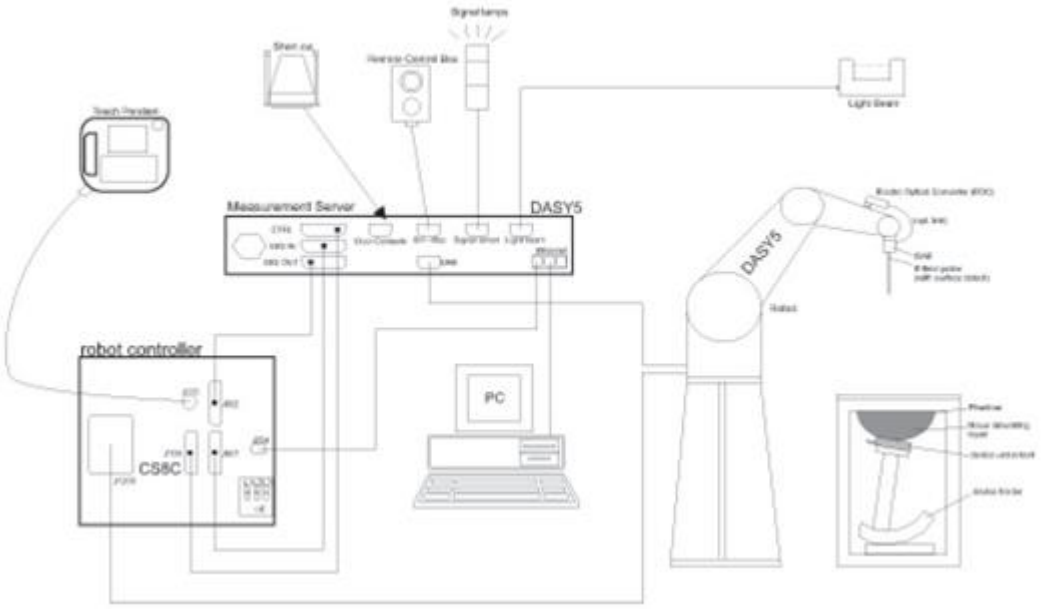
SAR is expressed in units of Watts per kilogram (W/kg)

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

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

9. System Description and Setup

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



- 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 WinXP or Win7 and the DASY5 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.

9.1 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.

<EX3DV4 Probe>

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

9.2 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.

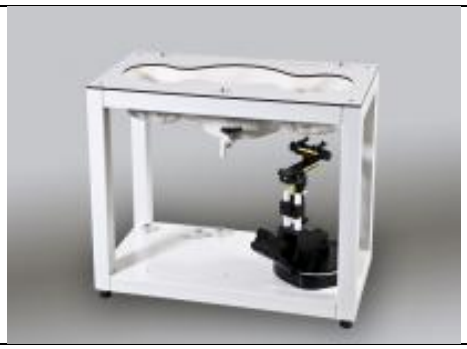
The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

Photo of DAE

9.3 Phantom

<SAM Twin Phantom>

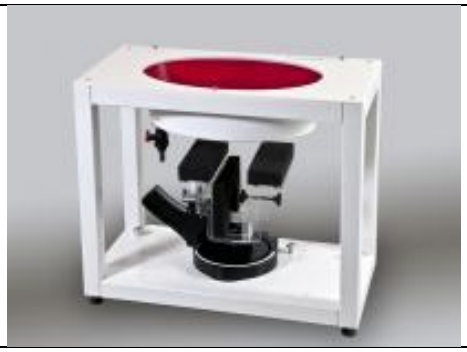
Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet
Measurement Areas	Left Hand, Right Hand, Flat Phantom



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.

9.4 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

10. Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

(a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
(b) Read the WWAN RF power level from the base station simulator.
(c) For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band
(d) Connect EUT RF port through RF cable to the power meter, and measure WLAN/BT output power

<SAR measurement>

(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

10.1 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

10.2 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.

10.3 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.	

10.4 Zoom Scan

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

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

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

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

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

10.5 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.

10.6 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.

11. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	1099	Dec. 06, 2018	Nov. 24, 2021
SPEAG	835MHz System Validation Kit	D835V2	4d162	Dec. 05, 2018	Nov. 24, 2021
SPEAG	1750MHz System Validation Kit	D1750V2	1137	Jul. 30, 2018	Jul. 22, 2021
SPEAG	1900MHz System Validation Kit	D1900V2	5d182	Dec. 07, 2018	Nov. 24, 2021
SPEAG	2300MHz System Validation Kit	D2300V2	1056	Nov. 01, 2018	Oct. 31, 2021
SPEAG	2450MHz System Validation Kit	D2450V2	924	Sep. 02, 2020	Sep. 01, 2021
SPEAG	2600MHz System Validation Kit	D2600V2	1070	Dec. 07, 2018	Nov. 24, 2021
SPEAG	3500MHz System Validation Kit	D3500V2	1076	Apr. 29, 2019	Apr. 28, 2022
SPEAG	3700MHz System Validation Kit	D3700V2	1037	Apr. 29, 2019	Apr. 28, 2022
SPEAG	3900MHz System Validation Kit	D3900V2	1022	Jul. 11, 2019	Jul. 10, 2022
SPEAG	5000MHz System Validation Kit	D5GHzV2	1167	Aug. 03, 2018	Aug. 02, 2021
SPEAG	Data Acquisition Electronics	DAE4	1210	Jul. 27, 2020	Jul. 26, 2021
SPEAG	Data Acquisition Electronics	DAE3	918	Jun. 22, 2020	Jun. 21, 2021
SPEAG	Dosimetric E-Field Probe	EX3DV4	3819	Apr. 30, 2020	Apr. 29, 2021
SPEAG	Dosimetric E-Field Probe	EX3DV4	3826	May 20, 2020	May 19, 2021
SPEAG	SAM Twin Phantom	QD 000 P40 CD	TP-1671	NCR	NCR
SPEAG	SAM Twin Phantom	QD000P40CC	TP-1500	NCR	NCR
SPEAG	Phone Positioner	N/A	N/A	NCR	NCR
Anritsu	Radio communication analyzer	MT8820C	6201300653	Jul. 21, 2020	Jul. 20, 2021
Anritsu	Radio communication analyzer	MT8820C	6201341952	Dec. 25, 2020	Dec. 24, 2021
Anritsu	Radio communication analyzer	MT8821C	6201588577	Mar. 26, 2020	Mar. 25, 2021
Agilent	Wireless Communication Test Set	E5515C	MY50267224	Jul. 21, 2020	Jul. 20, 2021
Agilent	Network Analyzer	E5071C	MY46523671	Oct. 15, 2020	Oct. 14, 2021
Speag	Dielectric Assessment KIT	DAK-3.5	1144	Dec. 02, 2020	Dec. 01, 2021
Agilent	Signal Generator	N5181A	MY50145381	Dec. 25, 2020	Dec. 24, 2021
Anritsu	Power Senor	MA2411B	1306099	Dec. 25, 2020	Dec. 24, 2021
Anritsu	Power Meter	ML2495A	1349001	Jul. 21, 2020	Jul. 20, 2021
Anritsu	Power Sensor	MA2411B	1207253	Dec. 25, 2020	Dec. 24, 2021
Anritsu	Power Meter	ML2495A	1218010	Dec. 25, 2020	Dec. 24, 2021
R&S	CBT BLUETOOTH TESTER	CBT	100963	Dec. 25, 2020	Dec. 24, 2021
R&S	Spectrum Analyzer	FSP7	100818	Jul. 21, 2020	Jul. 20, 2021
TES	Hygrometer	1310	200505600	Jul. 30, 2020	Jul. 29, 2021
Anymetre	Thermo-Hygrometer	JR593	2015030904	Jul. 21, 2020	Jul. 20, 2021
Anymetre	Thermo-Hygrometer	JR593	2015030903	Jan. 05, 2021	Jan. 04, 2022
AR	Amplifier	5S1G4	0333096	Note 1	
mini-circuits	Amplifier	ZVE-3W-83+	599201528	Note 1	
ARRA	Power Divider	A3200-2	N/A	Note 1	
PASTERNACK	Dual Directional Coupler	PE2214-10	N/A	Note 1	
ET Industries	Dual Directional Coupler	C-058-10	N/A	Note 1	
MCL	Attenuator 1	BW-S10W5	N/A	Note 1	
Weinschel	Attenuator 2	3M-20	N/A	Note 1	
Weinschel	Attenuator 3	MVE2214-03	N/A	Note 1	

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
2. Referring to KDB 865664 D01v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval.
3. The justification data of dipole can be found in appendix C. The return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration.

12. System Verification

12.1 Tissue Simulating Liquids

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 11.1. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 11.2.

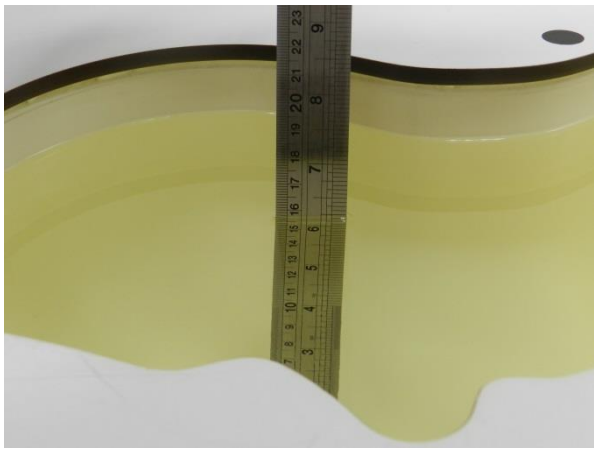


Fig 11.1 Photo of Liquid Height for Head SAR

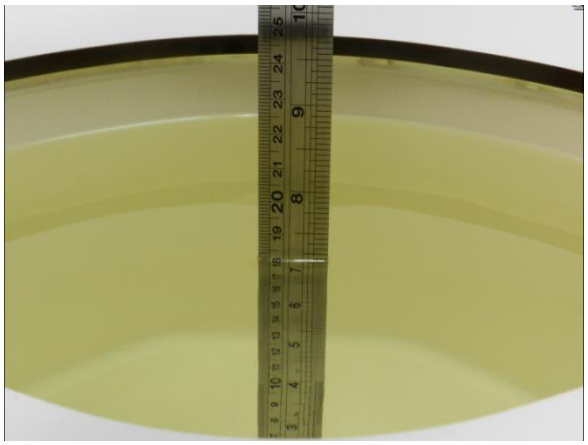


Fig 11.2 Photo of Liquid Height for Body SAR

12.2 Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity (σ)	Permittivity (εr)
For Head								
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.40	40.0
2450	55.0	0	0	0	0	45.0	1.80	39.2
2600	54.8	0	0	0.1	0	45.1	1.96	39.0

Simulating Liquid for 5GHz, Manufactured by SPEAG

Ingredients	(% by weight)
Water	64~78%
Mineral oil	11~18%
Emulsifiers	9~15%
Additives and Salt	2~3%

<Tissue Dielectric Parameter Check Results>

Frequency (MHz)	Tissue Type	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (ε_r)	Conductivity Target (σ)	Permittivity Target (ε_r)	Delta (σ) (%)	Delta (ε_r) (%)	Limit (%)	Date
750	Head	22.4	0.880	40.936	0.89	41.90	-1.12	-2.30	±5	2021/02/16
750	Head	22.6	0.886	41.532	0.89	41.90	-0.45	-0.88	±5	2021/02/21
750	Head	22.4	0.878	40.673	0.89	41.90	-1.35	-2.93	±5	2021/03/21
835	Head	22.5	0.902	40.749	0.90	41.50	0.22	-1.81	±5	2021/02/15
835	Head	22.4	0.929	41.793	0.90	41.50	3.22	0.71	±5	2021/02/22
835	Head	22.5	0.938	42.518	0.90	41.50	4.22	2.45	±5	2021/03/15
1750	Head	22.3	1.377	41.359	1.37	40.10	0.51	3.14	±5	2021/02/09
1750	Head	22.2	1.398	41.384	1.37	40.10	2.04	3.20	±5	2021/02/18
1750	Head	22.3	1.373	41.392	1.37	40.10	0.22	3.22	±5	2021/03/21
1900	Head	22.3	1.443	40.030	1.40	40.00	3.07	0.08	±5	2021/02/06
1900	Head	22.6	1.439	40.038	1.40	40.00	2.79	0.09	±5	2021/02/17
1900	Head	22.6	1.455	40.068	1.40	40.00	3.93	0.17	±5	2021/03/20
2300	Head	22.4	1.655	38.865	1.67	39.50	-0.90	-1.61	±5	2021/02/11
2300	Head	22.5	1.692	38.498	1.67	39.50	1.32	-2.54	±5	2021/02/20
2300	Head	22.2	1.665	38.837	1.67	39.50	-0.30	-1.68	±5	2021/03/15
2450	Head	22.4	1.824	38.032	1.80	39.20	1.33	-2.98	±5	2021/02/12
2450	Head	22.7	1.814	39.401	1.80	39.20	0.78	0.51	±5	2021/02/24
2450	Head	22.6	1.809	37.604	1.80	39.20	0.50	-4.07	±5	2021/03/14
2600	Head	22.5	2.009	39.626	1.96	39.00	2.50	1.61	±5	2021/02/14
2600	Head	22.7	1.992	40.445	1.96	39.00	1.63	3.71	±5	2021/02/19
2600	Head	22.8	1.999	40.544	1.96	39.00	1.99	3.96	±5	2021/03/21
3500	Head	22.7	2.909	38.635	2.91	37.90	-0.03	1.94	±5	2021/02/25
3700	Head	22.2	3.063	39.332	3.12	37.70	-1.83	4.33	±5	2021/02/27
3900	Head	22.6	3.199	38.142	3.33	37.51	-3.93	1.68	±5	2021/02/28
5250	Head	22.6	4.757	36.931	4.71	35.95	1.00	2.73	±5	2021/02/23
5250	Head	22.5	4.699	35.407	4.71	35.95	-0.23	-1.51	±5	2021/03/12
5250	Head	22.7	4.597	36.241	4.71	35.95	-2.40	0.81	±5	2021/03/17
5600	Head	22.6	5.199	36.179	5.07	35.50	2.54	1.91	±5	2021/02/24
5600	Head	22.3	5.044	34.914	5.07	35.50	-0.51	-1.65	±5	2021/03/11
5600	Head	22.4	4.954	35.793	5.07	35.50	-2.29	0.83	±5	2021/03/18
5750	Head	22.3	5.203	36.253	5.22	35.35	-0.33	2.55	±5	2021/02/25
5750	Head	22.7	5.182	34.643	5.22	35.35	-0.73	-2.00	±5	2021/03/09
5750	Head	22.4	5.119	35.497	5.22	35.35	-1.93	0.42	±5	2021/03/19

12.3 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.

<1g SAR>

Date	Frequency (MHz)2	Tissue Type2	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 (%)
2021/02/16	750	Head	250	1099	3826	1210	2.13	8.52	8.52	0.00
2021/02/21	750	Head	250	1099	3826	1210	2.15	8.52	8.6	0.94
2021/03/21	750	Head	250	1099	3826	1210	2.1	8.52	8.4	-1.41
2021/02/15	835	Head	250	4d162	3826	1210	2.50	9.61	10	4.06
2021/02/22	835	Head	250	4d162	3826	1210	2.57	9.61	10.28	6.97
2021/03/15	835	Head	250	4d162	3826	1210	2.52	9.61	10.08	4.89
2021/02/09	1750	Head	250	1137	3826	1210	9.67	36.50	38.68	5.97
2021/02/18	1750	Head	250	1137	3826	1210	9.82	36.50	39.28	7.62
2021/03/21	1750	Head	250	1137	3826	1210	9.39	36.50	37.56	2.90
2021/02/06	1900	Head	250	5d182	3826	1210	10.70	39.60	42.8	8.08
2021/02/17	1900	Head	250	5d182	3826	1210	10.70	39.60	42.8	8.08
2021/03/20	1900	Head	250	5d182	3826	1210	10.5	39.60	42	6.06
2021/02/11	2300	Head	250	1056	3826	1210	12.70	49.90	50.8	1.80
2021/02/20	2300	Head	250	1056	3826	1210	13.00	49.90	52	4.21
2021/03/15	2300	Head	250	1056	3826	1210	11.9	49.90	47.6	-4.61
2021/02/12	2450	Head	250	924	3826	1210	13.50	51.40	54	5.06
2021/02/24	2450	Head	250	924	3826	1210	13.20	51.40	52.8	2.72
2021/03/14	2450	Head	250	924	3826	1210	13.8	51.40	55.2	7.39
2021/02/14	2600	Head	250	1070	3826	1210	15.10	58.10	60.4	3.96
2021/02/19	2600	Head	250	1070	3826	1210	15.00	58.10	60	3.27
2021/03/21	2600	Head	250	1070	3826	1210	14.4	58.10	57.6	-0.86
2021/02/25	3500	Head	100	1076	3819	918	6.70	67.90	67	-1.33
2021/02/27	3700	Head	100	1037	3819	918	6.48	68.50	64.8	-5.40
2021/02/28	3900	Head	100	1022	3819	918	7.09	70.50	70.9	0.57
2021/02/23	5250	Head	100	1167	3826	1210	7.73	77.00	77.3	0.39
2021/03/12	5250	Head	100	1167	3826	1210	7.64	77.00	76.4	-0.78
2021/03/17	5250	Head	100	1167	3826	1210	7.4	77.00	74	-3.90
2021/02/24	5600	Head	100	1167	3826	1210	7.91	80.80	79.1	-2.10
2021/03/11	5600	Head	100	1167	3826	1210	7.67	80.80	76.7	-5.07
2021/03/18	5600	Head	100	1167	3826	1210	7.94	80.80	79.4	-1.73
2021/02/25	5750	Head	100	1167	3826	1210	7.32	76.90	73.2	-4.81
2021/03/09	5750	Head	100	1167	3826	1210	7.29	76.90	72.9	-5.20
2021/03/19	5750	Head	100	1167	3826	1210	7.37	76.90	73.7	-4.16

<10g SAR>

Date	Frequency (MHz)2	Tissue Type2	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
2021/02/16	750	Head	250	1099	3826	1210	1.42	5.64	5.68	0.71
2021/02/21	750	Head	250	1099	3826	1210	1.43	5.64	5.72	1.42
2021/03/21	750	Head	250	1099	3826	1210	1.39	5.64	5.56	-1.42
2021/02/15	835	Head	250	4d162	3826	1210	1.62	6.35	6.48	2.05
2021/02/22	835	Head	250	4d162	3826	1210	1.67	6.35	6.68	5.20
2021/03/15	835	Head	250	4d162	3826	1210	1.65	6.35	6.6	3.94
2021/02/09	1750	Head	250	1137	3826	1210	5.17	19.50	20.68	6.05
2021/02/18	1750	Head	250	1137	3826	1210	5.26	19.50	21.04	7.90
2021/03/21	1750	Head	250	1137	3826	1210	4.99	19.50	19.96	2.36
2021/02/06	1900	Head	250	5d182	3826	1210	5.49	20.70	21.96	6.09
2021/02/17	1900	Head	250	5d182	3826	1210	5.48	20.70	21.92	5.89
2021/03/20	1900	Head	250	5d182	3826	1210	5.34	20.70	21.36	3.19
2021/02/11	2300	Head	250	1056	3826	1210	5.95	23.80	23.8	0.00
2021/02/20	2300	Head	250	1056	3826	1210	6.08	23.80	24.32	2.18
2021/03/15	2300	Head	250	1056	3826	1210	5.59	23.80	22.36	-6.05
2021/02/12	2450	Head	250	924	3826	1210	6.09	24.00	24.36	1.50
2021/02/24	2450	Head	250	924	3826	1210	6.05	24.00	24.2	0.83
2021/03/14	2450	Head	250	924	3826	1210	6.17	24.00	24.68	2.83
2021/02/14	2600	Head	250	1070	3826	1210	6.53	26.10	26.12	0.08
2021/02/19	2600	Head	250	1070	3826	1210	6.48	26.10	25.92	-0.69
2021/03/21	2600	Head	250	1070	3826	1210	6.17	26.10	24.68	-5.44
2021/02/25	3500	Head	100	1076	3819	918	2.51	25.30	25.1	-0.79
2021/02/27	3700	Head	100	1037	3819	918	2.37	24.80	23.7	-4.44
2021/02/28	3900	Head	100	1022	3819	918	2.61	24.60	26.1	6.10
2021/02/23	5250	Head	100	1167	3826	1210	2.11	22.00	21.1	-4.09
2021/03/12	5250	Head	100	1167	3826	1210	2.08	22.00	20.8	-5.45
2021/03/17	5250	Head	100	1167	3826	1210	2.03	22.00	20.3	-7.73
2021/02/24	5600	Head	100	1167	3826	1210	2.16	23.20	21.6	-6.90
2021/03/11	5600	Head	100	1167	3826	1210	2.09	23.20	20.9	-9.91
2021/03/18	5600	Head	100	1167	3826	1210	2.16	23.20	21.6	-6.90
2021/02/25	5750	Head	100	1167	3826	1210	1.99	21.60	19.9	-7.87
2021/03/09	5750	Head	100	1167	3826	1210	1.98	21.60	19.8	-8.33
2021/03/19	5750	Head	100	1167	3826	1210	2.02	21.60	20.2	-6.48

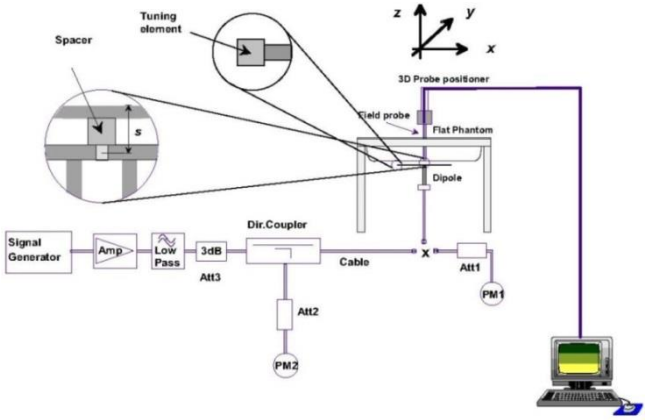


Fig 11.3.1 System Performance Check Setup

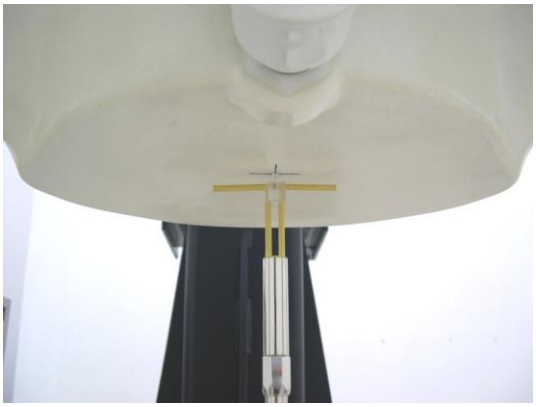


Fig 11.3.2 Setup Photo

13. RF Exposure Positions

13.1 Ear and handset reference point

Figure 12.1.1 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 15mm along the B-M (back-mouth) line behind the entrance-to-ear-canal (EEC) point, as shown in Figure 12.1.2 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 12.1.3). 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 12.1.2. The ear truncation is introduced to preclude the ear lobe from interfering with handset tilt, which could lead to unstable positioning at the cheek.

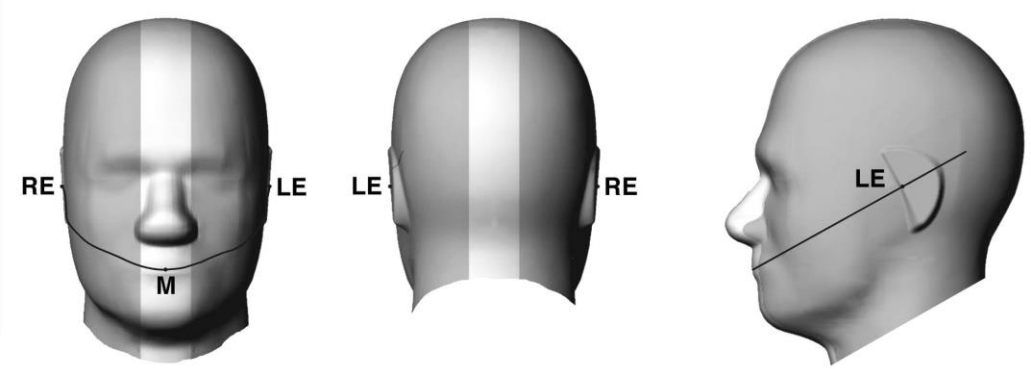


Fig 12.1.1 Front, back, and side views of SAM twin phantom

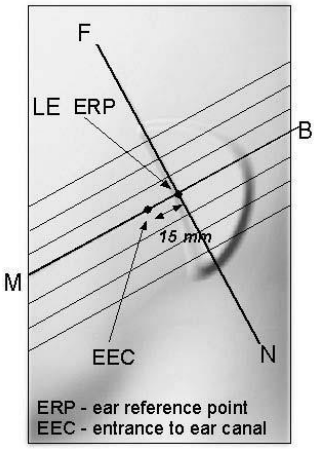


Fig 12.1.2 Close-up side view of phantom showing the ear region.

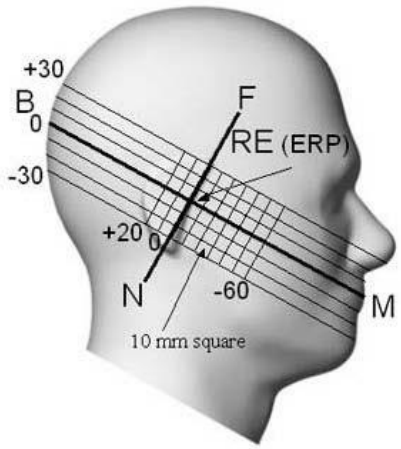


Fig 12.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

13.2 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 12.2.1 and Figure 12.2.2), 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 12.2.1). 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 12.2.2), 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 12.2.3), 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 12.2.3. The actual rotation angles should be documented in the test report.

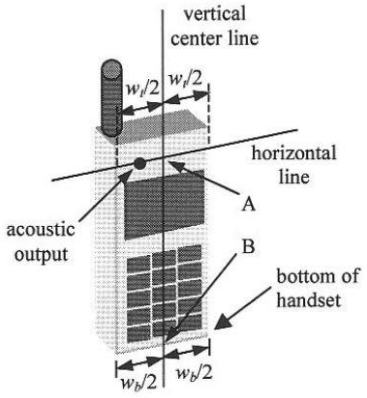


Fig 12.2.1 Handset vertical and horizontal reference lines—"fixed case

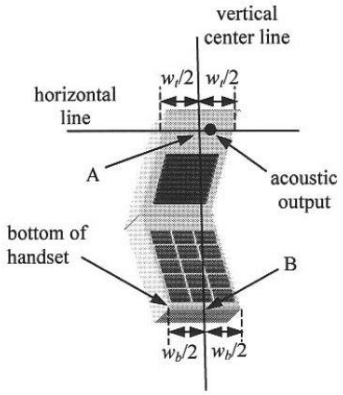


Fig 12.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

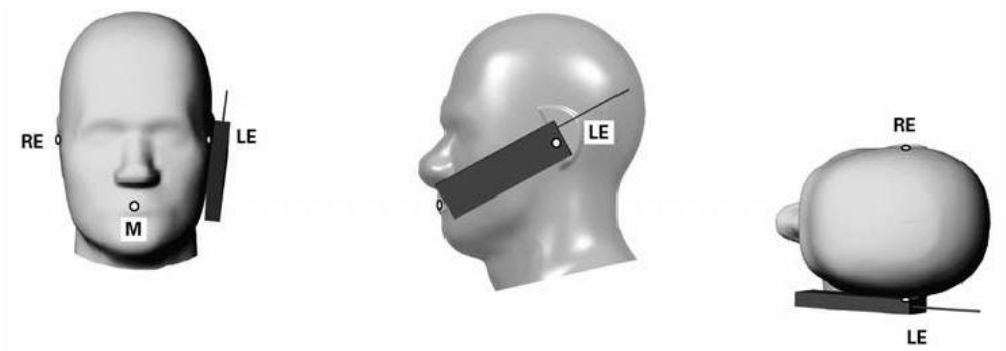


Fig 12.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

13.3 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 12.3.1. 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

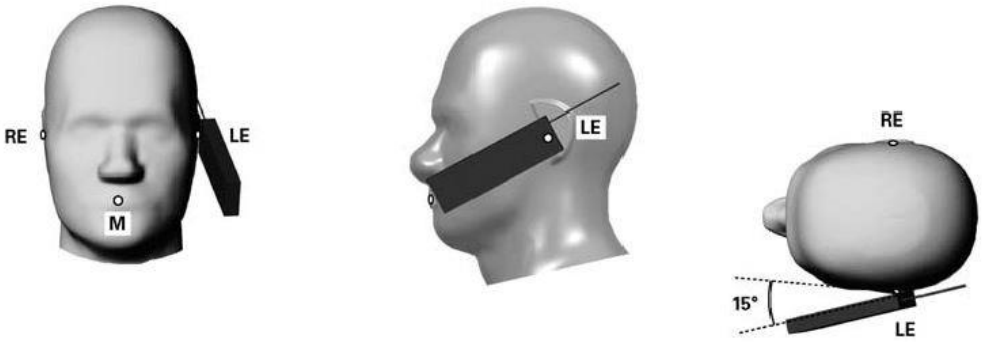


Fig 12.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

13.4 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 12.4). 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.

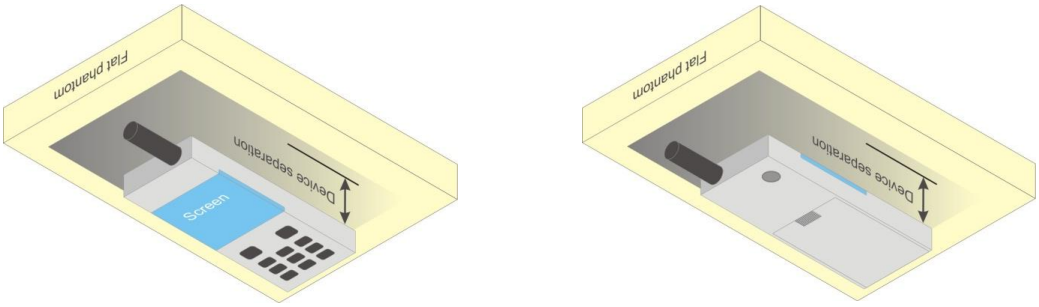


Fig 12.4 Body Worn Position

13.5 Product Specific 10g SAR 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 ≤ 25mm 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 5mm 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.

13.6 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.

14. Conducted RF Output Power (Unit: dBm)

The detailed conducted power table can refer to Appendix E.

<GSM Conducted Power>

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

<WCDMA Conducted Power>

1. The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
2. The procedures in KDB 941225 D01v03r01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode(s) to determine SAR test exclusion.
3. For DC-HSDPA, the device was configured according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1, with the primary and the secondary serving HS-DSCH Cell enabled during the power measurement.

A summary of these settings are illustrated below:

HSDPA Setup Configuration:

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

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

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

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c.

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

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

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

Setup Configuration

HSUPA Setup Configuration:

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

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

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

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

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

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

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

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

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

Setup Configuration

DC-HSDPA 3GPP release 8 Setup Configuration:

a. The EUT was connected to Base Station referred to the Setup Configuration below
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting:
   i. Set RMC 12.2Kbps + HSDPA mode.
   ii. Set Cell Power = -25 dBm
   iii. Set HS-DSCH Configuration Type to FRC (H-set 12, QPSK)
   iv. Select HSDPA Uplink Parameters
   v. Set Gain Factors (β_c and β_d) and parameters were set according to each Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
      a). Subtest 1: β_c/β_d=2/15
      b). Subtest 2: β_c/β_d=12/15
      c). Subtest 3: β_c/β_d=15/8
      d). Subtest 4: β_c/β_d=15/4
   vi. Set Delta ACK, Delta NACK and Delta CQI = 8
   vii. Set Ack-Nack Repetition Factor to 3
   viii. Set CQI Feedback Cycle (k) to 4 ms
   ix. Set CQI Repetition Factor to 2
   x. Power Ctrl Mode = All Up bits
d. The transmitted maximum output power was recorded.

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
A summary of these settings are illustrated below:

C.8.1.12 Fixed Reference Channel Definition H-Set 12

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Proces ses	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table. Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

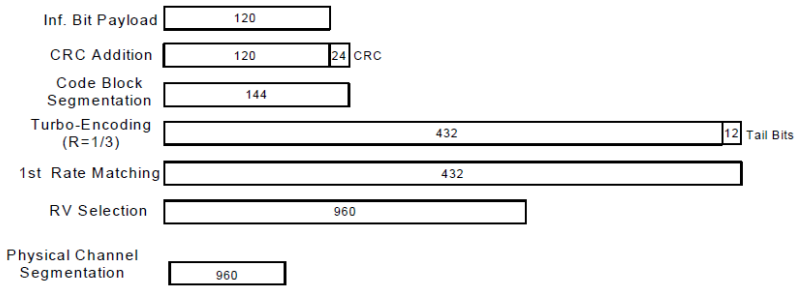


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

Setup Configuration

<WCDMA Conducted Power>

General 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 / DC-HSDPA 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 / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA

<CDMA2000 Conducted Power>

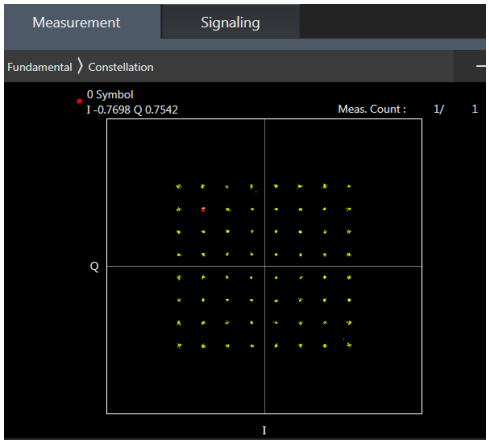
General Note:

1. Per KDB 941225 D01v03r01, SAR for head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55.
2. Per KDB 941225 D01v03r01, in Hotspot mode EUT is treated as data device and SAR is tested with Ev-Do Rev 0 (RTAP 153.6kbps) as the primary mode.
3. Per KDB 941225 D01v03r01, for Body-worn accessory SAR is measured in RC3 with the handset configured in TDSO/SO32 to transmit at full rate on FCH only with all other code channels disabled. The body-worn accessory procedures in KDB Publication 447498 are applied. The 3G SAR test reduction procedure is applied to the multiple code channel configuration (FCH+SCH), with FCH only as the primary mode.

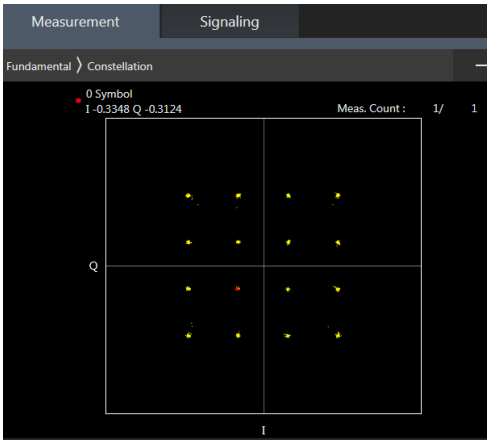
<LTE Conducted Power>

General Note:

1. Anritsu MT8820C base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05v02r05, for QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05v02r05, 16QAM/64QAM 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/64QAM SAR testing is not required.
7. Per KDB 941225 D05v02r05, smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
8. For LTE B4 / B5 / B12 / B17 / B26 / B38 / B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
9. LTE B2 /B4 / B5 / B17 / B38 SAR test was covered by LTE B25 /B66 / B26 / B12 / B41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
   a. the maximum output power, including tolerance, for the smaller band is ≤ the larger band to qualify for the SAR test exclusion
   b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band
10. According to 2017 TCB workshop, for 64 QAM and 16 QAM should be verified by checking the signal constellation with a call box to avoid incorrect maximum power levels due to MPR and other requirements associated with signal modulation, and the following figure is taken from the "Fundamental Measurement >> Modulation Analysis >> constellation" mode of the device connect to the MT8821C base station, therefore, the device 64QAM and 16QAM signal modulation are correct.



64QAM



16QAM

<TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

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

a. 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations

b. "special subframe S" contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS

c. Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Anritsu MT8820C (firmware: #22.52#004) was used for LTE output power measurements and SAR testing.

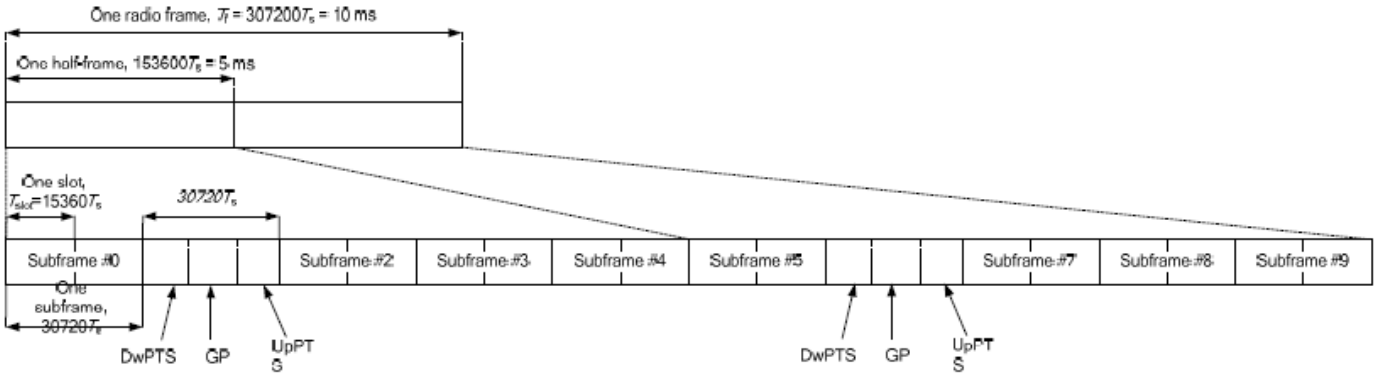


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

Table 4.2-2: Uplink-downlink configurations.

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

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

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

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

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

The highest duty factor is resulted from:

For LTE Band 41 Power class 2

i. Uplink-downlink configuration: 1. In a half-frame consisted of 5 subfames, uplink operation is in 2 uplink subframes and 1 special subframe.
ii. special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
iii. for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (2+0.167)/5 = 43.3%
iv. for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (2+0.143)/5 = 42.9%
v. For TDD LTE SAR measurement, the duty cycle 1:2.33 (42.9 %) was used perform testing and considering the theoretical duty cycle of 43.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 42.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 43.3%/42.9% = 1.009 is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

For LTE Band 41 Power class 3

i. Uplink-downlink configuration: 0. In a half-frame consisted of 5 subfames, uplink operation is in 3 uplink subframes and 1 special subframe.
ii. special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
iii. for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (3+0.167)/5 = 63.3%
iv. for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (3+0.143)/5 = 62.9%
v. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

<LTE Carrier Aggregation>

General Note:

1. This device supports Carrier Aggregation on downlink for inter and intra band. For the device supports bands and bandwidths and configurations are provided as follow table was according to 3GPP.
2. In applying the existing power measurement procedures of KDB 941225 D05A for DL CA SAR test exclusion, only the subset with the largest number of combinations of frequency bands and CCs in each row need combination, and for this device that all the configurations were choose to power measurement.
3. The gray color table is covered by other combinations and no need to verify power.

2CC Downlink Carrier Aggregation					3CC Downlink Carrier Aggregation				
Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset
1	CA_2C	2C		3CC-3	1	CA_2A-2A-4A	2A, 4A		
2	CA_2A-2A	2A-2A		3CC-2	2	CA_2A-2A-5A	2A		
3	CA_2A-4A	2A, 4A		3CC-1	3	CA_2C-12A			
4	CA_2A-5A	2A		3CC-2	4	CA_2A-2A-12A	2A		
5	CA_2A-12A	2A		3CC-4	5	CA_2A-2A-13A	2A		
6	CA_2A-13A	2A		3CC-15	6	CA_2A-2A-14A			
7	CA_2A-14A			3CC-6	7	CA_2A-2A-29A		B29 SCC Only	
8	CA_2A-29A	2A	B29 SCC Only	3CC-7	8	CA_2A-2A-30A	2A, 30A		
9	CA_2A-30A	2A, 30A		3CC-8	9	CA_2C-66A	66A		
10	CA_2A-48A	2A, 48A		3CC-21	10	CA_2A-2A-66A	2A, 66A		
11	CA_2A-66A	2A, 66A		3CC-10	11	CA_2A-2A-71A	2A		
12	CA_2A-71A	2A		3CC-11	12	CA_2A-4A-4A	2A, 4A		
13	CA_4A-4A	4A		3CC-12	13	CA_2A-4A-5A			
14	CA_4A-5A	4A		3CC-13	14	CA_2A-4A-12A			
15	CA_4A-12A	4A		3CC-14	15	CA_2A-4A-13A			
16	CA_4A-13A	4A		3CC-15	16	CA_2A-4A-29A		B29 SCC Only	
17	CA_4A-29A	4A	B29 SCC Only	3CC-16	17	CA_2A-4A-30A			
18	CA_4A-30A	4A, 30A		3CC-17	18	CA_2A-4A-71A			
19	CA_4A-48A	4A,48A			19	CA_2A-5B	2A		
20	CA_4A-71A	4A		3CC-18	20	CA_2A-5A-30A			
21	CA_5B			3CC-19	21	CA_2A-5A-48A			
22	CA_5A-5A			3CC-56	22	CA_2A-5A-66A			
23	CA_5A-30A	30A		3CC-20	23	CA_2A-12B	2A		
24	CA_5A-41A	66A			24	CA_2A-12A-30A			
25	CA_5A-48A	48A		3CC-21	25	CA_2A-12A-66A			
26	CA_5A-66A	66A		3CC-22	26	CA_2A-13A-48A			
27	CA_12B			3CC-23	27	CA_2A-13A-66A			
28	CA_12A-30A	30A		3CC-24	28	CA_2A-14A-30A			
29	CA_12A-66A	66A		3CC-25	29	CA_2A-14A-66A			
30	CA_13A-48A	48A		3CC-26	30	CA_2A-29A-30A			
31	CA_13A-66A	66A		3CC-27	31	CA_2A-29A-66A			
32	CA_14A-30A	30A		3CC-28	32	CA_2A-30A-66A			
33	CA_14A-66A	66A		3CC-29	33	CA_2A-48C	2A		
34	CA_25A-25A	25A-25A		3CC-73	34	CA_2A-48A-48A			
35	CA_25A-26A	25A		3CC-73	35	CA_2A-48A-66A			
36	CA_25A-41A				36	CA_2A-66B	2A		
37	CA_26A-41A				37	CA_2A-66C	2A		
38	CA_29A-30A	30A	B29 SCC Only	3CC-76	38	CA_2A-66A-66A	2A, 66A		
39	CA_29A-66A	66A	B29 SCC Only	3CC-76	39	CA_2A-66A-71A			
40	CA_30A-66A	30A, 66A		3CC-76	40	CA_4A-4A-5A	4A		
41	CA_41C	41C		3CC-80	41	CA_4A-4A-12A	4A		
42	CA_41A-41A	41A-41A		3CC-81	42	CA_4A-4A-13A	4A		
43	CA_48C	48C		3CC-84	43	CA_4A-4A-29A		B29 SCC Only	
44	CA_48A-48A	48A-48A		3CC-85	44	CA_4A-4A-30A			

45	CA_48A-66A	48A, 66A		3CC-85	45	CA_4A-4A-71A	4A		
46	CA_48A-71A			3CC-87	46	CA_4A-5B	4A		
47	CA_66B	66B		3CC-88	47	CA_4A-5A-30A			
48	CA_66C	66C		3CC-89	48	CA_4A-12B	4A		
49	CA_66A-66A	66A-66A		3CC-90	49	CA_4A-12A-30A			
50	CA_66A-71A	66A		3CC-96	50	CA_4A-29A-30A		B29 SCC Only	
51					51	CA_4A-48C	4A		
52					52	CA_5B-30A			
53					53	CA_5B-66A	66A		
54					54	CA_5A-66B			
55					55	CA_5A-66C			
56					56	CA_5A-5A-66A			
57					57	CA_5A-30A-66A			
					58	CA_5A-48C			
					59	CA_5A-48A-66A			
					60	CA_5A-66A-66A	66A		
					61	CA_12B-66A			
					62	CA_12A-30A-66A			
					63	CA_12A-66C			
					64	CA_12A-66A-66A	66A		
					65	CA_13A-48C			
					66	CA_13A-48A-48A			
					67	CA_13A-48A-66A			
					68	CA_13A-66B			
					69	CA_13A-66C			
					70	CA_13A-66A-66A	66A		
					71	CA_14A-30A-66A			
					72	CA_14A-66A-66A			
					73	CA_25A-25A-26A	25A		
					74	CA_25A-41C			
					75	CA_26A-41C			
					76	CA_29A-30A-66A		B29 SCC Only	
					77	CA_29A-66A-66A		B29 SCC Only	
					78	CA_30A-66A-66A	30A, 66A		
					79	CA_41D			
					80	CA_41A-41C	41A		
					81	CA_41A-41A-41A			
					82	CA_48D			
					83	CA_48A-48C			
					84	CA_48C-66A	66A		
					85	CA_48A-48A-66A			
					86	CA_48C-71A			
					87	CA_48A-48A-71A			
					88	CA_48A-66B			
					89	CA_48A-66C			
					90	CA_48A-66A-66A			
					91	CA_66D			
					92	CA_66A-66B	66A		
					93	CA_66A-66C	66A		
					94	CA_66A-66A-66A	66A		
					95	CA_66C-71A			
					96	CA_66A-66A-71A	66A		

LTE 4x4 MIMO (Downlink)

This device supports downlink 4x4 MIMO operations for LTE Bands 2/4/25/30/66/41/48 only. Uplink transmission is limited to a single output stream. Power measurements were performed with downlink 4x4 MIMO active for the configuration with highest measured maximum conducted power with 4x4 downlink MIMO inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

Per FCC Guidance, SAR for downlink 4x4 MIMO was not needed since the maximum average output power in 4x4 downlink MIMO mode was not > 0.25 dB higher than the maximum output power with downlink 4x4 MIMO inactive. When carrier aggregation is applicable, power measurements were performed with the downlink carrier aggregation and 4x4 DL MIMO active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

LTE Carrier Aggregation Conducted Power (Downlink)

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

ii. Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.

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

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

v. For inter-band CA, the SCC selected highest bandwidth and near the middle of its transmission band. For SCC DL RB size and offset will base on the PCC corresponding RB allocation.

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

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

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

<LTE Uplink carrier aggregation>

2CC Uplink Carrier Aggregation	
Number	Combination
1	5B
2	66B
3	66C
4	41C
5	48C

<Intra-band>

General Note:

i. The device supports intra-band uplink carrier aggregation for LTE B66/B41/B48/B5 with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.

ii. 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.

iii. 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.

iv. 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.

v. 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.

vi. LTE CA 66B test was covered by 66C, therefore, SAR was only assessed for 66C.

<Inter-band uplink carrier aggregation consideration>

ULCA	PCC		SCC	
	Band	ANT port	Band	ANT port
2A-4A	2	1	4	2
2A-4A	2	2	4	1
4A-2A	4	1	2	2
4A-2A	4	2	2	1
2A-66A	2	1	66	2
2A-66A	2	2	66	1
66A-2A	66	1	2	2
66A-2A	66	2	2	1
2A-5A	2	1	5	2
2A-5A	2	2	5	8
5A-2A	5	2	2	1
5A-2A	5	8	2	2
2A-12A	2	1	12	2
2A-12A	2	2	12	8
12A-2A	12	2	2	1
12A-2A	12	8	2	2
4A-5A	4	1	5	2

4A-5A	4	2	5	8
5A-4A	5	2	4	1
5A-4A	5	8	4	2
4A-12A	4	1	12	2
4A-12A	4	2	12	8
12A-4A	12	2	4	1
12A-4A	12	8	4	2
5A-30A	5	2	30	1
5A-30A	5	8	30	2
30A-5A	30	1	5	2
30A-5A	30	2	5	8
5A-66A	5	2	66	1
5A-66A	5	8	66	2
66A-5A	66	1	5	2
66A-5A	66	2	5	8
12A-30A	12	2	30	1
12A-30A	12	8	30	2
30A-12A	30	1	12	2
30A-12A	30	2	12	8
12A-66A	12	2	66	1
12A-66A	12	8	66	2
66A-12A	66	1	12	2
66A-12A	66	2	12	8
13A-66A	13	2	66	1
13A-66A	13	8	66	2
66A-13A	66	1	13	2
66A-13A	66	2	13	8
14A-30A	14	2	30	1
14A-30A	14	8	30	2
30A-14A	30	1	14	2
30A-14A	30	2	14	8
2A-13A	2	1	13	2
2A-13A	2	2	13	8
13A-2A	13	2	2	1
13A-2A	13	8	2	2
4A-13A	4	1	13	2
4A-13A	4	2	13	8
13A-4A	13	2	4	1
13A-4A	13	8	4	2

General Note:

1. The LTE inter band total power is the same as LTE standalone power.
2. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmitting power for WWAN transmitter to ensure the product in compliance with FCC RF exposure limit over a defined time window, for SAR (transmit frequency ≤ 6GHz). To control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is compliant to the regulation requirement.
3. For LTE inter band CA have been verified at FCC part 2 report, transmit power in real time and the time-averaged RF exposure is compliant to the regulation requirement.
4. For LTE inter band CA mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure between two LTE bands. Smart Transmit algorithm controls the total RF exposure base on LTE inter CA bands to not exceed FCC limit. Therefore, simultaneous transmission compliance for LTE CA inter band SAR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated with other Radios (WLAN or BT) using standalone LTE SAR mode.

5G NR Output Power (Unit: dBm)

General Note:

1. Following 5G NR n2/n5/n12/n25/n26/n30/n66/n71 support SCS 15KHz DFT/CP-OFDM, PI/2 BPSK/QPSK/16QAM/64QAM/256 QAM.
2. Following 5G NR n41/n77/n78 support SCS 30KHz DFT/CP-OFDM, PI/2 BPSK/QPSK/16QAM/64QAM/256 QAM.
3. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
   a. For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KDB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not ½ dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is ≤ 1.45 W/kg; CP-OFDM measurement is unnecessary.
   b. For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 3, full measurement on Pi/2 BPSK and QPSK, for16QAM/64QMA/256QAM spot check 1RB 1offset configuration to ensure the output power will not ½ dB higher than Pi/2 BPSK and QPSK, for smaller bandwidth output power will spot check 1RB 1offset configuration at Pi/2 BPSK to ensure output power will not ½ dB higher than largest supported bandwidth.
   c. SAR testing start with the largest channel bandwidth and measure SAR 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.
   d. 50% RB allocation for PI/2 BPSK SAR testing follows 1RB PI/2 BPSK allocation procedure
   e. PI/2 BPSK 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.
   f. QPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will 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.
   g. Smaller bandwidth output power for each RB allocation configuration for this device will 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
4. 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.

<3GPP 38.101 MPR for EN-DC>

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

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

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

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

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

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

NR configuration	E-UTRA configuration	Uplink EN-DC configuration
n41	2A	2A_n41A
	25A	25A_n41A
	66A	66A_n41A
	2C	2C_n41A
	2A-2A	2A-2A_n41A
n77	2A	2A_n77A
	5A	5A_n77A
	13A	13A_n77A
	14A	14A_n77A
	66A	66A_n77A
	2A-2A	2A-2A_n77A
	66A-66A	66A-66A_n77A
n2A	5A	5A_n2A
	12A	12A_n2A
	13A	13A_n2A
	14A	14A_n2A
	30A	30A_n2A
	66A	66A_n2A
	2A-5A	2A-5A_n2A,
	2A-12A	2A-12A_n2A,
	2A-13A	2A-13A_n2A,
	2A-14A	2A-14A_n2A,
	2A-66A	2A-66A_n2A,
	5B	5B_n2A
	5A-5A	5A-5A_n2A
	5A-30A	5A-30A_n2A,
	5A-66A	5A-66A_n2A,
	12A-30A	12A-30A_n2A,

	12A-66A	12A-66A_n2A,
	13A-48A	13A-48A_n2A,
	13A-66A	13A-66A_n2A,
	14A-30A	14A-30A_n2A,
	14A-66A	14A-66A_n2A,
	30A-66A	30A-66A_n2A,
	66A-66A	66A-66A_n2A
n5A	2A	2A_n5A
	30A	30A_n5A
	48A	48A_n5A
	66A	66A_n5A
	2A-2A	2A-2A_n5A
	2A-5A	2A-5A_n5A,
	2A-30A	2A-30A_n5A,
	2A-48A	2A-48A_n5A,
	2A-66A	2A-66A_n5A,
	5A-66A	5A-66A_n5A,
	30A-66A	30A-66A_n5A,
	48A-66A	48A-66A_n5A,
	66B	66B_n5A,
	66C	66C_n5A,
	66A-66A	66A-66A_n5A
n12A	2A	2A_n12A
	66A	66A_n12A
	2A-66A	2A-66A_n12A,
n25A	12A	12A_n25A
	48A	48A_n25A
	66A	66A_n25A
	2A-66A	2A-66A_n25A,
	12A-66A	12A-66A_n25A,
	48C	48C_n25A
	48A-66A	48A-66A_n25A,
n30A	2A	2A_n30A
	5A	5A_n30A
	12A	12A_n30A
	14A	14A_n30A
	2A-2A	2A-2A_n30A
	2A-5A	2A-5A_n30A,
	2A-12A	2A-12A_n30A,
	2A-14A	2A-14A_n30A,
	2A-66A	2A-66A_n30A,
	5A-66A	5A-66A_n30A,
	12A-66A	12A-66A_n30A,
	14A-66A	14A-66A_n30A,
	66A-66A	66A-66A_n30A
n66A	2A	2A_n66A
	5A	5A_n66A
	12A	12A_n66A
	13A	13A_n66A
	14A	14A_n66A
	30A	30A_n66A
	48A	48A_n66A
	2A-2A	2A-2A_n66A
	2A-5A	2A-5A_n66A,
	2A-12A	2A-12A_n66A,
	2A-13A	2A-13A_n66A,

	2A-14A	2A-14A_n66A,
	2A-30A	2A-30A_n66A,
	2A-48A	2A-48A_n66A,
	2A-66A	2A-66A_n66A,
	5B	5B_n66A
	5A-5A	5A-5A_n66A
	5A-30A	5A-30A_n66A,
	5A-66A	5A-66A_n66A,
	12A-30A	12A-30A_n66A,
	12A-66A	12A-66A_n66A,
	13A-48A	13A-48A_n66A,
	13A-66A	13A-66A_n66A,
	14A-30A	14A-30A_n66A,
	14A-66A	14A-66A_n66A,
	30A-66A	30A-66A_n66A,
	48C	48C_n66A
n71A	2A	2A_n71A
	66A	66A_n71A
	2C	2C_n71A
	2A-2A	2A-2A_n71A
	2A-66A	2A-66A_n71A,
	2A-71A	2A-71A_n71A
	66C	66C_n71A
	66A-66A	66A-66A_n71A,
	66A-71A	66A-71A_n71A,

<WLAN Conducted Power>

General Note:

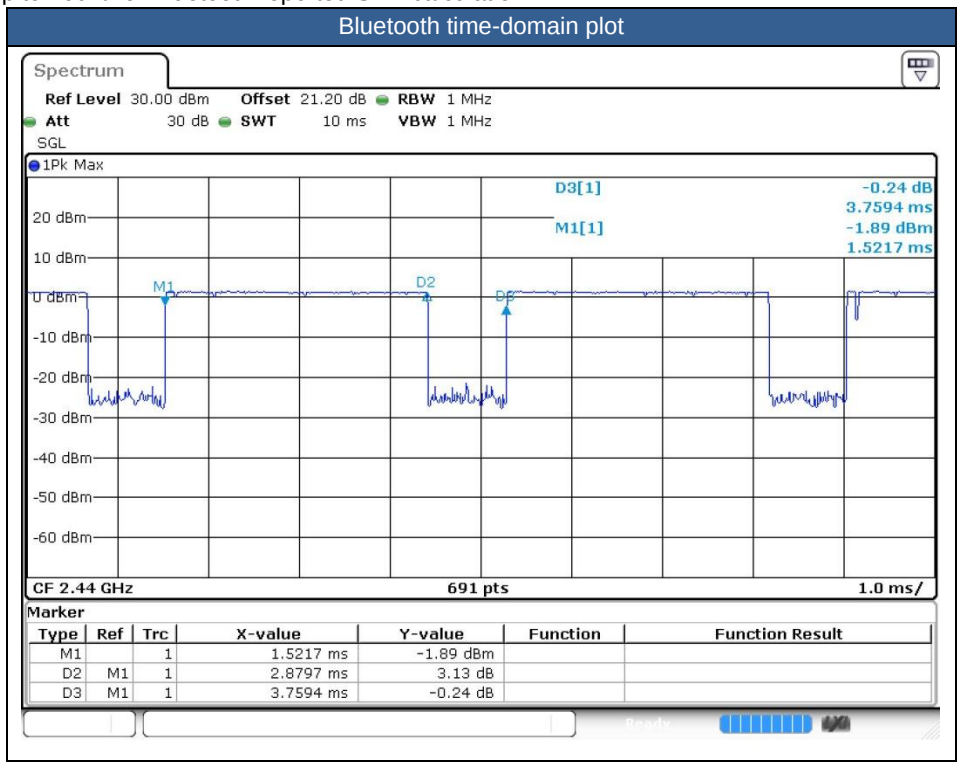
1. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
2. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
3. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
4. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
   a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
   b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
   c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

<2.4GHz Bluetooth>

General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
2. The Bluetooth duty cycle is 76.6 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation

Bluetooth time-domain plot



15. Antenna Location

The detailed antenna location information can refer to SAR Test Setup Photos.

16. 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 BT/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 BT/WLAN: 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 when the measured SAR is ≥ 0.8W/kg. 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. Pre KDB648474 D04v01r03, when the reported SAR for a 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 headset attached to the handset. When headset SAR is less than or equal than without headset SAR, no need to verify the remaining channels for headset SAR.
5. The device implements Proximity sensors/receiver detect mechanism/hotspot trigger reduced power for the power management for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity).
6. The device will invoke corresponding work scenarios power level, which are provided in the operational description.
7. 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 extremity 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 (for handheld on state, the maximum full power means reduced power), including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.
   a. For this device SAR for WWAN/WLAN transmitter scaled to maximum output power mode for product specific 10g SAR is higher than 1.2W/kg of GSM850/1900, CDMA 0/1/10, WCDMA Band II/IV/V, LTE Band 2/4/5/7/13/14/25/26/30/38/41/48/66, 5GNR n2/n5/n25/n26/n30/n41/n66/n77/n78 and WLAN 2.4GHz /WLAN 5.2/5.8GHz therefore product specific 10g SAR is necessary.
   b. WLAN 5.3/5.5GHz tested the product specific 10g SAR since it has no hotspot mode.
   c. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.
8. For verification of compliance of power reduction scheme, additional SAR testing with EUT transmitting at full RF power at a conservative trigger distance was performed for body worn:
   Front: 21 mm
   Back: 28mm

9. For verification of compliance of power reduction scheme, additional SAR testing with EUT transmitting at full RF power at a conservative trigger distance was performed for handheld:
   ANT1:
   Front: 8 mm
   Back: 12mm
   Bottom side: 12 mm
   ANT2:
   Front: 9 mm
   Back: 11mm
   Top side: 12 mm
   ANT4:
   Back: 6mm
   WLAN ANT5:
   Back: 8 mm
10. The following table“n/a”means the measured SAR is too small to find the 1g cube SAR.

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 3Tx slots for GSM850/ GSM1900 are 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.

WCDMA 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 / DC-HSDPA 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 / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

CDMA Note:

1. Per KDB 941225 D01v03r01, SAR for next to the ear head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55.
2. Per KDB 941225 D01v03r01, in Hotspot mode EUT is treated as data device and SAR is tested with Ev-Do Rev 0 (RTAP 153.6kbps) as the primary mode.
3. Per KDB 941225 D01v03r01, for Body-worn accessory SAR is measured in RC3 with the handset configured in TDSO/SO32 to transmit at full rate on FCH only with all other code channels disabled. The body-worn accessory procedures in KDB Publication 447498 are applied. The 3G SAR test reduction procedure is applied to the multiple code channel configuration (FCH+SCH), with FCH only as the primary mode.

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/64QAM 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/64QAM 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. This device supports HPUE for LTE band 41 with class 2 level, so HPUE SAR has been performed.
7. For LTE B4 / B5 / B12 / B17 / B26 / B38 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.
8. LTE B2 /B4 / B5 / B17 / B38 SAR test was covered by LTE B25 /B66 / B26 / B12 / B41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
   a. the maximum output power, including tolerance, for the smaller band is ≤ the larger band to qualify for the SAR test exclusion
   b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band

5G NR Note:

1. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
   a. SAR testing start with the largest channel bandwidth and measure SAR 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.
   b. 50% RB allocation for PI/2 BPSK SAR testing follows 1RB PI/2 BPSK allocation procedure
   c. PI/2 BPSK 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.
   d. QPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will 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.
   e. Smaller bandwidth output power for each RB allocation configuration for this device will 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
   f. For 5G FR1 n5/n12 /n41/n66/n71/n77/n78 the maximum bandwidth does not support three non-overlapping channels, 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.

WLAN Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
3. 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.
4. 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.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

16.1 Head SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Power State	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_Ant8	GPRS(3 Tx slots)	Right Cheek	DSI4	189	836.4	29.70	31.00	1.349	0.11	0.182	0.246
	GSM850_Ant8	GPRS(3 Tx slots)	Right Tilted	DSI4	189	836.4	29.70	31.00	1.349	-0.03	0.078	0.105
01	GSM850_Ant8	GPRS(3 Tx slots)	Left Cheek	DSI4	189	836.4	29.70	31.00	1.349	0.02	0.195	**0.263**
	GSM850_Ant8	GPRS(3 Tx slots)	Left Tilted	DSI4	189	836.4	29.70	31.00	1.349	-0.07	0.079	0.106
02	GSM1900_Ant1	GPRS(3 Tx slots)	Right Cheek	DSI4	512	1850.2	27.03	28.00	1.250	-0.1	0.044	**0.055**
	GSM1900_Ant1	GPRS(3 Tx slots)	Right Tilted	DSI4	512	1850.2	27.03	28.00	1.250	0.18	0.034	0.043
	GSM1900_Ant1	GPRS(3 Tx slots)	Left Cheek	DSI4	512	1850.2	27.03	28.00	1.250	0.15	0.041	0.051
	GSM1900_Ant1	GPRS(3 Tx slots)	Left Tilted	DSI4	512	1850.2	27.03	28.00	1.250	0.17	0.039	0.048

<CDMA SAR>

Plot No.	Band	Mode	Test Position	Power State	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	CDMA BC0_Ant8	RC3 SO55	Right Cheek	DSI4	384	836.52	23.78	25.00	1.324	-0.16	0.157	**0.208**
	CDMA BC0_Ant8	RC3 SO55	Right Tilted	DSI4	384	836.52	23.78	25.00	1.324	0.03	0.053	0.071
	CDMA BC0_Ant8	RC3 SO55	Left Cheek	DSI4	384	836.52	23.78	25.00	1.324	0.07	0.143	0.189
	CDMA BC0_Ant8	RC3 SO55	Left Tilted	DSI4	384	836.52	23.78	25.00	1.324	0.11	0.055	0.072
04	CDMA BC10_Ant8	RC3 SO55	Right Cheek	DSI4	580	820.5	23.86	25.00	1.300	-0.19	0.105	**0.137**
	CDMA BC10_Ant8	RC3 SO55	Right Tilted	DSI4	580	820.5	23.86	25.00	1.300	0.12	0.048	0.063
	CDMA BC10_Ant8	RC3 SO55	Left Cheek	DSI4	580	820.5	23.86	25.00	1.300	-0.02	0.095	0.123
	CDMA BC10_Ant8	RC3 SO55	Left Tilted	DSI4	580	820.5	23.86	25.00	1.300	-0.17	0.068	0.088
	CDMA BC1_Ant1	RC3 SO55	Right Cheek	DSI4	25	1851.25	23.94	25.00	1.276	-0.1	0.063	0.081
	CDMA BC1_Ant1	RC3 SO55	Right Tilted	DSI4	25	1851.25	23.94	25.00	1.276	-0.18	0.043	0.055
05	CDMA BC1_Ant1	RC3 SO55	Left Cheek	DSI4	25	1851.25	23.94	25.00	1.276	0.13	0.086	**0.110**
	CDMA BC1_Ant1	RC3 SO55	Left Tilted	DSI4	25	1851.25	23.94	25.00	1.276	0.09	0.066	0.084

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Power State	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	WCDMA V_Ant8	RMC 12.2Kbps	Right Cheek	DSI4	4182	836.4	22.87	24.00	1.297	-0.02	0.178	**0.231**
	WCDMA V_Ant8	RMC 12.2Kbps	Right Tilted	DSI4	4182	836.4	22.87	24.00	1.297	-0.08	0.097	0.126
	WCDMA V_Ant8	RMC 12.2Kbps	Left Cheek	DSI4	4182	836.4	22.87	24.00	1.297	0.1	0.164	0.213
	WCDMA V_Ant8	RMC 12.2Kbps	Left Tilted	DSI4	4182	836.4	22.87	24.00	1.297	0.04	0.073	0.095
07	WCDMA IV_Ant1	RMC 12.2Kbps	Right Cheek	DSI4	1413	1732.6	23.11	24.00	1.227	0.15	0.101	**0.124**
	WCDMA IV_Ant1	RMC 12.2Kbps	Right Tilted	DSI4	1413	1732.6	23.11	24.00	1.227	0.02	0.090	0.110
	WCDMA IV_Ant1	RMC 12.2Kbps	Left Cheek	DSI4	1413	1732.6	23.11	24.00	1.227	0.11	0.097	0.120
	WCDMA IV_Ant1	RMC 12.2Kbps	Left Tilted	DSI4	1413	1732.6	23.11	24.00	1.227	0.02	0.071	0.088
	WCDMA II_Ant1	RMC 12.2Kbps	Right Cheek	DSI4	9262	1852.4	23.16	24.00	1.213	-0.14	0.088	0.107
	WCDMA II_Ant1	RMC 12.2Kbps	Right Tilted	DSI4	9262	1852.4	23.16	24.00	1.213	-0.01	0.058	0.071
08	WCDMA II_Ant1	RMC 12.2Kbps	Left Cheek	DSI4	9262	1852.4	23.16	24.00	1.213	0.13	0.091	**0.111**
	WCDMA II_Ant1	RMC 12.2Kbps	Left Tilted	DSI4	9262	1852.4	23.16	24.00	1.213	0.12	0.083	0.101

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Power State	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_Ant2	20M	QPSK	1	0	Right Cheek	DSI2_Standalone	133322	683	21.84	22.80	1.247	-0.08	0.612	0.763
	LTE Band 71_Ant2	20M	QPSK	1	0	Right Tilted	DSI2_Standalone	133322	683	21.84	22.80	1.247	0.05	0.422	0.526
	LTE Band 71_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Standalone	133322	683	21.84	22.80	1.247	0.09	0.742	0.926
	LTE Band 71_Ant2	20M	QPSK	1	0	Left Tilted	DSI2_Standalone	133322	683	21.84	22.80	1.247	-0.16	0.601	0.750
	LTE Band 71_Ant2	20M	QPSK	50	0	Right Cheek	DSI2_Standalone	133322	683	21.73	22.80	1.279	-0.12	0.618	0.791
	LTE Band 71_Ant2	20M	QPSK	50	0	Right Tilted	DSI2_Standalone	133322	683	21.73	22.80	1.279	0.18	0.434	0.555
	LTE Band 71_Ant2	20M	QPSK	50	0	Left Cheek	DSI2_Standalone	133322	683	21.73	22.80	1.279	0.05	0.730	0.934
	LTE Band 71_Ant2	20M	QPSK	50	0	Left Tilted	DSI2_Standalone	133322	683	21.73	22.80	1.279	0.05	0.595	0.761
09	LTE Band 71_Ant2	20M	QPSK	100	0	Left Cheek	DSI2_Standalone	133322	683	21.60	22.80	1.318	0.12	0.733	**0.966**
	LTE Band 71_Ant2	20M	QPSK	1	0	Right Cheek	DSI2_Sim-Tx	133322	683	20.92	21.50	1.143	-0.03	0.430	0.491
	LTE Band 71_Ant2	20M	QPSK	1	0	Right Tilted	DSI2_Sim-Tx	133322	683	20.92	21.50	1.143	-0.1	0.373	0.426
	LTE Band 71_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	133322	683	20.92	21.50	1.143	0.02	0.654	0.747
	LTE Band 71_Ant2	20M	QPSK	1	0	Left Tilted	DSI2_Sim-Tx	133322	683	20.92	21.50	1.143	-0.17	0.503	0.575
	LTE Band 71_Ant2	20M	QPSK	50	0	Right Cheek	DSI2_Sim-Tx	133322	683	20.94	21.50	1.138	0.12	0.453	0.515
	LTE Band 71_Ant2	20M	QPSK	50	0	Right Tilted	DSI2_Sim-Tx	133322	683	20.94	21.50	1.138	-0.09	0.376	0.428
	LTE Band 71_Ant2	20M	QPSK	50	0	Left Cheek	DSI2_Sim-Tx	133322	683	20.94	21.50	1.138	-0.03	0.671	0.763
	LTE Band 71_Ant2	20M	QPSK	50	0	Left Tilted	DSI2_Sim-Tx	133322	683	20.94	21.50	1.138	-0.08	0.527	0.600
	LTE Band 71_Ant8	20M	QPSK	1	0	Right Cheek	DSI4	133322	683	22.86	24.00	1.300	-0.15	0.063	0.082
	LTE Band 71_Ant8	20M	QPSK	1	0	Right Tilted	DSI4	133322	683	22.86	24.00	1.300	-	n/a	n/a
	LTE Band 71_Ant8	20M	QPSK	1	0	Left Cheek	DSI4	133322	683	22.86	24.00	1.300	0.04	0.073	0.095
	LTE Band 71_Ant8	20M	QPSK	1	0	Left Tilted	DSI4	133322	683	22.86	24.00	1.300	-	n/a	n/a
	LTE Band 71_Ant8	20M	QPSK	50	0	Right Cheek	DSI4	133322	683	21.96	23.00	1.271	0.03	0.046	0.058
	LTE Band 71_Ant8	20M	QPSK	50	0	Right Tilted	DSI4	133322	683	21.96	23.00	1.271	-	n/a	n/a
	LTE Band 71_Ant8	20M	QPSK	50	0	Left Cheek	DSI4	133322	683	21.96	23.00	1.271	0.15	0.045	0.057
	LTE Band 71_Ant8	20M	QPSK	50	0	Left Tilted	DSI4	133322	683	21.96	23.00	1.271	-	n/a	n/a
	LTE Band 12_Ant2	10M	QPSK	1	49	Right Cheek	DSI2_Standalone	23095	707.5	22.40	23.30	1.230	-0.07	0.424	0.522
	LTE Band 12_Ant2	10M	QPSK	1	49	Right Tilted	DSI2_Standalone	23095	707.5	22.40	23.30	1.230	0.04	0.345	0.424
10	LTE Band 12_Ant2	10M	QPSK	1	49	Left Cheek	DSI2_Standalone	23095	707.5	22.40	23.30	1.230	0.09	0.825	**1.015**
	LTE Band 12_Ant2	10M	QPSK	1	49	Left Tilted	DSI2_Standalone	23095	707.5	22.40	23.30	1.230	-0.17	0.460	0.566
	LTE Band 12_Ant2	10M	QPSK	25	25	Right Cheek	DSI2_Standalone	23095	707.5	22.31	23.00	1.172	-0.09	0.461	0.540
	LTE Band 12_Ant2	10M	QPSK	25	25	Right Tilted	DSI2_Standalone	23095	707.5	22.31	23.00	1.172	0.02	0.370	0.434
	LTE Band 12_Ant2	10M	QPSK	25	25	Left Cheek	DSI2_Standalone	23095	707.5	22.31	23.00	1.172	0.02	0.744	0.872
	LTE Band 12_Ant2	10M	QPSK	25	25	Left Tilted	DSI2_Standalone	23095	707.5	22.31	23.00	1.172	0.04	0.492	0.577
	LTE Band 12_Ant2	10M	QPSK	50	0	Left Cheek	DSI2_Standalone	23095	707.5	22.29	23.00	1.178	0.03	0.742	0.874
	LTE Band 12_Ant2	10M	QPSK	1	49	Right Cheek	DSI2_Sim-Tx	23095	707.5	21.70	22.50	1.202	-0.05	0.393	0.472
	LTE Band 12_Ant2	10M	QPSK	1	49	Right Tilted	DSI2_Sim-Tx	23095	707.5	21.70	22.50	1.202	-0.03	0.320	0.385
	LTE Band 12_Ant2	10M	QPSK	1	49	Left Cheek	DSI2_Sim-Tx	23095	707.5	21.70	22.50	1.202	-0.09	0.516	0.620
	LTE Band 12_Ant2	10M	QPSK	1	49	Left Tilted	DSI2_Sim-Tx	23095	707.5	21.70	22.50	1.202	-0.11	0.407	0.489
	LTE Band 12_Ant2	10M	QPSK	25	25	Right Cheek	DSI2_Sim-Tx	23095	707.5	21.68	22.50	1.208	0.1	0.423	0.511
	LTE Band 12_Ant2	10M	QPSK	25	25	Right Tilted	DSI2_Sim-Tx	23095	707.5	21.68	22.50	1.208	-0.17	0.341	0.412
	LTE Band 12_Ant2	10M	QPSK	25	25	Left Cheek	DSI2_Sim-Tx	23095	707.5	21.68	22.50	1.208	0.17	0.556	0.672
	LTE Band 12_Ant2	10M	QPSK	25	25	Left Tilted	DSI2_Sim-Tx	23095	707.5	21.68	22.50	1.208	-0.16	0.436	0.527
	LTE Band 12_Ant8	10M	QPSK	1	49	Right Cheek	DSI4	23095	707.5	22.93	24.00	1.279	-0.18	0.079	0.101
	LTE Band 12_Ant8	10M	QPSK	1	49	Right Tilted	DSI4	23095	707.5	22.93	24.00	1.279	-0.12	0.031	0.039
	LTE Band 12_Ant8	10M	QPSK	1	49	Left Cheek	DSI4	23095	707.5	22.93	24.00	1.279	0.12	0.080	0.102
	LTE Band 12_Ant8	10M	QPSK	1	49	Left Tilted	DSI4	23095	707.5	22.93	24.00	1.279	-0.04	0.030	0.039
	LTE Band 12_Ant8	10M	QPSK	25	25	Right Cheek	DSI4	23095	707.5	22.24	23.00	1.191	-0.15	0.044	0.053
	LTE Band 12_Ant8	10M	QPSK	25	25	Right Tilted	DSI4	23095	707.5	22.24	23.00	1.191	-0.13	0.019	0.023
	LTE Band 12_Ant8	10M	QPSK	25	25	Left Cheek	DSI4	23095	707.5	22.24	23.00	1.191	-0.01	0.043	0.052
	LTE Band 12_Ant8	10M	QPSK	25	25	Left Tilted	DSI4	23095	707.5	22.24	23.00	1.191	-0.04	0.018	0.022

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Power State	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_Ant2	10M	QPSK	1	49	Right Cheek	DSI2_Standalone	23230	782	21.95	22.80	1.216	-0.15	0.603	0.733
	LTE Band 13_Ant2	10M	QPSK	1	49	Right Tilted	DSI2_Standalone	23230	782	21.95	22.80	1.216	-0.07	0.570	0.693
	LTE Band 13_Ant2	10M	QPSK	1	49	Left Cheek	DSI2_Standalone	23230	782	21.95	22.80	1.216	0.05	0.769	0.935
	LTE Band 13_Ant2	10M	QPSK	1	49	Left Tilted	DSI2_Standalone	23230	782	21.95	22.80	1.216	0.16	0.588	0.715
	LTE Band 13_Ant2	10M	QPSK	25	25	Right Cheek	DSI2_Standalone	23230	782	21.91	22.80	1.227	-0.06	0.615	0.755
	LTE Band 13_Ant2	10M	QPSK	25	25	Right Tilted	DSI2_Standalone	23230	782	21.91	22.80	1.227	-0.03	0.572	0.702
11	LTE Band 13_Ant2	10M	QPSK	25	25	Left Cheek	DSI2_Standalone	23230	782	21.91	22.80	1.227	0.07	0.777	**0.954**
	LTE Band 13_Ant2	10M	QPSK	25	25	Left Tilted	DSI2_Standalone	23230	782	21.91	22.80	1.227	-0.08	0.607	0.745
	LTE Band 13_Ant2	10M	QPSK	50	0	Left Cheek	DSI2_Standalone	23230	782	21.85	22.80	1.245	-0.07	0.750	0.933
	LTE Band 13_Ant2	10M	QPSK	1	49	Right Cheek	DSI2_Sim-Tx	23230	782	21.14	22.00	1.219	0.13	0.499	0.608
	LTE Band 13_Ant2	10M	QPSK	1	49	Right Tilted	DSI2_Sim-Tx	23230	782	21.14	22.00	1.219	-0.12	0.447	0.545
	LTE Band 13_Ant2	10M	QPSK	1	49	Left Cheek	DSI2_Sim-Tx	23230	782	21.14	22.00	1.219	-0.18	0.627	0.764
	LTE Band 13_Ant2	10M	QPSK	1	49	Left Tilted	DSI2_Sim-Tx	23230	782	21.14	22.00	1.219	-0.13	0.499	0.608
	LTE Band 13_Ant2	10M	QPSK	25	25	Right Cheek	DSI2_Sim-Tx	23230	782	21.05	22.00	1.245	-0.16	0.510	0.635
	LTE Band 13_Ant2	10M	QPSK	25	25	Right Tilted	DSI2_Sim-Tx	23230	782	21.05	22.00	1.245	-0.03	0.453	0.564
	LTE Band 13_Ant2	10M	QPSK	25	25	Left Cheek	DSI2_Sim-Tx	23230	782	21.05	22.00	1.245	0.04	0.644	0.801
	LTE Band 13_Ant2	10M	QPSK	25	25	Left Tilted	DSI2_Sim-Tx	23230	782	21.05	22.00	1.245	-0.13	0.506	0.630
	LTE Band 13_Ant2	10M	QPSK	50	0	Left Cheek	DSI2_Sim-Tx	23230	782	20.99	22.00	1.262	0.06	0.527	0.665
	LTE Band 13_Ant8	10M	QPSK	1	49	Right Cheek	DSI4	23230	782	22.94	24.00	1.276	0.05	0.154	0.197
	LTE Band 13_Ant8	10M	QPSK	1	49	Right Tilted	DSI4	23230	782	22.94	24.00	1.276	0.19	0.071	0.091
	LTE Band 13_Ant8	10M	QPSK	1	49	Left Cheek	DSI4	23230	782	22.94	24.00	1.276	0.11	0.158	0.202
	LTE Band 13_Ant8	10M	QPSK	1	49	Left Tilted	DSI4	23230	782	22.94	24.00	1.276	0.18	0.072	0.091
	LTE Band 13_Ant8	10M	QPSK	25	25	Right Cheek	DSI4	23230	782	21.98	23.00	1.265	-0.17	0.132	0.167
	LTE Band 13_Ant8	10M	QPSK	25	25	Right Tilted	DSI4	23230	782	21.98	23.00	1.265	-0.1	0.044	0.056
	LTE Band 13_Ant8	10M	QPSK	25	25	Left Cheek	DSI4	23230	782	21.98	23.00	1.265	0.1	0.140	0.177
	LTE Band 13_Ant8	10M	QPSK	25	25	Left Tilted	DSI4	23230	782	21.98	23.00	1.265	0.02	0.045	0.056
	LTE Band 14_Ant2	10M	QPSK	1	0	Right Cheek	DSI2_Standalone	23330	793	22.16	23.20	1.271	-0.11	0.783	0.995
	LTE Band 14_Ant2	10M	QPSK	1	0	Right Tilted	DSI2_Standalone	23330	793	22.16	23.20	1.271	-0.1	0.690	0.877
12	LTE Band 14_Ant2	10M	QPSK	1	0	Left Cheek	DSI2_Standalone	23330	793	22.16	23.20	1.271	-0.12	0.899	**1.142**
	LTE Band 14_Ant2	10M	QPSK	1	0	Left Tilted	DSI2_Standalone	23330	793	22.16	23.20	1.271	-0.01	0.874	1.110
	LTE Band 14_Ant2	10M	QPSK	25	12	Right Cheek	DSI2_Standalone	23330	793	22.12	23.00	1.225	0.16	0.675	0.827
	LTE Band 14_Ant2	10M	QPSK	25	12	Right Tilted	DSI2_Standalone	23330	793	22.12	23.00	1.225	-0.05	0.614	0.752
	LTE Band 14_Ant2	10M	QPSK	25	12	Left Cheek	DSI2_Standalone	23330	793	22.12	23.00	1.225	0.04	0.767	0.939
	LTE Band 14_Ant2	10M	QPSK	25	12	Left Tilted	DSI2_Standalone	23330	793	22.12	23.00	1.225	-0.15	0.750	0.918
	LTE Band 14_Ant2	10M	QPSK	50	0	Right Cheek	DSI2_Standalone	23330	793	22.05	23.00	1.245	0.14	0.671	0.835
	LTE Band 14_Ant2	10M	QPSK	50	0	Right Tilted	DSI2_Standalone	23330	793	22.05	23.00	1.245	0.06	0.595	0.740
	LTE Band 14_Ant2	10M	QPSK	50	0	Left Cheek	DSI2_Standalone	23330	793	22.05	23.00	1.245	0.15	0.904	1.125
	LTE Band 14_Ant2	10M	QPSK	50	0	Left Tilted	DSI2_Standalone	23330	793	22.05	23.00	1.245	0.11	0.743	0.925
	LTE Band 14_Ant2	10M	QPSK	1	0	Right Cheek	DSI2_Sim-Tx	23330	793	21.50	22.40	1.230	-0.16	0.616	0.758
	LTE Band 14_Ant2	10M	QPSK	1	0	Right Tilted	DSI2_Sim-Tx	23330	793	21.50	22.40	1.230	-0.04	0.546	0.672
	LTE Band 14_Ant2	10M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	23330	793	21.50	22.40	1.230	0.04	0.743	0.914
	LTE Band 14_Ant2	10M	QPSK	1	0	Left Tilted	DSI2_Sim-Tx	23330	793	21.50	22.40	1.230	0.03	0.729	0.897
	LTE Band 14_Ant2	10M	QPSK	25	12	Right Cheek	DSI2_Sim-Tx	23330	793	21.35	22.40	1.274	-0.09	0.638	0.812
	LTE Band 14_Ant2	10M	QPSK	25	12	Right Tilted	DSI2_Sim-Tx	23330	793	21.35	22.40	1.274	0.11	0.570	0.726
	LTE Band 14_Ant2	10M	QPSK	25	12	Left Cheek	DSI2_Sim-Tx	23330	793	21.35	22.40	1.274	-0.02	0.718	0.914
	LTE Band 14_Ant2	10M	QPSK	25	12	Left Tilted	DSI2_Sim-Tx	23330	793	21.35	22.40	1.274	-0.11	0.573	0.730
	LTE Band 14_Ant2	10M	QPSK	50	0	Right Cheek	DSI2_Sim-Tx	23330	793	21.23	22.40	1.309	-0.04	0.552	0.723
	LTE Band 14_Ant2	10M	QPSK	50	0	Left Cheek	DSI2_Sim-Tx	23330	793	21.23	22.40	1.309	0.08	0.653	0.855
	LTE Band 14_Ant2	10M	QPSK	50	0	Left Tilted	DSI2_Sim-Tx	23330	793	21.23	22.40	1.309	-0.07	0.599	0.784
	LTE Band 14_Ant8	10M	QPSK	1	49	Right Cheek	DSI4	23330	793	22.78	24.00	1.324	-0.08	0.164	0.217
	LTE Band 14_Ant8	10M	QPSK	1	49	Right Tilted	DSI4	23330	793	22.78	24.00	1.324	0.06	0.069	0.091
	LTE Band 14_Ant8	10M	QPSK	1	49	Left Cheek	DSI4	23330	793	22.78	24.00	1.324	-0.13	0.156	0.207
	LTE Band 14_Ant8	10M	QPSK	1	49	Left Tilted	DSI4	23330	793	22.78	24.00	1.324	-0.16	0.072	0.095

	LTE Band 14_Ant8	10M	QPSK	25	25	Right Cheek	DSI4	23330	793	21.84	23.00	1.306	-0.13	0.094	0.123
	LTE Band 14_Ant8	10M	QPSK	25	25	Right Tilted	DSI4	23330	793	21.84	23.00	1.306	0.1	0.039	0.051
	LTE Band 14_Ant8	10M	QPSK	25	25	Left Cheek	DSI4	23330	793	21.84	23.00	1.306	-0.06	0.087	0.114
	LTE Band 14_Ant8	10M	QPSK	25	25	Left Tilted	DSI4	23330	793	21.84	23.00	1.306	0.06	0.043	0.056
	LTE Band 26_Ant2	15M	QPSK	1	0	Right Cheek	DSI2_Standalone	26765	821.5	20.55	21.30	1.189	-0.1	0.811	0.964
	LTE Band 26_Ant2	15M	QPSK	1	0	Right Tilted	DSI2_Standalone	26765	821.5	20.55	21.30	1.189	-0.07	0.739	0.878
13	LTE Band 26_Ant2	15M	QPSK	1	0	Left Cheek	DSI2_Standalone	26765	821.5	20.55	21.30	1.189	-0.11	1.000	**1.189**
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Tilted	DSI2_Standalone	26765	821.5	20.55	21.30	1.189	-0.16	0.884	1.051
	LTE Band 26_Ant2	15M	QPSK	1	0	Right Cheek	DSI2_Standalone	26865	831.5	20.36	21.30	1.242	-0.04	0.828	1.028
	LTE Band 26_Ant2	15M	QPSK	1	0	Right Cheek	DSI2_Standalone	26965	841.5	20.16	21.30	1.300	-0.13	0.656	0.853
	LTE Band 26_Ant2	15M	QPSK	1	0	Right Tilted	DSI2_Standalone	26865	831.5	20.36	21.30	1.242	-0.04	0.769	0.955
	LTE Band 26_Ant2	15M	QPSK	1	0	Right Tilted	DSI2_Standalone	26965	841.5	20.16	21.30	1.300	-0.13	0.696	0.905
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Cheek	DSI2_Standalone	26865	831.5	20.36	21.30	1.242	-0.1	0.948	1.177
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Cheek	DSI2_Standalone	26965	841.5	20.16	21.30	1.300	-0.07	0.677	0.880
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Tilted	DSI2_Standalone	26865	831.5	20.36	21.30	1.242	-0.04	0.773	0.960
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Tilted	DSI2_Standalone	26965	841.5	20.16	21.30	1.300	-0.13	0.618	0.804
	LTE Band 5B_Ant2	10M	QPSK	1	0	Left Cheek	DSI2_Standalone	20575(PCC)+ 20476(SCC)	841.5(PCC)+ 831.6(SCC)	20.14	21.30	1.306	0.02	0.857	1.119
	LTE Band 5B_Ant2	10M	QPSK	1	49	Left Cheek	DSI2_Standalone	20450(PCC)+ 20549(SCC)	829(PCC)+ 838.9(SCC)	20.01	21.30	1.346	0.06	0.843	1.135
	LTE Band 5B_Ant2	10M	QPSK	1	0	Left Cheek	DSI2_Standalone	20600(PCC)+ 20501(SCC)	844(PCC)+ 834.1(SCC)	20.02	21.30	1.343	0.08	0.859	1.153
	LTE Band 26_Ant2	15M	QPSK	36	39	Right Cheek	DSI2_Standalone	26765	821.5	20.37	21.30	1.239	0.02	0.664	0.823
	LTE Band 26_Ant2	15M	QPSK	36	39	Right Tilted	DSI2_Standalone	26765	821.5	20.37	21.30	1.239	-0.07	0.672	0.832
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Cheek	DSI2_Standalone	26765	821.5	20.37	21.30	1.239	-0.15	0.839	1.039
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Tilted	DSI2_Standalone	26765	821.5	20.37	21.30	1.239	0.16	0.820	1.016
	LTE Band 26_Ant2	15M	QPSK	36	39	Right Cheek	DSI2_Standalone	26865	831.5	20.07	21.30	1.327	-0.05	0.729	0.968
	LTE Band 26_Ant2	15M	QPSK	36	39	Right Cheek	DSI2_Standalone	26965	841.5	19.97	21.30	1.358	-0.08	0.630	0.856
	LTE Band 26_Ant2	15M	QPSK	36	39	Right Tilted	DSI2_Standalone	26865	831.5	20.07	21.30	1.327	-0.17	0.731	0.970
	LTE Band 26_Ant2	15M	QPSK	36	39	Right Tilted	DSI2_Standalone	26965	841.5	19.97	21.30	1.358	-0.04	0.627	0.852
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Cheek	DSI2_Standalone	26865	831.5	20.07	21.30	1.327	-0.03	0.698	0.927
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Cheek	DSI2_Standalone	26965	841.5	19.97	21.30	1.358	-0.13	0.825	1.121
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Tilted	DSI2_Standalone	26865	831.5	20.07	21.30	1.327	-0.05	0.661	0.877
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Tilted	DSI2_Standalone	26965	841.5	19.97	21.30	1.358	0.01	0.542	0.736
	LTE Band 26_Ant2	15M	QPSK	75	0	Right Cheek	DSI2_Standalone	26765	821.5	20.47	21.30	1.211	-0.03	0.716	0.867
	LTE Band 26_Ant2	15M	QPSK	75	0	Right Tilted	DSI2_Standalone	26765	821.5	20.47	21.30	1.211	-0.12	0.736	0.891
	LTE Band 26_Ant2	15M	QPSK	75	0	Left Cheek	DSI2_Standalone	26765	821.5	20.47	21.30	1.211	0.05	0.976	1.182
	LTE Band 26_Ant2	15M	QPSK	75	0	Left Tilted	DSI2_Standalone	26765	821.5	20.47	21.30	1.211	-0.04	0.809	0.979
	LTE Band 26_Ant2	15M	QPSK	1	0	Right Cheek	DSI2_Sim-Tx	26765	821.5	19.68	20.50	1.208	-0.06	0.448	0.541
	LTE Band 26_Ant2	15M	QPSK	1	0	Right Tilted	DSI2_Sim-Tx	26765	821.5	19.68	20.50	1.208	-0.05	0.391	0.472
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	26765	821.5	19.68	20.50	1.208	0.11	0.706	0.853
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Tilted	DSI2_Sim-Tx	26765	821.5	19.68	20.50	1.208	-0.11	0.613	0.740
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	26865	831.5	19.66	20.50	1.213	-0.06	0.660	0.801
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	26965	841.5	19.57	20.50	1.239	-0.08	0.568	0.704
	LTE Band 5B_Ant2	10M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	20575(PCC)+ 20476(SCC)	841.5(PCC)+ 831.6(SCC)	19.27	20.50	1.327	0.05	0.636	0.844
	LTE Band 5B_Ant2	10M	QPSK	1	49	Left Cheek	DSI2_Sim-Tx	20450(PCC)+ 20549(SCC)	829(PCC)+ 838.9(SCC)	19.18	20.50	1.355	0.07	0.625	0.847
	LTE Band 5B_Ant2	10M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	20600(PCC)+ 20501(SCC)	844(PCC)+ 834.1(SCC)	19.23	20.50	1.340	0.01	0.622	0.833
	LTE Band 26_Ant2	15M	QPSK	36	39	Right Cheek	DSI2_Sim-Tx	26765	821.5	19.53	20.50	1.250	0.04	0.448	0.560
	LTE Band 26_Ant2	15M	QPSK	36	39	Right Tilted	DSI2_Sim-Tx	26765	821.5	19.53	20.50	1.250	0.11	0.400	0.500
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Cheek	DSI2_Sim-Tx	26765	821.5	19.53	20.50	1.250	0.03	0.667	0.834
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Tilted	DSI2_Sim-Tx	26765	821.5	19.53	20.50	1.250	-0.06	0.573	0.716
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Cheek	DSI2_Sim-Tx	26865	831.5	19.50	20.50	1.259	-0.1	0.603	0.759
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Cheek	DSI2_Sim-Tx	26965	841.5	19.42	20.50	1.282	0.08	0.368	0.472
	LTE Band 26_Ant2	15M	QPSK	75	0	Left Cheek	DSI2_Sim-Tx	26765	821.5	19.52	20.50	1.253	0.11	0.675	0.846
	LTE Band 26_Ant8	15M	QPSK	1	0	Right Cheek	DSI4	26765	821.5	22.54	24.00	1.400	-0.19	0.064	0.090
	LTE Band 26_Ant8	15M	QPSK	1	0	Right Tilted	DSI4	26765	821.5	22.54	24.00	1.400	-	n/a	n/a

	LTE Band 26_Ant8	15M	QPSK	1	0	Left Cheek	DSI4	26765	821.5	22.54	24.00	1.400	0.04	0.085	0.118
	LTE Band 26_Ant8	15M	QPSK	1	0	Left Tilted	DSI4	26765	821.5	22.54	24.00	1.400	0.17	0.056	0.078
	LTE Band 5B_Ant8	10M	QPSK	1	0	Left Cheek	DSI4	20575(PCC)+ 20476(SCC)	841.5(PCC)+ 831.6(SCC)	22.78	24.00	1.324	0.03	0.082	0.109
	LTE Band 26_Ant8	15M	QPSK	36	0	Right Cheek	DSI4	26765	821.5	21.69	23.00	1.352	0.07	0.056	0.076
	LTE Band 26_Ant8	15M	QPSK	36	0	Right Tilted	DSI4	26765	821.5	21.69	23.00	1.352	-	n/a	n/a
	LTE Band 26_Ant8	15M	QPSK	36	0	Left Cheek	DSI4	26765	821.5	21.69	23.00	1.352	0.08	0.064	0.087
	LTE Band 26_Ant8	15M	QPSK	36	0	Left Tilted	DSI4	26765	821.5	21.69	23.00	1.352	-0.04	0.038	0.051

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Power State	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_Ant2	20M	QPSK	1	0	Right Cheek	DSI2_Standalone	132322	1745	16.97	17.90	1.239	0.05	0.281	0.348
	LTE Band 66_Ant2	20M	QPSK	1	0	Right Tilted	DSI2_Standalone	132322	1745	16.97	17.90	1.239	-0.03	0.322	0.399
	LTE Band 66_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Standalone	132322	1745	16.97	17.90	1.239	0.03	0.787	0.975
	LTE Band 66_Ant2	20M	QPSK	1	0	Left Tilted	DSI2_Standalone	132322	1745	16.97	17.90	1.239	-0.15	0.629	0.779
	LTE Band 66_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Standalone	132072	1720	16.82	17.90	1.282	0.17	0.788	1.010
	LTE Band 66_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Standalone	132572	1770	16.86	17.90	1.271	0.11	0.793	1.008
	LTE Band 66_Ant2	20M	QPSK	50	24	Right Cheek	DSI2_Standalone	132322	1745	16.86	17.90	1.271	0.01	0.297	0.377
	LTE Band 66_Ant2	20M	QPSK	50	24	Right Tilted	DSI2_Standalone	132322	1745	16.86	17.90	1.271	0.06	0.350	0.445
	LTE Band 66_Ant2	20M	QPSK	50	24	Left Cheek	DSI2_Standalone	132322	1745	16.86	17.90	1.271	0.06	0.733	0.931
	LTE Band 66_Ant2	20M	QPSK	50	24	Left Tilted	DSI2_Standalone	132322	1745	16.86	17.90	1.271	0.09	0.676	0.859
	LTE Band 66_Ant2	20M	QPSK	50	24	Left Cheek	DSI2_Standalone	132072	1720	16.81	17.90	1.285	0.13	0.822	1.057
14	LTE Band 66_Ant2	20M	QPSK	50	24	Left Cheek	DSI2_Standalone	132572	1770	16.85	17.90	1.274	-0.11	0.930	**1.184**
	LTE Band 66C_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Standalone	132572(PCC)+ 132374(SCC)	1770(PCC)+ 1750.2(SCC)	16.89	17.90	1.262	0.01	0.687	0.867
	LTE Band 66C_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Standalone	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	17.02	17.90	1.225	0.02	0.604	0.740
	LTE Band 66C_Ant2	20M	QPSK	1	99	Left Cheek	DSI2_Standalone	132072(PCC)+ 132270(SCC)	1720(PCC)+ 1739.8(SCC)	17.00	17.90	1.230	0.09	0.719	0.885
	LTE Band 66_Ant2	20M	QPSK	50	24	Left Tilted	DSI2_Standalone	132072	1720	16.81	17.90	1.285	0.09	0.651	0.837
	LTE Band 66_Ant2	20M	QPSK	50	24	Left Tilted	DSI2_Standalone	132572	1770	16.85	17.90	1.274	0.07	0.745	0.949
	LTE Band 66_Ant2	20M	QPSK	100	0	Left Cheek	DSI2_Standalone	132322	1745	16.78	17.90	1.294	-0.12	0.788	1.020
	LTE Band 66_Ant2	20M	QPSK	100	0	Left Tilted	DSI2_Standalone	132322	1745	16.78	17.90	1.294	0.14	0.638	0.826
	LTE Band 66_Ant2	20M	QPSK	1	0	Right Cheek	DSI2_Sim-Tx	132322	1745	15.75	16.60	1.216	0.08	0.208	0.253
	LTE Band 66_Ant2	20M	QPSK	1	0	Right Tilted	DSI2_Sim-Tx	132322	1745	15.75	16.60	1.216	0.12	0.247	0.300
	LTE Band 66_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	132322	1745	15.75	16.60	1.216	0.17	0.577	0.702
	LTE Band 66_Ant2	20M	QPSK	1	0	Left Tilted	DSI2_Sim-Tx	132322	1745	15.75	16.60	1.216	-0.16	0.470	0.572
	LTE Band 66_Ant2	20M	QPSK	50	24	Right Cheek	DSI2_Sim-Tx	132322	1745	15.60	16.60	1.259	-0.07	0.216	0.272
	LTE Band 66_Ant2	20M	QPSK	50	24	Right Tilted	DSI2_Sim-Tx	132322	1745	15.60	16.60	1.259	-0.13	0.261	0.329
	LTE Band 66_Ant2	20M	QPSK	50	24	Left Cheek	DSI2_Sim-Tx	132322	1745	15.60	16.60	1.259	-0.11	0.614	0.773
	LTE Band 66C_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	15.31	16.60	1.346	0.02	0.468	0.630
	LTE Band 66_Ant2	20M	QPSK	50	24	Left Tilted	DSI2_Sim-Tx	132322	1745	15.60	16.60	1.259	-0.15	0.507	0.638
	LTE Band 66_Ant1	20M	QPSK	1	0	Right Cheek	DSI4	132322	1745	22.91	24.00	1.285	0.13	0.098	0.126
	LTE Band 66C_Ant1	20M	QPSK	1	0	Right Cheek	DSI4	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	22.57	24.00	1.390	0.02	0.090	0.125
	LTE Band 66_Ant1	20M	QPSK	1	0	Right Tilted	DSI4	132322	1745	22.91	24.00	1.285	0.08	0.061	0.078
	LTE Band 66_Ant1	20M	QPSK	1	0	Left Cheek	DSI4	132322	1745	22.91	24.00	1.285	0.01	0.052	0.067
	LTE Band 66_Ant1	20M	QPSK	1	0	Left Tilted	DSI4	132322	1745	22.91	24.00	1.285	0.01	0.043	0.055
	LTE Band 66_Ant1	20M	QPSK	50	24	Right Cheek	DSI4	132322	1745	21.80	23.00	1.318	-0.18	0.071	0.094
	LTE Band 66_Ant1	20M	QPSK	50	24	Right Tilted	DSI4	132322	1745	21.80	23.00	1.318	0.06	0.058	0.076
	LTE Band 66_Ant1	20M	QPSK	50	24	Left Cheek	DSI4	132322	1745	21.80	23.00	1.318	0.06	0.067	0.088
	LTE Band 66_Ant1	20M	QPSK	50	24	Left Tilted	DSI4	132322	1745	21.80	23.00	1.318	0.05	0.055	0.073

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Power State	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_Ant2	20M	QPSK	1	0	Right Cheek	DSI2_Standalone	26140	1860	15.97	16.80	1.211	0.12	0.320	0.387
	LTE Band 25_Ant2	20M	QPSK	1	0	Right Tilted	DSI2_Standalone	26140	1860	15.97	16.80	1.211	-0.06	0.382	0.462
	LTE Band 25_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Standalone	26140	1860	15.97	16.80	1.211	0.1	0.862	1.044
	LTE Band 25_Ant2	20M	QPSK	1	0	Left Tilted	DSI2_Standalone	26140	1860	15.97	16.80	1.211	0.09	0.623	0.754
	LTE Band 25_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Standalone	26340	1880	15.85	16.80	1.245	-0.17	0.871	1.084
	LTE Band 25_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Standalone	26590	1905	15.83	16.80	1.250	-0.04	0.730	0.913
	LTE Band 25_Ant2	20M	QPSK	50	0	Right Cheek	DSI2_Standalone	26140	1860	15.80	16.80	1.259	-0.11	0.335	0.422
	LTE Band 25_Ant2	20M	QPSK	50	0	Right Tilted	DSI2_Standalone	26140	1860	15.80	16.80	1.259	0.08	0.408	0.514
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Cheek	DSI2_Standalone	26140	1860	15.80	16.80	1.259	0.07	0.860	1.083
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Tilted	DSI2_Standalone	26140	1860	15.80	16.80	1.259	-0.01	0.666	0.838
15	LTE Band 25_Ant2	20M	QPSK	50	0	Left Cheek	DSI2_Standalone	26340	1880	15.73	16.80	1.279	-0.12	0.918	**1.174**
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Cheek	DSI2_Standalone	26590	1905	15.61	16.80	1.315	0.07	0.686	0.902
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Tilted	DSI2_Standalone	26340	1880	15.73	16.80	1.279	0.01	0.704	0.901
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Tilted	DSI2_Standalone	26590	1905	15.61	16.80	1.315	0.05	0.688	0.905
	LTE Band 25_Ant2	20M	QPSK	100	0	Left Cheek	DSI2_Standalone	26140	1860	15.76	16.80	1.271	0.06	0.706	0.897
	LTE Band 25_Ant2	20M	QPSK	100	0	Left Tilted	DSI2_Standalone	26140	1860	15.76	16.80	1.271	-0.04	0.703	0.893
	LTE Band 25_Ant2	20M	QPSK	1	0	Right Cheek	DSI2_Sim-Tx	26140	1860	15.24	16.00	1.191	0.09	0.191	0.228
	LTE Band 25_Ant2	20M	QPSK	1	0	Right Tilted	DSI2_Sim-Tx	26140	1860	15.24	16.00	1.191	0.15	0.229	0.273
	LTE Band 25_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	26140	1860	15.24	16.00	1.191	-0.01	0.712	0.848
	LTE Band 25_Ant2	20M	QPSK	1	0	Left Tilted	DSI2_Sim-Tx	26140	1860	15.24	16.00	1.191	-0.15	0.386	0.460
	LTE Band 25_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	26340	1880	15.01	16.00	1.256	0.08	0.711	0.893
	LTE Band 25_Ant2	20M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	26590	1905	14.97	16.00	1.268	0.06	0.572	0.725
	LTE Band 25_Ant2	20M	QPSK	50	0	Right Cheek	DSI2_Sim-Tx	26140	1860	15.00	16.00	1.259	0.06	0.189	0.238
	LTE Band 25_Ant2	20M	QPSK	50	0	Right Tilted	DSI2_Sim-Tx	26140	1860	15.00	16.00	1.259	-0.08	0.239	0.301
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Cheek	DSI2_Sim-Tx	26140	1860	15.00	16.00	1.259	0.1	0.721	0.908
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Tilted	DSI2_Sim-Tx	26140	1860	15.00	16.00	1.259	-0.11	0.361	0.454
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Cheek	DSI2_Sim-Tx	26340	1880	14.88	16.00	1.294	0.03	0.761	0.985
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Cheek	DSI2_Sim-Tx	26590	1905	14.75	16.00	1.334	0.05	0.590	0.787
	LTE Band 25_Ant2	20M	QPSK	100	0	Left Cheek	DSI2_Sim-Tx	26140	1860	14.86	16.00	1.300	0.07	0.691	0.898
	LTE Band 25_Ant1	20M	QPSK	1	0	Right Cheek	DSI4	26140	1860	22.87	24.00	1.297	0.05	0.072	0.093
	LTE Band 25_Ant1	20M	QPSK	1	0	Right Tilted	DSI4	26140	1860	22.87	24.00	1.297	0.13	0.066	0.086
	LTE Band 25_Ant1	20M	QPSK	1	0	Left Cheek	DSI4	26140	1860	22.87	24.00	1.297	0.09	0.100	0.129
	LTE Band 25_Ant1	20M	QPSK	1	0	Left Tilted	DSI4	26140	1860	22.87	24.00	1.297	0.12	0.069	0.090
	LTE Band 25_Ant1	20M	QPSK	50	0	Right Cheek	DSI4	26140	1860	21.94	23.00	1.276	0.04	0.044	0.056
	LTE Band 25_Ant1	20M	QPSK	50	0	Right Tilted	DSI4	26140	1860	21.94	23.00	1.276	-	n/a	n/a
	LTE Band 25_Ant1	20M	QPSK	50	0	Left Cheek	DSI4	26140	1860	21.94	23.00	1.276	0.16	0.050	0.064
	LTE Band 25_Ant1	20M	QPSK	50	0	Left Tilted	DSI4	26140	1860	21.94	23.00	1.276	0.13	0.043	0.055

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 30_Ant2	10M	QPSK	1	0	Right Cheek	DSI2_Standalone	27710	2310	16.01	17.30	1.346	0.09	0.270	0.363
	LTE Band 30_Ant2	10M	QPSK	1	0	Right Tilted	DSI2_Standalone	27710	2310	16.01	17.30	1.346	0.13	0.313	0.421
	LTE Band 30_Ant2	10M	QPSK	1	0	Left Cheek	DSI2_Standalone	27710	2310	16.01	17.30	1.346	-0.19	0.587	0.790
16	LTE Band 30_Ant2	10M	QPSK	1	0	Left Tilted	DSI2_Standalone	27710	2310	16.01	17.30	1.346	0.12	0.874	**1.176**
	LTE Band 30_Ant2	10M	QPSK	25	12	Right Cheek	DSI2_Standalone	27710	2310	15.71	17.30	1.442	0.03	0.255	0.368
	LTE Band 30_Ant2	10M	QPSK	25	12	Right Tilted	DSI2_Standalone	27710	2310	15.71	17.30	1.442	-0.05	0.288	0.415
	LTE Band 30_Ant2	10M	QPSK	25	12	Left Cheek	DSI2_Standalone	27710	2310	15.71	17.30	1.442	0.14	0.619	0.893
	LTE Band 30_Ant2	10M	QPSK	25	12	Left Tilted	DSI2_Standalone	27710	2310	15.71	17.30	1.442	-0.08	0.631	0.910
	LTE Band 30_Ant2	10M	QPSK	50	0	Left Cheek	DSI2_Standalone	27710	2310	15.67	17.30	1.455	0.14	0.616	0.897
	LTE Band 30_Ant2	10M	QPSK	50	0	Left Tilted	DSI2_Standalone	27710	2310	15.67	17.30	1.455	0.13	0.658	0.958
	LTE Band 30_Ant2	10M	QPSK	1	0	Right Cheek	DSI2_Sim-Tx	27710	2310	15.22	16.50	1.343	-0.13	0.173	0.232
	LTE Band 30_Ant2	10M	QPSK	1	0	Right Tilted	DSI2_Sim-Tx	27710	2310	15.22	16.50	1.343	0.16	0.203	0.273
	LTE Band 30_Ant2	10M	QPSK	1	0	Left Cheek	DSI2_Sim-Tx	27710	2310	15.22	16.50	1.343	-0.02	0.404	0.542
	LTE Band 30_Ant2	10M	QPSK	1	0	Left Tilted	DSI2_Sim-Tx	27710	2310	15.22	16.50	1.343	-0.05	0.645	0.866
	LTE Band 30_Ant2	10M	QPSK	25	12	Right Cheek	DSI2_Sim-Tx	27710	2310	14.86	16.50	1.459	0.07	0.171	0.249
	LTE Band 30_Ant2	10M	QPSK	25	12	Right Tilted	DSI2_Sim-Tx	27710	2310	14.86	16.50	1.459	0.19	0.197	0.287
	LTE Band 30_Ant2	10M	QPSK	25	12	Left Cheek	DSI2_Sim-Tx	27710	2310	14.86	16.50	1.459	-0.12	0.313	0.457
	LTE Band 30_Ant2	10M	QPSK	25	12	Left Tilted	DSI2_Sim-Tx	27710	2310	14.86	16.50	1.459	-0.08	0.412	0.601
	LTE Band 30_Ant2	10M	QPSK	50	0	Left Tilted	DSI2_Sim-Tx	27710	2310	14.76	16.50	1.493	-0.14	0.398	0.594
	LTE Band 30_Ant1	10M	QPSK	1	25	Right Cheek	DSI4	27710	2310	22.78	24.00	1.324	-0.18	0.034	0.044
	LTE Band 30_Ant1	10M	QPSK	1	25	Right Tilted	DSI4	27710	2310	22.78	24.00	1.324	0.19	0.021	0.028
	LTE Band 30_Ant1	10M	QPSK	1	25	Left Cheek	DSI4	27710	2310	22.78	24.00	1.324	0.08	0.048	0.063
	LTE Band 30_Ant1	10M	QPSK	1	25	Left Tilted	DSI4	27710	2310	22.78	24.00	1.324	0.19	0.033	0.044
	LTE Band 30_Ant1	10M	QPSK	25	12	Right Cheek	DSI4	27710	2310	21.80	23.00	1.318	-0.07	0.030	0.040
	LTE Band 30_Ant1	10M	QPSK	25	12	Right Tilted	DSI4	27710	2310	21.80	23.00	1.318	0.06	0.013	0.017
	LTE Band 30_Ant1	10M	QPSK	25	12	Left Cheek	DSI4	27710	2310	21.80	23.00	1.318	-0.09	0.033	0.043
	LTE Band 30_Ant1	10M	QPSK	25	12	Left Tilted	DSI4	27710	2310	21.80	23.00	1.318	0.05	0.018	0.024
	LTE Band 7_Ant1	20M	QPSK	1	99	Right Cheek	DSI4	21350	2560	22.71	24.00	1.346	0.07	0.051	0.069
	LTE Band 7_Ant1	20M	QPSK	1	99	Right Tilted	DSI4	21350	2560	22.71	24.00	1.346	0.1	0.046	0.062
17	LTE Band 7_Ant1	20M	QPSK	1	99	Left Cheek	DSI4	21350	2560	22.71	24.00	1.346	-0.05	0.066	**0.088**
	LTE Band 7_Ant1	20M	QPSK	1	99	Left Tilted	DSI4	21350	2560	22.71	24.00	1.346	-0.04	0.032	0.043
	LTE Band 7_Ant1	20M	QPSK	50	50	Right Cheek	DSI4	21350	2560	21.72	23.00	1.343	0.1	0.033	0.044
	LTE Band 7_Ant1	20M	QPSK	50	50	Right Tilted	DSI4	21350	2560	21.72	23.00	1.343	-0.12	0.026	0.035
	LTE Band 7_Ant1	20M	QPSK	50	50	Left Cheek	DSI4	21350	2560	21.72	23.00	1.343	-0.06	0.039	0.053
	LTE Band 7_Ant1	20M	QPSK	50	50	Left Tilted	DSI4	21350	2560	21.72	23.00	1.343	-0.17	0.021	0.028

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Power State	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_Ant1	20M	QPSK	1	99	Right Cheek	DSI4	41055	2636.5	22.73	24.00	1.340	62.9	1.006	-0.15	0.023	0.031
	LTE Band 41_Ant1	20M	QPSK	1	99	Right Tilted	DSI4	41055	2636.5	22.73	24.00	1.340	62.9	1.006	0.18	0.028	0.038
	LTE Band 41_Ant1	20M	QPSK	1	99	Left Cheek	DSI4	41055	2636.5	22.73	24.00	1.340	62.9	1.006	0.14	0.033	0.044
	LTE Band 41C_Ant1	20M	QPSK	1	99	Left Cheek	DSI4	41055(PCC)+ 41253(SCC)	2636.5(PCC)+ 2656.3(SCC)	22.84	24.00	1.306	62.9	1.006	0.02	0.023	0.030
	LTE Band 41_Ant1	20M	QPSK	1	99	Left Tilted	DSI4	41055	2636.5	22.73	24.00	1.340	62.9	1.006	-0.08	0.017	0.023
	LTE Band 41_Ant1	20M	QPSK	50	50	Right Cheek	DSI4	41055	2636.5	22.60	23.00	1.096	62.9	1.006	0.02	0.022	0.024
	LTE Band 41_Ant1	20M	QPSK	50	50	Right Tilted	DSI4	41055	2636.5	22.60	23.00	1.096	62.9	1.006	0.15	0.027	0.030
	LTE Band 41_Ant1	20M	QPSK	50	50	Left Cheek	DSI4	41055	2636.5	22.60	23.00	1.096	62.9	1.006	0.03	0.031	0.034
	LTE Band 41_Ant1	20M	QPSK	50	50	Left Tilted	DSI4	41055	2636.5	22.60	23.00	1.096	62.9	1.006	-0.18	0.015	0.017
	LTE Band 41PUE_Ant 1	20M	QPSK	1	99	Right Cheek	DSI4	41055	2636.5	26.30	27.00	1.175	42.9	1.009	0.09	0.036	0.043
	LTE Band 41PUE_Ant 1	20M	QPSK	1	99	Right Tilted	DSI4	41055	2636.5	26.30	27.00	1.175	42.9	1.009	-0.05	0.047	0.056
18	LTE Band 41PUE_Ant 1	20M	QPSK	1	99	Left Cheek	DSI4	41055	2636.5	26.30	27.00	1.175	42.9	1.009	-0.14	0.051	**0.060**
	LTE Band 41PUE_Ant 1	20M	QPSK	1	99	Left Tilted	DSI4	41055	2636.5	26.30	27.00	1.175	42.9	1.009	-0.14	0.028	0.033
	LTE Band 41PUE_Ant 1	20M	QPSK	50	50	Right Cheek	DSI4	41055	2636.5	24.66	26.00	1.361	42.9	1.009	0.11	0.022	0.030
	LTE Band 41PUE_Ant 1	20M	QPSK	50	50	Right Tilted	DSI4	41055	2636.5	24.66	26.00	1.361	42.9	1.009	0.02	0.032	0.044
	LTE Band 41PUE_Ant 1	20M	QPSK	50	50	Left Cheek	DSI4	41055	2636.5	24.66	26.00	1.361	42.9	1.009	-0.1	0.036	0.049
	LTE Band 41PUE_Ant 1	20M	QPSK	50	50	Left Tilted	DSI4	41055	2636.5	24.66	26.00	1.361	42.9	1.009	0.18	0.017	0.023
19	LTE Band 48_Ant4	20M	QPSK	1	0	Right Cheek	DSI4	55340	3560	22.58	24.00	1.387	62.9	1.006	0.19	0.311	**0.434**
	LTE Band 48C_Ant4	20M	QPSK	1	0	Right Cheek	DSI4	55340(PCC)+ 55538(SCC)	3560(PCC)+ 3579.8(SCC)	22.54	24.00	1.400	62.9	1.006	0.01	0.303	0.427
	LTE Band 48_Ant4	20M	QPSK	1	0	Right Tilted	DSI4	55340	3560	22.58	24.00	1.387	62.9	1.006	-0.05	0.193	0.269
	LTE Band 48_Ant4	20M	QPSK	1	0	Left Cheek	DSI4	55340	3560	22.58	24.00	1.387	62.9	1.006	0.01	0.200	0.279
	LTE Band 48_Ant4	20M	QPSK	1	0	Left Tilted	DSI4	55340	3560	22.58	24.00	1.387	62.9	1.006	-0.04	0.175	0.244
	LTE Band 48_Ant4	20M	QPSK	50	0	Right Cheek	DSI4	55340	3560	21.77	23.00	1.327	62.9	1.006	-0.18	0.159	0.212
	LTE Band 48_Ant4	20M	QPSK	50	0	Right Tilted	DSI4	55340	3560	21.77	23.00	1.327	62.9	1.006	-0.11	0.112	0.150
	LTE Band 48_Ant4	20M	QPSK	50	0	Left Cheek	DSI4	55340	3560	21.77	23.00	1.327	62.9	1.006	-0.1	0.116	0.155
	LTE Band 48_Ant4	20M	QPSK	50	0	Left Tilted	DSI4	55340	3560	21.77	23.00	1.327	62.9	1.006	-0.06	0.101	0.135

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Power State	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)
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Right Cheek	DSI4	136100	680.5	23.10	24.00	1.230	-0.07	0.605	0.744
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Right Tilted	DSI4	136100	680.5	23.10	24.00	1.230	-0.02	0.547	0.673
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Left Cheek	DSI4	136100	680.5	23.10	24.00	1.230	0.11	0.802	0.987
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Left Tilted	DSI4	136100	680.5	23.10	24.00	1.230	0.08	0.741	0.912
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Right Cheek	DSI4	136100	680.5	22.87	23.50	1.156	-0.04	0.655	0.757
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Right Tilted	DSI4	136100	680.5	22.87	23.50	1.156	-0.07	0.564	0.652
20	N71_Ant 2	20M	BPSK	50	28	DFT-15	Left Cheek	DSI4	136100	680.5	22.87	23.50	1.156	-0.04	0.858	**0.992**
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Left Tilted	DSI4	136100	680.5	22.87	23.50	1.156	0.11	0.831	0.961
	N71_Ant 2	20M	BPSK	100	0	DFT-15	Left Cheek	DSI4	136100	680.5	21.93	23.50	1.435	-0.09	0.654	0.939
	N71_Ant 2	20M	BPSK	100	0	DFT-15	Left Tilted	DSI4	136100	680.5	21.93	23.50	1.435	0.13	0.495	0.711
	N71_Ant 8	20M	BPSK	1	1	DFT-15	Right Cheek	DSI4	136100	680.5	22.86	24.00	1.300	0.08	0.031	0.040
	N71_Ant 8	20M	BPSK	1	1	DFT-15	Right Tilted	DSI4	136100	680.5	22.86	24.00	1.300	-0.12	0.011	0.014
	N71_Ant 8	20M	BPSK	1	1	DFT-15	Left Cheek	DSI4	136100	680.5	22.86	24.00	1.300	-0.19	0.033	0.042
	N71_Ant 8	20M	BPSK	1	1	DFT-15	Left Tilted	DSI4	136100	680.5	22.86	24.00	1.300	0.13	0.011	0.014
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Right Cheek	DSI4	136100	680.5	22.77	24.00	1.327	-0.02	0.039	0.052
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Right Tilted	DSI4	136100	680.5	22.77	24.00	1.327	-0.18	0.015	0.020
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Left Cheek	DSI4	136100	680.5	22.77	24.00	1.327	0.06	0.052	0.069
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Left Tilted	DSI4	136100	680.5	22.77	24.00	1.327	0.1	0.015	0.020
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Right Cheek	DSI4	141500	707.5	23.02	24.00	1.253	0.11	0.596	0.747
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Right Tilted	DSI4	141500	707.5	23.02	24.00	1.253	0.16	0.488	0.612
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Left Cheek	DSI4	141500	707.5	23.02	24.00	1.253	0.02	0.850	1.065
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Left Tilted	DSI4	141500	707.5	23.02	24.00	1.253	0.09	0.774	0.970
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Right Cheek	DSI4	141500	707.5	22.93	24.00	1.279	0.06	0.566	0.724
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Right Tilted	DSI4	141500	707.5	22.93	24.00	1.279	0.09	0.457	0.585
21	N12_Ant 2	15M	BPSK	36	0	DFT-15	Left Cheek	DSI4	141500	707.5	22.93	24.00	1.279	0.16	0.909	**1.163**
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Left Tilted	DSI4	141500	707.5	22.93	24.00	1.279	0.05	0.780	0.998
	N12_Ant 2	15M	BPSK	75	0	DFT-15	Left Cheek	DSI4	141500	707.5	22.82	24.00	1.312	0.09	0.596	0.782
	N12_Ant 2	15M	BPSK	75	0	DFT-15	Left Tilted	DSI4	141500	707.5	22.82	24.00	1.312	-0.03	0.510	0.669
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Right Cheek	DSI2_Sim-Tx	141500	707.5	22.40	23.50	1.288	0.05	0.467	0.602
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Right Tilted	DSI2_Sim-Tx	141500	707.5	22.40	23.50	1.288	0.11	0.395	0.509
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Sim-Tx	141500	707.5	22.40	23.50	1.288	0.13	0.627	0.808
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Sim-Tx	141500	707.5	22.40	23.50	1.288	-0.01	0.505	0.651
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Right Cheek	DSI2_Sim-Tx	141500	707.5	22.27	23.50	1.327	-0.03	0.479	0.636
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Right Tilted	DSI2_Sim-Tx	141500	707.5	22.27	23.50	1.327	0.1	0.403	0.535
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Left Cheek	DSI2_Sim-Tx	141500	707.5	22.27	23.50	1.327	0.09	0.616	0.818
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Left Tilted	DSI2_Sim-Tx	141500	707.5	22.27	23.50	1.327	-0.02	0.477	0.633
	N12_Ant 2	15M	BPSK	75	0	DFT-15	Left Cheek	DSI2_Sim-Tx	141500	707.5	22.17	23.50	1.358	-0.19	0.613	0.833

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Power State	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)
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Right Cheek	DSI2_Standalone	164800	824	22.42	23.30	1.225	-0.17	0.707	0.866
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Right Tilted	DSI2_Standalone	164800	824	22.42	23.30	1.225	-0.01	0.668	0.818
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Standalone	164800	824	22.42	23.30	1.225	0.04	0.789	0.966
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Standalone	164800	824	22.42	23.30	1.225	0.12	0.728	0.892
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Standalone	166300	831.5	22.24	23.30	1.276	0.19	0.713	0.910
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Standalone	167800	839	22.20	23.30	1.288	0.03	0.704	0.907
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Standalone	166300	831.5	22.24	23.30	1.276	0.02	0.649	0.828
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Standalone	167800	839	22.20	23.30	1.288	-0.12	0.708	0.912
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Right Cheek	DSI2_Standalone	166300	831.5	22.24	23.30	1.276	0.07	0.708	0.904
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Right Cheek	DSI2_Standalone	167800	839	22.20	23.30	1.288	-0.04	0.719	0.926
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Right Tilted	DSI2_Standalone	166300	831.5	22.24	23.30	1.276	0.09	0.681	0.869
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Right Tilted	DSI2_Standalone	167800	839	22.20	23.30	1.288	-0.1	0.712	0.917
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Right Cheek	DSI2_Standalone	164800	824	22.24	23.30	1.276	0.14	0.638	0.814
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Right Tilted	DSI2_Standalone	164800	824	22.24	23.30	1.276	0.18	0.650	0.830
22	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Cheek	DSI2_Standalone	164800	824	22.24	23.30	1.276	0.1	0.798	**1.019**
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Tilted	DSI2_Standalone	164800	824	22.24	23.30	1.276	-0.14	0.783	0.999
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Cheek	DSI2_Standalone	166300	831.5	22.14	23.30	1.306	0.16	0.611	0.798
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Cheek	DSI2_Standalone	167800	839	22.00	23.30	1.349	-0.19	0.673	0.908
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Tilted	DSI2_Standalone	166300	831.5	22.14	23.30	1.306	-0.1	0.572	0.747
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Tilted	DSI2_Standalone	167800	839	22.00	23.30	1.349	0.05	0.632	0.853
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Right Cheek	DSI2_Standalone	166300	831.5	22.14	23.30	1.306	-0.11	0.707	0.923
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Right Cheek	DSI2_Standalone	167800	839	22.00	23.30	1.349	-0.13	0.677	0.913
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Right Tilted	DSI2_Standalone	166300	831.5	22.14	23.30	1.306	0.08	0.686	0.896
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Right Tilted	DSI2_Standalone	167800	839	22.00	23.30	1.349	-0.04	0.706	0.952
	N26_Ant 2	20M	BPSK	100	0	DFT-15	Right Cheek	DSI2_Standalone	164800	824	22.09	23.30	1.321	-0.16	0.632	0.835
	N26_Ant 2	20M	BPSK	100	0	DFT-15	Right Tilted	DSI2_Standalone	164800	824	22.09	23.30	1.321	0.13	0.535	0.707
	N26_Ant 2	20M	BPSK	100	0	DFT-15	Left Cheek	DSI2_Standalone	164800	824	22.09	23.30	1.321	-0.17	0.672	0.888
	N26_Ant 2	20M	BPSK	100	0	DFT-15	Left Tilted	DSI2_Standalone	164800	824	22.09	23.30	1.321	0.06	0.671	0.887
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Right Cheek	DSI2_Sim-Tx	164800	824	21.48	22.50	1.265	-0.05	0.540	0.683
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Right Tilted	DSI2_Sim-Tx	164800	824	21.48	22.50	1.265	0.1	0.509	0.644
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Sim-Tx	164800	824	21.48	22.50	1.265	0.14	0.733	0.927
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Sim-Tx	164800	824	21.48	22.50	1.265	-0.12	0.534	0.675
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Sim-Tx	166300	831.5	21.34	22.50	1.306	0.01	0.616	0.805
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Sim-Tx	167800	839	21.38	22.50	1.294	-0.05	0.713	0.923
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Right Cheek	DSI2_Sim-Tx	164800	824	21.40	22.50	1.288	-0.06	0.570	0.734
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Right Tilted	DSI2_Sim-Tx	164800	824	21.40	22.50	1.288	-0.13	0.532	0.685
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Cheek	DSI2_Sim-Tx	164800	824	21.40	22.50	1.288	-0.02	0.748	0.964
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Tilted	DSI2_Sim-Tx	164800	824	21.40	22.50	1.288	0.07	0.529	0.681
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Cheek	DSI2_Sim-Tx	166300	831.5	21.34	22.50	1.306	-0.01	0.714	0.933
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Cheek	DSI2_Sim-Tx	167800	839	21.30	22.50	1.318	0.03	0.743	0.979
	N26_Ant 2	20M	BPSK	100	0	DFT-15	Left Cheek	DSI2_Sim-Tx	164800	824	21.06	22.50	1.393	-0.08	0.612	0.853
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Right Cheek	DSI4	164800	824	22.89	24.00	1.291	-0.09	0.085	0.110
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Right Tilted	DSI4	164800	824	22.89	24.00	1.291	-0.16	0.029	0.038
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Left Cheek	DSI4	164800	824	22.89	24.00	1.291	0.12	0.066	0.085
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Left Tilted	DSI4	164800	824	22.89	24.00	1.291	0.09	0.058	0.075
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Right Cheek	DSI4	164800	824	22.77	24.00	1.327	0.18	0.056	0.074
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Right Tilted	DSI4	164800	824	22.77	24.00	1.327	0.14	0.026	0.034
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Left Cheek	DSI4	164800	824	22.77	24.00	1.327	0.14	0.057	0.076
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Left Tilted	DSI4	164800	824	22.77	24.00	1.327	-0.01	0.047	0.062

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Power State	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)
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Right Cheek	DSI2_Standalone	346000	1730	15.36	16.10	1.186	-0.03	0.346	0.410
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Right Tilted	DSI2_Standalone	346000	1730	15.36	16.10	1.186	0.13	0.395	0.468
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Left Cheek	DSI2_Standalone	346000	1730	15.36	16.10	1.186	0.01	0.625	0.741
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Left Tilted	DSI2_Standalone	346000	1730	15.36	16.10	1.186	0.13	0.806	0.956
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Left Tilted	DSI2_Standalone	349000	1745	15.24	16.10	1.219	0.1	0.683	0.833
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Left Tilted	DSI2_Standalone	352000	1760	15.21	16.10	1.227	0.17	0.937	1.150
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Right Cheek	DSI2_Standalone	346000	1730	15.19	16.10	1.233	0.15	0.351	0.433
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Right Tilted	DSI2_Standalone	346000	1730	15.19	16.10	1.233	-0.05	0.411	0.507
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Cheek	DSI2_Standalone	346000	1730	15.19	16.10	1.233	-0.11	0.610	0.752
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Standalone	346000	1730	15.19	16.10	1.233	0.15	0.820	1.011
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Standalone	349000	1745	15.17	16.10	1.239	-0.11	0.823	1.020
23	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Standalone	352000	1760	15.11	16.10	1.256	0.18	0.944	**1.186**
	N66_Ant 2	40M	BPSK	216	0	DFT-15	Left Tilted	DSI2_Standalone	346000	1730	15.15	16.10	1.245	-0.04	0.767	0.955
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Right Cheek	DSI2_Sim-Tx	346000	1730	14.57	15.30	1.183	0.12	0.259	0.306
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Right Tilted	DSI2_Sim-Tx	346000	1730	14.57	15.30	1.183	-0.03	0.312	0.369
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Left Cheek	DSI2_Sim-Tx	346000	1730	14.57	15.30	1.183	0.15	0.620	0.733
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Left Tilted	DSI2_Sim-Tx	346000	1730	14.57	15.30	1.183	0.01	0.681	0.806
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Left Tilted	DSI2_Sim-Tx	349000	1745	14.50	15.30	1.202	-0.08	0.597	0.718
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Left Tilted	DSI2_Sim-Tx	352000	1760	14.48	15.30	1.208	-0.17	0.818	0.988
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Right Cheek	DSI2_Sim-Tx	346000	1730	14.55	15.30	1.189	-0.14	0.263	0.313
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Right Tilted	DSI2_Sim-Tx	346000	1730	14.55	15.30	1.189	0.07	0.321	0.382
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Cheek	DSI2_Sim-Tx	346000	1730	14.55	15.30	1.189	-0.11	0.480	0.570
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Sim-Tx	346000	1730	14.55	15.30	1.189	0.01	0.719	0.855
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Sim-Tx	349000	1745	14.52	15.30	1.197	0.01	0.787	0.942
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Sim-Tx	352000	1760	14.45	15.30	1.216	-0.02	0.808	0.983
	N66_Ant 2	40M	BPSK	216	0	DFT-15	Left Tilted	DSI2_Sim-Tx	346000	1730	14.41	15.30	1.227	0.08	0.615	0.755
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Right Cheek	DSI4	352000	1760	23.04	24.00	1.247	0.17	0.074	0.093
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Right Tilted	DSI4	352000	1760	23.04	24.00	1.247	0.1	0.055	0.068
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Left Cheek	DSI4	352000	1760	23.04	24.00	1.247	-0.18	0.073	0.092
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Left Tilted	DSI4	352000	1760	23.04	24.00	1.247	-0.14	0.064	0.080
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Right Cheek	DSI4	352000	1760	22.97	24.00	1.268	0.08	0.090	0.114
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Right Tilted	DSI4	352000	1760	22.97	24.00	1.268	0.03	0.069	0.087
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Left Cheek	DSI4	352000	1760	22.97	24.00	1.268	-0.14	0.081	0.102
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Left Tilted	DSI4	352000	1760	22.97	24.00	1.268	0.07	0.075	0.095

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Power State	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)
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Right Cheek	DSI2_Standalone	376500	1882.5	14.78	15.70	1.236	0.08	0.321	0.397
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Right Tilted	DSI2_Standalone	376500	1882.5	14.78	15.70	1.236	0.14	0.395	0.488
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Standalone	376500	1882.5	14.78	15.70	1.236	0.01	0.691	0.854
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Standalone	376500	1882.5	14.78	15.70	1.236	0.13	0.702	0.868
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Standalone	374000	1870	14.68	15.70	1.265	0.03	0.627	0.793
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Standalone	379000	1895	14.54	15.70	1.306	-0.18	0.668	0.873
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Standalone	374000	1870	14.68	15.70	1.265	0.19	0.644	0.814
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Standalone	379000	1895	14.54	15.70	1.306	0.08	0.734	0.959
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Right Cheek	DSI2_Standalone	376500	1882.5	14.49	15.70	1.321	-0.09	0.346	0.457
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Right Tilted	DSI2_Standalone	376500	1882.5	14.49	15.70	1.321	0.08	0.432	0.571
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Left Cheek	DSI2_Standalone	376500	1882.5	14.49	15.70	1.321	-0.07	0.746	0.986
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Standalone	376500	1882.5	14.49	15.70	1.321	0.16	0.850	1.123
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Left Cheek	DSI2_Standalone	374000	1870	14.43	15.70	1.340	0.07	0.714	0.957
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Left Cheek	DSI2_Standalone	379000	1895	14.41	15.70	1.346	-0.14	0.768	1.034
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Standalone	374000	1870	14.43	15.70	1.340	0.15	0.768	1.029
24	N25_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Standalone	379000	1895	14.41	15.70	1.346	-0.18	0.855	**1.151**
	N25_Ant 2	40M	BPSK	216	0	DFT-15	Left Cheek	DSI2_Standalone	376500	1882.5	14.55	15.70	1.303	0.07	0.746	0.972
	N25_Ant 2	40M	BPSK	216	0	DFT-15	Left Tilted	DSI2_Standalone	376500	1882.5	14.55	15.70	1.303	0.05	0.762	0.993
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Right Cheek	DSI2_Sim-Tx	376500	1882.5	13.31	14.40	1.285	0.03	0.229	0.294
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Right Tilted	DSI2_Sim-Tx	376500	1882.5	13.31	14.40	1.285	-0.07	0.285	0.366
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Sim-Tx	376500	1882.5	13.31	14.40	1.285	-0.07	0.488	0.627
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Sim-Tx	376500	1882.5	13.31	14.40	1.285	-0.06	0.492	0.632
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Right Cheek	DSI2_Sim-Tx	376500	1882.5	13.15	14.40	1.334	0.15	0.245	0.327
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Right Tilted	DSI2_Sim-Tx	376500	1882.5	13.15	14.40	1.334	-0.01	0.310	0.413
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Left Cheek	DSI2_Sim-Tx	376500	1882.5	13.15	14.40	1.334	-0.15	0.525	0.700
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	DSI2_Sim-Tx	376500	1882.5	13.15	14.40	1.334	-0.16	0.591	0.788
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Right Cheek	DSI4	374000	1870	22.85	24.00	1.303	0.03	0.052	0.067
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Right Tilted	DSI4	374000	1870	22.85	24.00	1.303	-0.18	0.034	0.044
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Left Cheek	DSI4	374000	1870	22.85	24.00	1.303	-0.09	0.053	0.069
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Left Tilted	DSI4	374000	1870	22.85	24.00	1.303	-0.07	0.049	0.064
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Right Cheek	DSI4	374000	1870	22.72	23.50	1.197	0.03	0.052	0.062
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Right Tilted	DSI4	374000	1870	22.72	23.50	1.197	0.17	0.035	0.041
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Left Cheek	DSI4	374000	1870	22.72	23.50	1.197	-0.01	0.059	0.071
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Left Tilted	DSI4	374000	1870	22.72	23.50	1.197	0.16	0.050	0.060

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Power State	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)
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Right Cheek	DSI2_Standalone	462000	2310	16.63	17.50	1.222	0.02	0.351	0.429
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Right Tilted	DSI2_Standalone	462000	2310	16.63	17.50	1.222	0.1	0.402	0.491
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Standalone	462000	2310	16.63	17.50	1.222	0.13	0.828	1.012
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Standalone	462000	2310	16.63	17.50	1.222	-0.15	0.915	1.118
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Right Cheek	DSI2_Standalone	462000	2310	16.54	17.50	1.247	-0.11	0.368	0.459
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Right Tilted	DSI2_Standalone	462000	2310	16.54	17.50	1.247	-0.17	0.416	0.519
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Left Cheek	DSI2_Standalone	462000	2310	16.54	17.50	1.247	0.17	0.832	1.038
25	N30_Ant 2	10M	BPSK	25	0	DFT-15	Left Tilted	DSI2_Standalone	462000	2310	16.54	17.50	1.247	0.13	0.918	**1.145**
	N30_Ant 2	10M	BPSK	50	0	DFT-15	Left Cheek	DSI2_Standalone	462000	2310	16.45	17.50	1.274	0.07	0.848	1.080
	N30_Ant 2	10M	BPSK	50	0	DFT-15	Left Tilted	DSI2_Standalone	462000	2310	16.45	17.50	1.274	-0.09	0.895	1.140
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Right Cheek	DSI2_Sim-Tx	462000	2310	15.90	16.70	1.202	0.07	0.347	0.417
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Right Tilted	DSI2_Sim-Tx	462000	2310	15.90	16.70	1.202	-0.19	0.414	0.498
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Left Cheek	DSI2_Sim-Tx	462000	2310	15.90	16.70	1.202	-0.19	0.741	0.891
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Left Tilted	DSI2_Sim-Tx	462000	2310	15.90	16.70	1.202	0.02	0.809	0.973
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Right Cheek	DSI2_Sim-Tx	462000	2310	15.73	16.70	1.250	0.08	0.348	0.435
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Right Tilted	DSI2_Sim-Tx	462000	2310	15.73	16.70	1.250	-0.16	0.408	0.510
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Left Cheek	DSI2_Sim-Tx	462000	2310	15.73	16.70	1.250	0.14	0.722	0.903
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Left Tilted	DSI2_Sim-Tx	462000	2310	15.73	16.70	1.250	-0.03	0.736	0.920
	N30_Ant 2	10M	BPSK	50	0	DFT-15	Left Cheek	DSI2_Sim-Tx	462000	2310	15.62	16.70	1.282	-0.03	0.767	0.984
	N30_Ant 2	10M	BPSK	50	0	DFT-15	Left Tilted	DSI2_Sim-Tx	462000	2310	15.62	16.70	1.282	0.06	0.750	0.962
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Right Cheek	DSI4	462000	2310	23.13	24.00	1.222	0.01	0.024	0.029
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Right Tilted	DSI4	462000	2310	23.13	24.00	1.222	-0.19	0.008	0.010
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Left Cheek	DSI4	462000	2310	23.13	24.00	1.222	-0.13	0.025	0.031
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Left Tilted	DSI4	462000	2310	23.13	24.00	1.222	-0.16	0.027	0.033
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Right Cheek	DSI4	462000	2310	23.09	24.00	1.233	0.13	0.027	0.034
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Right Tilted	DSI4	462000	2310	23.09	24.00	1.233	0.11	0.014	0.018
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Left Cheek	DSI4	462000	2310	23.09	24.00	1.233	-0.14	0.037	0.046
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Left Tilted	DSI4	462000	2310	23.09	24.00	1.233	0.17	0.022	0.027
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Right Cheek	DSI4	509202	2546.01	23.35	24.00	1.161	0.04	0.039	0.045
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Right Tilted	DSI4	509202	2546.01	23.35	24.00	1.161	-0.07	0.047	0.054
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Left Cheek	DSI4	509202	2546.01	23.35	24.00	1.161	0.03	0.055	0.064
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Left Tilted	DSI4	509202	2546.01	23.35	24.00	1.161	0.14	0.026	0.030
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Right Cheek	DSI4	509202	2546.01	23.17	24.00	1.211	0.11	0.036	0.044
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Right Tilted	DSI4	509202	2546.01	23.17	24.00	1.211	-0.02	0.041	0.050
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Left Cheek	DSI4	509202	2546.01	23.17	24.00	1.211	0.16	0.048	0.058
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Left Tilted	DSI4	509202	2546.01	23.17	24.00	1.211	-0.19	0.026	0.031
	N41 HPUE_Ant 1	100M	BPSK	1	1	DFT-30	Right Cheek	DSI4	509202	2546.01	25.56	27.00	1.393	-0.14	0.042	0.059
	N41 HPUE_Ant 1	100M	BPSK	1	1	DFT-30	Right Tilted	DSI4	509202	2546.01	25.56	27.00	1.393	0.07	0.031	0.044
	N41 HPUE_Ant 1	100M	BPSK	1	1	DFT-30	Left Cheek	DSI4	509202	2546.01	25.56	27.00	1.393	-0.18	0.048	0.067
	N41 HPUE_Ant 1	100M	BPSK	1	1	DFT-30	Left Tilted	DSI4	509202	2546.01	25.56	27.00	1.393	-0.03	0.034	0.048
	N41 HPUE_Ant 1	100M	BPSK	135	0	DFT-30	Right Cheek	DSI4	509202	2546.01	25.40	27.00	1.445	-0.15	0.054	0.078
	N41 HPUE_Ant 1	100M	BPSK	135	0	DFT-30	Right Tilted	DSI4	509202	2546.01	25.40	27.00	1.445	0.18	0.045	0.065
26	N41 HPUE_Ant 1	100M	BPSK	135	0	DFT-30	Left Cheek	DSI4	509202	2546.01	25.40	27.00	1.445	0.16	0.061	**0.088**
	N41 HPUE_Ant 1	100M	BPSK	135	0	DFT-30	Left Tilted	DSI4	509202	2546.01	25.40	27.00	1.445	0.19	0.039	0.057

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
27	N77_Ant 4	100M	BPSK	1	137	DFT-30	Right Cheek	DSI4	650000	3750	23.31	24.00	1.172	-0.07	0.712	**0.835**
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Right Tilted	DSI4	650000	3750	23.31	24.00	1.172	-0.05	0.622	0.729
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Left Cheek	DSI4	650000	3750	23.31	24.00	1.172	-0.1	0.508	0.595
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Left Tilted	DSI4	650000	3750	23.31	24.00	1.172	0.05	0.527	0.618
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Right Cheek	DSI4	656000	3840	23.08	24.00	1.236	-0.18	0.659	0.814
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Right Cheek	DSI4	662000	3930	22.76	24.00	1.330	0.06	0.447	0.595
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Right Tilted	DSI4	656000	3840	23.08	24.00	1.236	-0.18	0.545	0.674
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Right Tilted	DSI4	662000	3930	22.76	24.00	1.330	0.06	0.395	0.526
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Right Cheek	DSI4	650000	3750	23.26	24.00	1.186	-0.04	0.703	0.834
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Right Tilted	DSI4	650000	3750	23.26	24.00	1.186	-0.09	0.631	0.748
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Left Cheek	DSI4	650000	3750	23.26	24.00	1.186	0.12	0.425	0.504
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Left Tilted	DSI4	650000	3750	23.26	24.00	1.186	0.01	0.480	0.569
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Right Cheek	DSI4	656000	3840	23.06	24.00	1.242	0.06	0.637	0.791
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Right Cheek	DSI4	662000	3930	22.74	24.00	1.337	0.16	0.509	0.680
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Right Tilted	DSI4	656000	3840	23.06	24.00	1.242	0.06	0.507	0.630
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Right Tilted	DSI4	662000	3930	22.74	24.00	1.337	0.16	0.419	0.560
	N77_Ant 4	100M	BPSK	270	0	DFT-30	Right Cheek	DSI4	662000	3930	22.67	23.50	1.211	0.02	0.684	0.828
	N77_Ant 4	100M	BPSK	270	0	DFT-30	Right Cheek	DSI4	662000	3930	22.67	23.50	1.211	0.02	0.582	0.705
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Right Cheek	DSI4	650000	3750	23.09	24.00	1.233	-0.14	0.660	0.814
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Right Tilted	DSI4	650000	3750	23.09	24.00	1.233	0.09	0.621	0.766
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Left Cheek	DSI4	650000	3750	23.09	24.00	1.233	0.04	0.449	0.554
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Left Tilted	DSI4	650000	3750	23.09	24.00	1.233	0.09	0.470	0.580
28	N78_Ant 4	100M	BPSK	135	69	DFT-30	Right Cheek	DSI4	650000	3750	22.93	24.00	1.279	-0.04	0.660	**0.844**
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Right Tilted	DSI4	650000	3750	22.93	24.00	1.279	-0.15	0.623	0.797
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Left Cheek	DSI4	650000	3750	22.93	24.00	1.279	0.05	0.437	0.559
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Left Tilted	DSI4	650000	3750	22.93	24.00	1.279	0.04	0.457	0.585
	N78_Ant 4	100M	BPSK	270	0	DFT-30	Right Cheek	DSI4	650000	3750	22.39	23.50	1.291	0.06	0.650	0.839

<WLAN2.4G SAR>

Plot No.	Band	Mode	Test Position	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	Reduced_Standalone	6	2437	19.10	20.50	1.380	99.31	1.007	-0.05	0.836	1.162
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	Reduced_Standalone	6	2437	19.10	20.50	1.380	99.31	1.007	0.02	0.640	0.890
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	Reduced_Standalone	6	2437	19.10	20.50	1.380	99.31	1.007	-0.06	0.447	0.621
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	Reduced_Standalone	6	2437	19.10	20.50	1.380	99.31	1.007	0.06	0.421	0.585
29	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	Reduced_Standalone	1	2412	19.10	20.50	1.380	99.31	1.007	0.05	0.859	**1.194**
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	Reduced_Standalone	11	2462	19.10	20.50	1.380	99.31	1.007	0.02	0.760	1.056
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	Reduced_Standalone	1	2412	19.10	20.50	1.380	99.31	1.007	0.03	0.485	0.674
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	Reduced_Standalone	11	2462	19.10	20.50	1.380	99.31	1.007	0.07	0.459	0.638
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	Reduced_Sim-Tx	6	2437	14.60	16.00	1.380	99.31	1.007	0.01	0.307	0.427
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	Reduced_Sim-Tx	6	2437	14.60	16.00	1.380	99.31	1.007	0.02	0.262	0.364
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	Reduced_Sim-Tx	6	2437	14.60	16.00	1.380	99.31	1.007	0.11	0.149	0.207
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	Reduced_Sim-Tx	6	2437	14.60	16.00	1.380	99.31	1.007	0.14	0.143	0.199

<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Power Reduction	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)
	WLAN5.3GHz	802.11a 6Mbps	Right Cheek	Full	52	5260	18.29	20.00	1.483	98.28	1.018	0.03	0.145	0.219
	WLAN5.3GHz	802.11a 6Mbps	Right Tilted	Full	52	5260	18.29	20.00	1.483	98.28	1.018	-0.01	0.158	0.238
	WLAN5.3GHz	802.11a 6Mbps	Left Cheek	Full	52	5260	18.29	20.00	1.483	98.28	1.018	0.05	0.154	0.232
30	WLAN5.3GHz	802.11a 6Mbps	Left Tilted	Full	52	5260	18.29	20.00	1.483	98.28	1.018	-0.14	0.188	**0.284**
	WLAN5.5GHz	802.11a 6Mbps	Right Cheek	Full	100	5500	17.72	19.00	1.343	98.28	1.018	0.02	0.118	0.161
	WLAN5.5GHz	802.11a 6Mbps	Right Tilted	Full	100	5500	17.72	19.00	1.343	98.28	1.018	0.11	0.122	0.167
	WLAN5.5GHz	802.11a 6Mbps	Left Cheek	Full	100	5500	17.72	19.00	1.343	98.28	1.018	0.12	0.121	0.165
31	WLAN5.5GHz	802.11a 6Mbps	Left Tilted	Full	100	5500	17.72	19.00	1.343	98.28	1.018	0.13	0.126	**0.172**
	WLAN5.8GHz	802.11a 6Mbps	Right Cheek	Full	165	5825	18.82	20.00	1.312	98.28	1.018	0.11	0.141	0.188
	WLAN5.8GHz	802.11a 6Mbps	Right Tilted	Full	165	5825	18.82	20.00	1.312	98.28	1.018	0.12	0.231	0.309
	WLAN5.8GHz	802.11a 6Mbps	Left Cheek	Full	165	5825	18.82	20.00	1.312	98.28	1.018	0.14	0.228	0.305
32	WLAN5.8GHz	802.11a 6Mbps	Left Tilted	Full	165	5825	18.82	20.00	1.312	98.28	1.018	0.15	0.244	**0.326**

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Power Reduction	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)
33	Bluetooth	DH5 1Mbps	Right Cheek	Full	0	2402	11.10	12.00	1.230	76.6	1.305	-0.17	0.037	**0.059**
	Bluetooth	DH5 1Mbps	Right Tilted	Full	0	2402	11.10	12.00	1.230	76.6	1.305	0.08	0.035	0.056
	Bluetooth	DH5 1Mbps	Left Cheek	Full	0	2402	11.10	12.00	1.230	76.6	1.305	-0.12	0.021	0.034
	Bluetooth	DH5 1Mbps	Left Tilted	Full	0	2402	11.10	12.00	1.230	76.6	1.305	0.02	0.024	0.039

16.2 Hotspot SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	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_Ant8	GPRS(3 Tx slots)	Front	5mm	DSI3_Sim-Tx	189	836.4	28.50	29.40	1.230	-0.02	0.299	0.368
34	GSM850_Ant8	GPRS(3 Tx slots)	Back	5mm	DSI3_Sim-Tx	189	836.4	28.50	29.40	1.230	0.01	0.959	**1.180**
	GSM850_Ant8	GPRS(3 Tx slots)	Left Side	5mm	DSI3_Sim-Tx	189	836.4	28.50	29.40	1.230	-0.19	0.228	0.281
	GSM850_Ant8	GPRS(3 Tx slots)	Right Side	5mm	DSI3_Sim-Tx	189	836.4	28.50	29.40	1.230	0.09	0.102	0.125
	GSM850_Ant8	GPRS(3 Tx slots)	Bottom Side	5mm	DSI3_Sim-Tx	189	836.4	28.50	29.40	1.230	-0.09	0.455	0.560
	GSM850_Ant8	GPRS(3 Tx slots)	Back	5mm	DSI3_Sim-Tx	128	824.2	28.41	29.40	1.256	-0.19	0.873	1.097
	GSM850_Ant8	GPRS(3 Tx slots)	Back	5mm	DSI3_Sim-Tx	251	848.8	28.05	29.40	1.365	-0.09	0.855	1.167
	GSM1900_Ant1	GPRS(3 Tx slots)	Front	5mm	DSI3_Sim-Tx	512	1850.2	22.40	23.30	1.230	-0.16	0.378	0.465
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	5mm	DSI3_Sim-Tx	512	1850.2	22.40	23.30	1.230	0.09	0.668	0.822
	GSM1900_Ant1	GPRS(3 Tx slots)	Left Side	5mm	DSI3_Sim-Tx	512	1850.2	22.40	23.30	1.230	-0.15	0.042	0.052
	GSM1900_Ant1	GPRS(3 Tx slots)	Right Side	5mm	DSI3_Sim-Tx	512	1850.2	22.40	23.30	1.230	0.19	0.047	0.058
	GSM1900_Ant1	GPRS(3 Tx slots)	Bottom Side	5mm	DSI3_Sim-Tx	512	1850.2	22.40	23.30	1.230	-0.02	0.934	1.149
	GSM1900_Ant1	GPRS(3 Tx slots)	Bottom Side	5mm	DSI3_Sim-Tx	661	1880	22.39	23.30	1.233	-0.01	0.943	1.163
35	GSM1900_Ant1	GPRS(3 Tx slots)	Bottom Side	5mm	DSI3_Sim-Tx	810	1909.8	22.30	23.30	1.259	-0.17	0.937	**1.180**
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	5mm	DSI3_Sim-Tx	661	1880	22.39	23.30	1.233	0.13	0.738	0.910
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	5mm	DSI3_Sim-Tx	810	1909.8	22.30	23.30	1.259	0.15	0.647	0.815

<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	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)
	CDMA BC0_Ant8	RTAP 153.6Kbps	Front	5mm	DSI3_Sim-Tx	384	836.52	20.55	22.00	1.396	0.18	0.161	0.225
	CDMA BC0_Ant8	RTAP 153.6Kbps	Back	5mm	DSI3_Sim-Tx	384	836.52	20.55	22.00	1.396	-0.18	0.666	0.930
	CDMA BC0_Ant8	RTAP 153.6Kbps	Left Side	5mm	DSI3_Sim-Tx	384	836.52	20.55	22.00	1.396	0.06	0.127	0.177
	CDMA BC0_Ant8	RTAP 153.6Kbps	Right Side	5mm	DSI3_Sim-Tx	384	836.52	20.55	22.00	1.396	-	n/a	n/a
	CDMA BC0_Ant8	RTAP 153.6Kbps	Bottom Side	5mm	DSI3_Sim-Tx	384	836.52	20.55	22.00	1.396	-0.19	0.281	0.392
36	CDMA BC0_Ant8	RTAP 153.6Kbps	Back	5mm	DSI3_Sim-Tx	1013	824.7	20.50	22.00	1.413	0.14	0.748	**1.057**
	CDMA BC0_Ant8	RTAP 153.6Kbps	Back	5mm	DSI3_Sim-Tx	777	848.31	20.45	22.00	1.429	-0.13	0.617	0.882
	CDMA BC10_Ant8	RTAP 153.6Kbps	Front	5mm	DSI3_Sim-Tx	580	820.5	21.42	22.70	1.343	-0.01	0.188	0.252
	CDMA BC10_Ant8	RTAP 153.6Kbps	Back	5mm	DSI3_Sim-Tx	580	820.5	21.42	22.70	1.343	-0.02	0.858	1.152
	CDMA BC10_Ant8	RTAP 153.6Kbps	Left Side	5mm	DSI3_Sim-Tx	580	820.5	21.42	22.70	1.343	0.16	0.154	0.207
	CDMA BC10_Ant8	RTAP 153.6Kbps	Right Side	5mm	DSI3_Sim-Tx	580	820.5	21.42	22.70	1.343	0.03	0.042	0.056
	CDMA BC10_Ant8	RTAP 153.6Kbps	Bottom Side	5mm	DSI3_Sim-Tx	580	820.5	21.42	22.70	1.343	-0.07	0.355	0.477
	CDMA BC10_Ant8	RTAP 153.6Kbps	Back	5mm	DSI3_Sim-Tx	476	817.9	21.40	22.70	1.349	-0.15	0.821	1.107
37	CDMA BC10_Ant8	RTAP 153.6Kbps	Back	5mm	DSI3_Sim-Tx	684	823.1	21.38	22.70	1.355	0.16	0.876	**1.187**
	CDMA BC1_Ant1	RTAP 153.6Kbps	Front	5mm	DSI3_Sim-Tx	25	1851.25	14.93	16.40	1.403	0.12	0.308	0.432
	CDMA BC1_Ant1	RTAP 153.6Kbps	Back	5mm	DSI3_Sim-Tx	25	1851.25	14.93	16.40	1.403	0.09	0.481	0.675
	CDMA BC1_Ant1	RTAP 153.6Kbps	Left Side	5mm	DSI3_Sim-Tx	25	1851.25	14.93	16.40	1.403	-	n/a	n/a
	CDMA BC1_Ant1	RTAP 153.6Kbps	Right Side	5mm	DSI3_Sim-Tx	25	1851.25	14.93	16.40	1.403	-	n/a	n/a
	CDMA BC1_Ant1	RTAP 153.6Kbps	Bottom Side	5mm	DSI3_Sim-Tx	25	1851.25	14.93	16.40	1.403	-0.01	0.745	1.045
	CDMA BC1_Ant1	RTAP 153.6Kbps	Bottom Side	5mm	DSI3_Sim-Tx	600	1880	14.84	16.40	1.432	0.13	0.784	1.123
38	CDMA BC1_Ant1	RTAP 153.6Kbps	Bottom Side	5mm	DSI3_Sim-Tx	1175	1908.75	14.73	16.40	1.469	0.12	0.768	**1.128**

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	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 V_Ant8	RMC 12.2Kbps	Front	5mm	DSI3_Sim-Tx	4182	836.4	21.52	22.50	1.253	0.15	0.181	0.227
	WCDMA V_Ant8	RMC 12.2Kbps	Back	5mm	DSI3_Sim-Tx	4182	836.4	21.52	22.50	1.253	-0.03	0.700	0.877
	WCDMA V_Ant8	RMC 12.2Kbps	Left Side	5mm	DSI3_Sim-Tx	4182	836.4	21.52	22.50	1.253	-0.09	0.144	0.180
	WCDMA V_Ant8	RMC 12.2Kbps	Right Side	5mm	DSI3_Sim-Tx	4182	836.4	21.52	22.50	1.253	-0.05	0.084	0.105
	WCDMA V_Ant8	RMC 12.2Kbps	Bottom Side	5mm	DSI3_Sim-Tx	4182	836.4	21.52	22.50	1.253	-0.03	0.263	0.330
39	WCDMA V_Ant8	RMC 12.2Kbps	Back	5mm	DSI3_Sim-Tx	4132	826.4	21.40	22.50	1.288	-0.13	0.731	**0.942**
	WCDMA V_Ant8	RMC 12.2Kbps	Back	5mm	DSI3_Sim-Tx	4233	846.6	21.50	22.50	1.259	0.05	0.603	0.759
	WCDMA IV_Ant1	RMC 12.2Kbps	Front	5mm	DSI3_Sim-Tx	1413	1732.6	16.03	16.90	1.222	-0.05	0.288	0.352
	WCDMA IV_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Sim-Tx	1413	1732.6	16.03	16.90	1.222	-0.19	0.461	0.563
	WCDMA IV_Ant1	RMC 12.2Kbps	Left Side	5mm	DSI3_Sim-Tx	1413	1732.6	16.03	16.90	1.222	-	n/a	n/a
	WCDMA IV_Ant1	RMC 12.2Kbps	Right Side	5mm	DSI3_Sim-Tx	1413	1732.6	16.03	16.90	1.222	-	n/a	n/a
	WCDMA IV_Ant1	RMC 12.2Kbps	Bottom Side	5mm	DSI3_Sim-Tx	1413	1732.6	16.03	16.90	1.222	-0.05	0.811	0.991
	WCDMA IV_Ant1	RMC 12.2Kbps	Bottom Side	5mm	DSI3_Sim-Tx	1312	1712.4	15.90	16.90	1.259	-0.18	0.748	0.942
40	WCDMA IV_Ant1	RMC 12.2Kbps	Bottom Side	5mm	DSI3_Sim-Tx	1513	1752.6	15.88	16.90	1.265	0.11	0.784	**0.992**
	WCDMA II_Ant1	RMC 12.2Kbps	Front	5mm	DSI3_Sim-Tx	9262	1852.4	14.55	15.40	1.216	0.16	0.310	0.377
	WCDMA II_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Sim-Tx	9262	1852.4	14.55	15.40	1.216	-0.16	0.439	0.534
	WCDMA II_Ant1	RMC 12.2Kbps	Left Side	5mm	DSI3_Sim-Tx	9262	1852.4	14.55	15.40	1.216	-	n/a	n/a
	WCDMA II_Ant1	RMC 12.2Kbps	Right Side	5mm	DSI3_Sim-Tx	9262	1852.4	14.55	15.40	1.216	-	n/a	n/a
	WCDMA II_Ant1	RMC 12.2Kbps	Bottom Side	5mm	DSI3_Sim-Tx	9262	1852.4	14.55	15.40	1.216	0.02	0.687	0.836
	WCDMA II_Ant1	RMC 12.2Kbps	Bottom Side	5mm	DSI3_Sim-Tx	9400	1880	14.50	15.40	1.230	-0.14	0.649	0.798
41	WCDMA II_Ant1	RMC 12.2Kbps	Bottom Side	5mm	DSI3_Sim-Tx	9538	1907.6	14.22	15.40	1.312	0.05	0.796	**1.045**
	WCDMA II_Ant1	RMC 12.2Kbps	Bottom Side	5mm	DSI3_Sim-Tx	9538	1907.6	14.22	15.40	1.312	-0.05	0.694	0.911

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant2	20M	QPSK	1	0	Front	5mm	DSI4	133322	683	23.10	24.00	1.230	-0.03	0.420	0.517
	LTE Band 71_Ant2	20M	QPSK	1	0	Back	5mm	DSI4	133322	683	23.10	24.00	1.230	-0.15	0.518	0.637
	LTE Band 71_Ant2	20M	QPSK	1	0	Left Side	5mm	DSI4	133322	683	23.10	24.00	1.230	0.11	0.138	0.170
	LTE Band 71_Ant2	20M	QPSK	1	0	Right Side	5mm	DSI4	133322	683	23.10	24.00	1.230	0.15	0.514	0.632
	LTE Band 71_Ant2	20M	QPSK	1	0	Top Side	5mm	DSI4	133322	683	23.10	24.00	1.230	0.16	0.556	0.684
	LTE Band 71_Ant2	20M	QPSK	50	0	Front	5mm	DSI4	133322	683	22.18	23.00	1.208	0.02	0.251	0.303
	LTE Band 71_Ant2	20M	QPSK	50	0	Back	5mm	DSI4	133322	683	22.18	23.00	1.208	-0.15	0.268	0.324
	LTE Band 71_Ant2	20M	QPSK	50	0	Left Side	5mm	DSI4	133322	683	22.18	23.00	1.208	-0.03	0.084	0.102
	LTE Band 71_Ant2	20M	QPSK	50	0	Right Side	5mm	DSI4	133322	683	22.18	23.00	1.208	-0.08	0.264	0.319
	LTE Band 71_Ant2	20M	QPSK	50	0	Top Side	5mm	DSI4	133322	683	22.18	23.00	1.208	0.11	0.272	0.329
	LTE Band 71_Ant8	20M	QPSK	1	0	Front	5mm	DSI4	133322	683	22.86	24.00	1.300	0.02	0.169	0.220
42	LTE Band 71_Ant8	20M	QPSK	1	0	Back	5mm	DSI4	133322	683	22.86	24.00	1.300	-0.11	0.609	**0.792**
	LTE Band 71_Ant8	20M	QPSK	1	0	Left Side	5mm	DSI4	133322	683	22.86	24.00	1.300	0.14	0.277	0.360
	LTE Band 71_Ant8	20M	QPSK	1	0	Right Side	5mm	DSI4	133322	683	22.86	24.00	1.300	-0.09	0.103	0.134
	LTE Band 71_Ant8	20M	QPSK	1	0	Bottom Side	5mm	DSI4	133322	683	22.86	24.00	1.300	-0.18	0.305	0.397
	LTE Band 71_Ant8	20M	QPSK	50	0	Front	5mm	DSI4	133322	683	21.96	23.00	1.271	0.07	0.079	0.100
	LTE Band 71_Ant8	20M	QPSK	50	0	Back	5mm	DSI4	133322	683	21.96	23.00	1.271	-0.05	0.562	0.714
	LTE Band 71_Ant8	20M	QPSK	50	0	Left Side	5mm	DSI4	133322	683	21.96	23.00	1.271	-0.12	0.175	0.222
	LTE Band 71_Ant8	20M	QPSK	50	0	Right Side	5mm	DSI4	133322	683	21.96	23.00	1.271	0.13	0.062	0.079
	LTE Band 71_Ant8	20M	QPSK	50	0	Bottom Side	5mm	DSI4	133322	683	21.96	23.00	1.271	0.04	0.203	0.258
	LTE Band 12_Ant2	10M	QPSK	1	49	Front	5mm	DSI3_Sim-Tx	23095	707.5	21.96	23.10	1.300	0.15	0.240	0.312
	LTE Band 12_Ant2	10M	QPSK	1	49	Back	5mm	DSI3_Sim-Tx	23095	707.5	21.96	23.10	1.300	-0.08	0.422	0.549
	LTE Band 12_Ant2	10M	QPSK	1	49	Left Side	5mm	DSI3_Sim-Tx	23095	707.5	21.96	23.10	1.300	0.06	0.135	0.176
	LTE Band 12_Ant2	10M	QPSK	1	49	Right Side	5mm	DSI3_Sim-Tx	23095	707.5	21.96	23.10	1.300	-0.11	0.324	0.421
	LTE Band 12_Ant2	10M	QPSK	1	49	Top Side	5mm	DSI3_Sim-Tx	23095	707.5	21.96	23.10	1.300	0.18	0.471	0.612
	LTE Band 12_Ant2	10M	QPSK	25	25	Front	5mm	DSI3_Sim-Tx	23095	707.5	21.89	23.00	1.291	0.16	0.251	0.324
	LTE Band 12_Ant2	10M	QPSK	25	25	Back	5mm	DSI3_Sim-Tx	23095	707.5	21.89	23.00	1.291	-0.05	0.436	0.563
	LTE Band 12_Ant2	10M	QPSK	25	25	Left Side	5mm	DSI3_Sim-Tx	23095	707.5	21.89	23.00	1.291	0.06	0.141	0.182
	LTE Band 12_Ant2	10M	QPSK	25	25	Right Side	5mm	DSI3_Sim-Tx	23095	707.5	21.89	23.00	1.291	-0.07	0.333	0.430
	LTE Band 12_Ant2	10M	QPSK	25	25	Top Side	5mm	DSI3_Sim-Tx	23095	707.5	21.89	23.00	1.291	0.14	0.522	0.674
	LTE Band 12_Ant8	10M	QPSK	1	49	Front	5mm	DSI4	23095	707.5	22.93	24.00	1.279	-0.09	0.217	0.278
43	LTE Band 12_Ant8	10M	QPSK	1	49	Back	5mm	DSI4	23095	707.5	22.93	24.00	1.279	-0.04	0.725	**0.928**
	LTE Band 12_Ant8	10M	QPSK	1	49	Left Side	5mm	DSI4	23095	707.5	22.93	24.00	1.279	-0.15	0.367	0.470
	LTE Band 12_Ant8	10M	QPSK	1	49	Right Side	5mm	DSI4	23095	707.5	22.93	24.00	1.279	-0.13	0.089	0.114
	LTE Band 12_Ant8	10M	QPSK	1	49	Bottom Side	5mm	DSI4	23095	707.5	22.93	24.00	1.279	0.1	0.374	0.478
	LTE Band 12_Ant8	10M	QPSK	25	25	Front	5mm	DSI4	23095	707.5	22.24	23.00	1.191	0.18	0.129	0.154
	LTE Band 12_Ant8	10M	QPSK	25	25	Back	5mm	DSI4	23095	707.5	22.24	23.00	1.191	0.04	0.558	0.665
	LTE Band 12_Ant8	10M	QPSK	25	25	Left Side	5mm	DSI4	23095	707.5	22.24	23.00	1.191	0.08	0.228	0.272
	LTE Band 12_Ant8	10M	QPSK	25	25	Right Side	5mm	DSI4	23095	707.5	22.24	23.00	1.191	0.17	0.054	0.065
	LTE Band 12_Ant8	10M	QPSK	25	25	Bottom Side	5mm	DSI4	23095	707.5	22.24	23.00	1.191	-0.13	0.234	0.279
	LTE Band 12_Ant8	10M	QPSK	50	0	Back	5mm	DSI4	23095	707.5	22.13	23.00	1.222	0.05	0.654	0.799

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant2	10M	QPSK	1	49	Front	5mm	DSI4	23230	782	23.91	24.00	1.021	-0.03	0.398	0.406
	LTE Band 13_Ant2	10M	QPSK	1	49	Back	5mm	DSI4	23230	782	23.91	24.00	1.021	-0.06	0.525	0.536
	LTE Band 13_Ant2	10M	QPSK	1	49	Left Side	5mm	DSI4	23230	782	23.91	24.00	1.021	-0.07	0.223	0.228
	LTE Band 13_Ant2	10M	QPSK	1	49	Right Side	5mm	DSI4	23230	782	23.91	24.00	1.021	-0.14	0.439	0.448
	LTE Band 13_Ant2	10M	QPSK	1	49	Top Side	5mm	DSI4	23230	782	23.91	24.00	1.021	-0.01	0.576	0.588
	LTE Band 13_Ant2	10M	QPSK	25	25	Front	5mm	DSI4	23230	782	22.87	23.00	1.030	0.19	0.269	0.277
	LTE Band 13_Ant2	10M	QPSK	25	25	Back	5mm	DSI4	23230	782	22.87	23.00	1.030	0.18	0.348	0.359
	LTE Band 13_Ant2	10M	QPSK	25	25	Left Side	5mm	DSI4	23230	782	22.87	23.00	1.030	0.19	0.177	0.182
	LTE Band 13_Ant2	10M	QPSK	25	25	Right Side	5mm	DSI4	23230	782	22.87	23.00	1.030	-0.05	0.297	0.306
	LTE Band 13_Ant2	10M	QPSK	25	25	Top Side	5mm	DSI4	23230	782	22.87	23.00	1.030	0.06	0.421	0.434
	LTE Band 13_Ant8	10M	QPSK	1	49	Front	5mm	DSI3	23230	782	20.93	22.20	1.340	0.05	0.253	0.339
	LTE Band 13_Ant8	10M	QPSK	1	49	Back	5mm	DSI3	23230	782	20.93	22.20	1.340	-0.17	0.738	0.989
	LTE Band 13_Ant8	10M	QPSK	1	49	Left Side	5mm	DSI3_Sim-Tx	23230	782	20.93	22.20	1.340	-0.13	0.217	0.291
	LTE Band 13_Ant8	10M	QPSK	1	49	Right Side	5mm	DSI3_Sim-Tx	23230	782	20.93	22.20	1.340	-0.09	0.108	0.145
	LTE Band 13_Ant8	10M	QPSK	1	49	Bottom Side	5mm	DSI3_Sim-Tx	23230	782	20.93	22.20	1.340	-0.04	0.527	0.706
	LTE Band 13_Ant8	10M	QPSK	25	25	Front	5mm	DSI3_Sim-Tx	23230	782	20.91	22.20	1.346	-0.08	0.310	0.417
	LTE Band 13_Ant8	10M	QPSK	25	25	Back	5mm	DSI3_Sim-Tx	23230	782	20.91	22.20	1.346	0.02	0.762	1.026
	LTE Band 13_Ant8	10M	QPSK	25	25	Left Side	5mm	DSI3_Sim-Tx	23230	782	20.91	22.20	1.346	-0.18	0.215	0.289
	LTE Band 13_Ant8	10M	QPSK	25	25	Right Side	5mm	DSI3_Sim-Tx	23230	782	20.91	22.20	1.346	-0.04	0.111	0.149
	LTE Band 13_Ant8	10M	QPSK	25	25	Bottom Side	5mm	DSI3_Sim-Tx	23230	782	20.91	22.20	1.346	-0.03	0.621	0.836
44	LTE Band 13_Ant8	10M	QPSK	50	0	Back	5mm	DSI3_Sim-Tx	23230	782	20.75	22.20	1.396	-0.04	0.761	**1.063**
	LTE Band 13_Ant8	10M	QPSK	50	0	Bottom Side	5mm	DSI3_Sim-Tx	23230	782	20.75	22.20	1.396	0.03	0.604	0.843
	LTE Band 14_Ant2	10M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	23330	793	21.77	22.60	1.211	-0.19	0.422	0.511
	LTE Band 14_Ant2	10M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	23330	793	21.77	22.60	1.211	0.08	0.498	0.603
	LTE Band 14_Ant2	10M	QPSK	1	0	Left Side	5mm	DSI3_Sim-Tx	23330	793	21.77	22.60	1.211	0.19	0.531	0.643
	LTE Band 14_Ant2	10M	QPSK	1	0	Right Side	5mm	DSI3_Sim-Tx	23330	793	21.77	22.60	1.211	-0.17	0.338	0.409
	LTE Band 14_Ant2	10M	QPSK	1	0	Top Side	5mm	DSI3_Sim-Tx	23330	793	21.77	22.60	1.211	-0.09	0.522	0.632
	LTE Band 14_Ant2	10M	QPSK	25	12	Front	5mm	DSI3_Sim-Tx	23330	793	21.60	22.60	1.259	-0.19	0.381	0.480
	LTE Band 14_Ant2	10M	QPSK	25	12	Back	5mm	DSI3_Sim-Tx	23330	793	21.60	22.60	1.259	0.01	0.442	0.556
	LTE Band 14_Ant2	10M	QPSK	25	12	Left Side	5mm	DSI3_Sim-Tx	23330	793	21.60	22.60	1.259	-0.01	0.516	0.650
	LTE Band 14_Ant2	10M	QPSK	25	12	Right Side	5mm	DSI3_Sim-Tx	23330	793	21.60	22.60	1.259	-0.17	0.325	0.409
	LTE Band 14_Ant2	10M	QPSK	25	12	Top Side	5mm	DSI3_Sim-Tx	23330	793	21.60	22.60	1.259	-0.14	0.595	0.749
	LTE Band 14_Ant8	10M	QPSK	1	49	Front	5mm	DSI3_Sim-Tx	23330	793	20.40	21.50	1.288	-0.01	0.260	0.335
45	LTE Band 14_Ant8	10M	QPSK	1	49	Back	5mm	DSI3_Sim-Tx	23330	793	20.40	21.50	1.288	-0.14	0.889	**1.145**
	LTE Band 14_Ant8	10M	QPSK	1	49	Left Side	5mm	DSI3_Sim-Tx	23330	793	20.40	21.50	1.288	0.04	0.222	0.286
	LTE Band 14_Ant8	10M	QPSK	1	49	Right Side	5mm	DSI3_Sim-Tx	23330	793	20.40	21.50	1.288	0.15	0.107	0.138
	LTE Band 14_Ant8	10M	QPSK	1	49	Bottom Side	5mm	DSI3_Sim-Tx	23330	793	20.40	21.50	1.288	0.06	0.360	0.464
	LTE Band 14_Ant8	10M	QPSK	25	25	Front	5mm	DSI3_Sim-Tx	23330	793	20.25	21.50	1.334	-0.14	0.249	0.332
	LTE Band 14_Ant8	10M	QPSK	25	25	Back	5mm	DSI3_Sim-Tx	23330	793	20.25	21.50	1.334	0.08	0.723	0.964
	LTE Band 14_Ant8	10M	QPSK	25	25	Left Side	5mm	DSI3_Sim-Tx	23330	793	20.25	21.50	1.334	0.06	0.203	0.271
	LTE Band 14_Ant8	10M	QPSK	25	25	Right Side	5mm	DSI3_Sim-Tx	23330	793	20.25	21.50	1.334	0.17	0.105	0.140
	LTE Band 14_Ant8	10M	QPSK	25	25	Bottom Side	5mm	DSI3_Sim-Tx	23330	793	20.25	21.50	1.334	0.02	0.339	0.452
	LTE Band 14_Ant8	10M	QPSK	50	0	Back	5mm	DSI3_Sim-Tx	23330	793	20.15	21.50	1.365	-0.19	0.752	1.026

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant2	15M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	26765	821.5	21.24	21.70	1.112	-0.04	0.461	0.513
	LTE Band 26_Ant2	15M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	26765	821.5	21.24	21.70	1.112	-0.12	0.455	0.506
	LTE Band 26_Ant2	15M	QPSK	1	0	Left Side	5mm	DSI3_Sim-Tx	26765	821.5	21.24	21.70	1.112	0.01	0.092	0.102
	LTE Band 26_Ant2	15M	QPSK	1	0	Right Side	5mm	DSI3_Sim-Tx	26765	821.5	21.24	21.70	1.112	0.06	0.175	0.195
	LTE Band 26_Ant2	15M	QPSK	1	0	Top Side	5mm	DSI3_Sim-Tx	26765	821.5	21.24	21.70	1.112	-0.12	0.574	0.638
	LTE Band 5B_Ant2t	10M	QPSK	1	0	Top Side	5mm	DSI3_Sim-Tx	20575(PCC)+ 20476(SCC)	841.5(PCC)+ 831.6(SCC)	21.04	21.70	1.164	0.05	0.404	0.470
	LTE Band 26_Ant2	15M	QPSK	36	39	Front	5mm	DSI3_Sim-Tx	26765	821.5	21.19	21.70	1.125	0.04	0.471	0.530
	LTE Band 26_Ant2	15M	QPSK	36	39	Back	5mm	DSI3_Sim-Tx	26765	821.5	21.19	21.70	1.125	-0.12	0.535	0.602
	LTE Band 26_Ant2	15M	QPSK	36	39	Left Side	5mm	DSI3_Sim-Tx	26765	821.5	21.19	21.70	1.125	-0.1	0.084	0.094
	LTE Band 26_Ant2	15M	QPSK	36	39	Right Side	5mm	DSI3_Sim-Tx	26765	821.5	21.19	21.70	1.125	-0.04	0.158	0.178
	LTE Band 26_Ant2	15M	QPSK	36	39	Top Side	5mm	DSI3_Sim-Tx	26765	821.5	21.19	21.70	1.125	-0.19	0.325	0.365
	LTE Band 26_Ant8	15M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	26765	821.5	20.60	21.60	1.259	-0.11	0.199	0.251
	LTE Band 26_Ant8	15M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	26765	821.5	20.60	21.60	1.259	-0.15	0.774	0.974
	LTE Band 26_Ant8	15M	QPSK	1	0	Left Side	5mm	DSI3_Sim-Tx	26765	821.5	20.60	21.60	1.259	-0.08	0.205	0.258
	LTE Band 26_Ant8	15M	QPSK	1	0	Right Side	5mm	DSI3_Sim-Tx	26765	821.5	20.60	21.60	1.259	0.15	0.060	0.076
	LTE Band 26_Ant8	15M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	26765	821.5	20.60	21.60	1.259	-0.12	0.412	0.519
	LTE Band 26_Ant8	15M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	26865	831.5	20.30	21.60	1.349	0.04	0.707	0.954
	LTE Band 26_Ant8	15M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	26965	841.5	20.23	21.60	1.371	0.09	0.678	0.929
	LTE Band 26_Ant8	15M	QPSK	36	0	Front	5mm	DSI3_Sim-Tx	26765	821.5	20.40	21.60	1.318	0.15	0.202	0.266
46	LTE Band 26_Ant8	15M	QPSK	36	0	Back	5mm	DSI3_Sim-Tx	26765	821.5	20.40	21.60	1.318	-0.05	0.900	**1.186**
	LTE Band 26_Ant8	15M	QPSK	36	0	Left Side	5mm	DSI3_Sim-Tx	26765	821.5	20.40	21.60	1.318	-0.1	0.189	0.249
	LTE Band 26_Ant8	15M	QPSK	36	0	Right Side	5mm	DSI3_Sim-Tx	26765	821.5	20.40	21.60	1.318	0.07	0.063	0.083
	LTE Band 26_Ant8	15M	QPSK	36	0	Bottom Side	5mm	DSI3_Sim-Tx	26765	821.5	20.40	21.60	1.318	-0.14	0.447	0.589
	LTE Band 26_Ant8	15M	QPSK	36	0	Back	5mm	DSI3_Sim-Tx	26865	831.5	20.20	21.60	1.380	0.02	0.841	1.161
	LTE Band 26_Ant8	15M	QPSK	36	0	Back	5mm	DSI3_Sim-Tx	26965	841.5	20.25	21.60	1.365	0.01	0.776	1.059
	LTE Band 5B_Ant8	10M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	20575(PCC)+ 20476(SCC)	841.5(PCC)+ 831.6(SCC)	20.23	21.60	1.371	-0.02	0.721	0.988
	LTE Band 5B_Ant8	10M	QPSK	1	49	Back	5mm	DSI3_Sim-Tx	20450(PCC)+ 20549(SCC)	829(PCC)+ 838.9(SCC)	20.10	21.60	1.413	0.04	0.727	1.027
	LTE Band 5B_Ant8	10M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	20600(PCC)+ 20501(SCC)	844(PCC)+ 834.1(SCC)	20.27	21.60	1.358	-0.07	0.746	1.013
	LTE Band 26_Ant8	15M	QPSK	75	0	Back	5mm	DSI3_Sim-Tx	26765	821.5	20.30	21.60	1.349	-0.12	0.780	1.052
	LTE Band 66_Ant2	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	132322	1745	14.79	15.60	1.205	-0.06	0.230	0.277
	LTE Band 66_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	132322	1745	14.79	15.60	1.205	-0.05	0.367	0.442
	LTE Band 66_Ant2	20M	QPSK	1	0	Left Side	5mm	DSI3_Sim-Tx	132322	1745	14.79	15.60	1.205	-	n/a	n/a
	LTE Band 66_Ant2	20M	QPSK	1	0	Right Side	5mm	DSI3_Sim-Tx	132322	1745	14.79	15.60	1.205	-0.15	0.046	0.055
	LTE Band 66_Ant2	20M	QPSK	1	0	Top Side	5mm	DSI3_Sim-Tx	132322	1745	14.79	15.60	1.205	-0.03	0.296	0.357
	LTE Band 66_Ant2	20M	QPSK	50	24	Front	5mm	DSI3_Sim-Tx	132322	1745	14.76	15.60	1.213	0.1	0.247	0.300
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	5mm	DSI3_Sim-Tx	132322	1745	14.76	15.60	1.213	-0.1	0.400	0.485
	LTE Band 66_Ant2	20M	QPSK	50	24	Left Side	5mm	DSI3_Sim-Tx	132322	1745	14.76	15.60	1.213	-	n/a	n/a
	LTE Band 66_Ant2	20M	QPSK	50	24	Right Side	5mm	DSI3_Sim-Tx	132322	1745	14.76	15.60	1.213	0.15	0.049	0.059
	LTE Band 66_Ant2	20M	QPSK	50	24	Top Side	5mm	DSI3_Sim-Tx	132322	1745	14.76	15.60	1.213	-0.02	0.365	0.443
	LTE Band 66C_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	14.67	15.60	1.239	0.01	0.298	0.369
	LTE Band 66_Ant1	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	132322	1745	16.68	17.70	1.265	0.13	0.330	0.417
	LTE Band 66_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	132322	1745	16.68	17.70	1.265	0.17	0.402	0.508
	LTE Band 66_Ant1	20M	QPSK	1	0	Left Side	5mm	DSI3_Sim-Tx	132322	1745	16.68	17.70	1.265	-	n/a	n/a
	LTE Band 66_Ant1	20M	QPSK	1	0	Right Side	5mm	DSI3_Sim-Tx	132322	1745	16.68	17.70	1.265	0.07	0.040	0.051
	LTE Band 66_Ant1	20M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	132322	1745	16.68	17.70	1.265	0.07	0.818	1.035
	LTE Band 66_Ant1	20M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	132072	1720	16.58	17.70	1.294	-0.18	0.768	0.994
	LTE Band 66_Ant1	20M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	132572	1770	16.54	17.70	1.306	0.17	0.810	1.058
	LTE Band 66_Ant1	20M	QPSK	50	24	Front	5mm	DSI3_Sim-Tx	132322	1745	16.36	17.70	1.361	-0.08	0.339	0.462
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	5mm	DSI3_Sim-Tx	132322	1745	16.36	17.70	1.361	-0.06	0.499	0.679
	LTE Band 66_Ant1	20M	QPSK	50	24	Left Side	5mm	DSI3_Sim-Tx	132322	1745	16.36	17.70	1.361	-	n/a	n/a
	LTE Band 66_Ant1	20M	QPSK	50	24	Right Side	5mm	DSI3_Sim-Tx	132322	1745	16.36	17.70	1.361	0.04	0.042	0.057
	LTE Band 66_Ant1	20M	QPSK	50	24	Bottom Side	5mm	DSI3_Sim-Tx	132322	1745	16.36	17.70	1.361	-0.03	0.814	1.108
	LTE Band 66_Ant1	20M	QPSK	50	24	Bottom Side	5mm	DSI3_Sim-Tx	132072	1720	16.15	17.70	1.429	-0.18	0.817	1.167
47	LTE Band 66_Ant1	20M	QPSK	50	24	Bottom Side	5mm	DSI3_Sim-Tx	132572	1770	16.15	17.70	1.429	0.03	0.820	**1.172**

	LTE Band 66C_Ant1	20M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	16.15	17.70	1.429	0.07	0.697	0.996
	LTE Band 66C_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	132072(PCC)+ 132270(SCC)	1720(PCC)+ 1739.8(SCC)	16.18	17.70	1.419	0.1	0.754	1.070
	LTE Band 66C_Ant1	20M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	132572(PCC)+ 132374(SCC)	1770(PCC)+ 1750.2(SCC)	16.08	17.70	1.452	-0.17	0.757	1.099
	LTE Band 66_Ant1	20M	QPSK	100	0	Bottom Side	5mm	DSI3_Sim-Tx	132322	1745	16.22	17.70	1.406	0.06	0.814	1.145

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant2	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	26140	1860	12.73	13.60	1.222	-0.19	0.222	0.271
	LTE Band 25_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	26140	1860	12.73	13.60	1.222	0.03	0.344	0.420
	LTE Band 25_Ant2	20M	QPSK	1	0	Left Side	5mm	DSI3_Sim-Tx	26140	1860	12.73	13.60	1.222	-	n/a	n/a
	LTE Band 25_Ant2	20M	QPSK	1	0	Right Side	5mm	DSI3_Sim-Tx	26140	1860	12.73	13.60	1.222	-0.06	0.042	0.051
	LTE Band 25_Ant2	20M	QPSK	1	0	Top Side	5mm	DSI3_Sim-Tx	26140	1860	12.73	13.60	1.222	0.06	0.374	0.457
	LTE Band 25_Ant2	20M	QPSK	50	0	Front	5mm	DSI3_Sim-Tx	26140	1860	12.60	13.60	1.259	-0.11	0.235	0.296
	LTE Band 25_Ant2	20M	QPSK	50	0	Back	5mm	DSI3_Sim-Tx	26140	1860	12.60	13.60	1.259	-0.01	0.362	0.456
	LTE Band 25_Ant2	20M	QPSK	50	0	Left Side	5mm	DSI3_Sim-Tx	26140	1860	12.60	13.60	1.259	-	n/a	n/a
	LTE Band 25_Ant2	20M	QPSK	50	0	Right Side	5mm	DSI3_Sim-Tx	26140	1860	12.60	13.60	1.259	-0.03	0.047	0.059
	LTE Band 25_Ant2	20M	QPSK	50	0	Top Side	5mm	DSI3_Sim-Tx	26140	1860	12.60	13.60	1.259	0.12	0.400	0.504
	LTE Band 25_Ant1	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	26140	1860	15.21	16.30	1.285	-0.18	0.335	0.431
	LTE Band 25_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	26140	1860	15.21	16.30	1.285	-0.1	0.501	0.644
	LTE Band 25_Ant1	20M	QPSK	1	0	Left Side	5mm	DSI3_Sim-Tx	26140	1860	15.21	16.30	1.285	-	n/a	n/a
	LTE Band 25_Ant1	20M	QPSK	1	0	Right Side	5mm	DSI3_Sim-Tx	26140	1860	15.21	16.30	1.285	-	n/a	n/a
	LTE Band 25_Ant1	20M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	26140	1860	15.21	16.30	1.285	-0.13	0.612	0.787
	LTE Band 25_Ant1	20M	QPSK	50	0	Front	5mm	DSI3_Sim-Tx	26140	1860	15.19	16.30	1.291	0.04	0.348	0.449
	LTE Band 25_Ant1	20M	QPSK	50	0	Back	5mm	DSI3_Sim-Tx	26140	1860	15.19	16.30	1.291	-0.02	0.417	0.538
	LTE Band 25_Ant1	20M	QPSK	50	0	Left Side	5mm	DSI3_Sim-Tx	26140	1860	15.19	16.30	1.291	-	n/a	n/a
	LTE Band 25_Ant1	20M	QPSK	50	0	Right Side	5mm	DSI3_Sim-Tx	26140	1860	15.19	16.30	1.291	-	n/a	n/a
	LTE Band 25_Ant1	20M	QPSK	50	0	Bottom Side	5mm	DSI3_Sim-Tx	26140	1860	15.19	16.30	1.291	0.08	0.647	0.835
48	LTE Band 25_Ant1	20M	QPSK	50	0	Bottom Side	5mm	DSI3_Sim-Tx	26340	1880	15.09	16.30	1.321	-0.18	0.783	**1.035**
	LTE Band 25_Ant1	20M	QPSK	50	0	Bottom Side	5mm	DSI3_Sim-Tx	26590	1905	14.99	16.30	1.352	-0.05	0.724	0.979
	LTE Band 25_Ant1	20M	QPSK	100	0	Bottom Side	5mm	DSI3_Sim-Tx	26140	1860	15.13	16.30	1.309	-0.16	0.773	1.012
	LTE Band 30_Ant2	10M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	27710	2310	12.67	13.60	1.239	0.04	0.303	0.375
	LTE Band 30_Ant2	10M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	27710	2310	12.67	13.60	1.239	0.19	0.355	0.440
	LTE Band 30_Ant2	10M	QPSK	1	0	Left Side	5mm	DSI3_Sim-Tx	27710	2310	12.67	13.60	1.239	-	n/a	n/a
	LTE Band 30_Ant2	10M	QPSK	1	0	Right Side	5mm	DSI3_Sim-Tx	27710	2310	12.67	13.60	1.239	-	n/a	n/a
	LTE Band 30_Ant2	10M	QPSK	1	0	Top Side	5mm	DSI3_Sim-Tx	27710	2310	12.67	13.60	1.239	-0.12	0.393	0.487
	LTE Band 30_Ant2	10M	QPSK	25	12	Front	5mm	DSI3_Sim-Tx	27710	2310	12.61	13.60	1.256	-0.02	0.309	0.388
	LTE Band 30_Ant2	10M	QPSK	25	12	Back	5mm	DSI3_Sim-Tx	27710	2310	12.61	13.60	1.256	-0.17	0.323	0.406
	LTE Band 30_Ant2	10M	QPSK	25	12	Left Side	5mm	DSI3_Sim-Tx	27710	2310	12.61	13.60	1.256	-	n/a	n/a
	LTE Band 30_Ant2	10M	QPSK	25	12	Right Side	5mm	DSI3_Sim-Tx	27710	2310	12.61	13.60	1.256	-	n/a	n/a
	LTE Band 30_Ant2	10M	QPSK	25	12	Top Side	5mm	DSI3_Sim-Tx	27710	2310	12.61	13.60	1.256	0.01	0.401	0.504
	LTE Band 30_Ant1	10M	QPSK	1	25	Front	5mm	DSI3_Sim-Tx	27710	2310	17.20	18.10	1.230	0.09	0.157	0.193
	LTE Band 30_Ant1	10M	QPSK	1	25	Back	5mm	DSI3_Sim-Tx	27710	2310	17.20	18.10	1.230	0.13	0.493	0.607
	LTE Band 30_Ant1	10M	QPSK	1	25	Left Side	5mm	DSI3_Sim-Tx	27710	2310	17.20	18.10	1.230	-	n/a	n/a
	LTE Band 30_Ant1	10M	QPSK	1	25	Right Side	5mm	DSI3_Sim-Tx	27710	2310	17.20	18.10	1.230	0.05	0.040	0.049
	LTE Band 30_Ant1	10M	QPSK	1	25	Bottom Side	5mm	DSI3_Sim-Tx	27710	2310	17.20	18.10	1.230	-0.18	0.935	1.150
	LTE Band 30_Ant1	10M	QPSK	25	12	Front	5mm	DSI3_Sim-Tx	27710	2310	17.13	18.10	1.250	-0.02	0.165	0.206
	LTE Band 30_Ant1	10M	QPSK	25	12	Back	5mm	DSI3_Sim-Tx	27710	2310	17.13	18.10	1.250	-0.12	0.509	0.636
	LTE Band 30_Ant1	10M	QPSK	25	12	Left Side	5mm	DSI3_Sim-Tx	27710	2310	17.13	18.10	1.250	-	n/a	n/a
	LTE Band 30_Ant1	10M	QPSK	25	12	Right Side	5mm	DSI3_Sim-Tx	27710	2310	17.13	18.10	1.250	0.03	0.041	0.051
49	LTE Band 30_Ant1	10M	QPSK	25	12	Bottom Side	5mm	DSI3_Sim-Tx	27710	2310	17.13	18.10	1.250	-0.13	0.948	**1.185**
	LTE Band 30_Ant1	10M	QPSK	50	0	Bottom Side	5mm	DSI3_Sim-Tx	27710	2310	17.12	18.10	1.253	0.08	0.945	1.184

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Sim-Tx	21350	2560	14.64	15.50	1.219	0.03	0.293	0.357
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	21350	2560	14.64	15.50	1.219	-0.18	0.500	0.609
	LTE Band 7_Ant1	20M	QPSK	1	99	Left Side	5mm	DSI3_Sim-Tx	21350	2560	14.64	15.50	1.219	-	n/a	n/a
	LTE Band 7_Ant1	20M	QPSK	1	99	Right Side	5mm	DSI3_Sim-Tx	21350	2560	14.64	15.50	1.219	-	n/a	n/a
	LTE Band 7_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	21350	2560	14.64	15.50	1.219	0.02	0.702	0.856
	LTE Band 7_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	20850	2510	14.35	15.50	1.303	-0.1	0.587	0.765
	LTE Band 7_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	21100	2535	14.43	15.50	1.279	0.13	0.645	0.825
	LTE Band 7_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Sim-Tx	21350	2560	14.63	15.50	1.222	0.01	0.307	0.375
	LTE Band 7_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	21350	2560	14.63	15.50	1.222	0.14	0.518	0.633
	LTE Band 7_Ant1	20M	QPSK	50	50	Left Side	5mm	DSI3_Sim-Tx	21350	2560	14.63	15.50	1.222	-	n/a	n/a
	LTE Band 7_Ant1	20M	QPSK	50	50	Right Side	5mm	DSI3_Sim-Tx	21350	2560	14.63	15.50	1.222	-	n/a	n/a
50	LTE Band 7_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	21350	2560	14.63	15.50	1.222	0.17	0.751	**0.918**
	LTE Band 7_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	20850	2510	14.35	15.50	1.303	-0.1	0.638	0.831
	LTE Band 7_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	21100	2535	14.53	15.50	1.250	0.13	0.706	0.883
	LTE Band 7_Ant1	20M	QPSK	100	0	Bottom Side	5mm	DSI3_Sim-Tx	21350	2560	14.59	15.50	1.233	-0.06	0.718	0.885

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Sim-Tx	41055	2636.5	17.41	18.30	1.227	62.9	1.006	-0.18	0.348	0.430
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	41055	2636.5	17.41	18.30	1.227	62.9	1.006	-0.17	0.559	0.690
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	39750	2506	17.00	18.30	1.349	62.9	1.006	0.1	0.473	0.642
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	40185	2549.5	17.39	18.30	1.233	62.9	1.006	0.11	0.567	0.703
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	40620	2593	17.36	18.30	1.242	62.9	1.006	-0.1	0.517	0.646
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	41490	2680	17.33	18.30	1.250	62.9	1.006	0.09	0.544	0.684
	LTE Band 41_Ant1	20M	QPSK	1	99	Left Side	5mm	DSI3_Sim-Tx	41055	2636.5	17.41	18.30	1.227	62.9	1.006	-	n/a	n/a
	LTE Band 41_Ant1	20M	QPSK	1	99	Right Side	5mm	DSI3_Sim-Tx	41055	2636.5	17.41	18.30	1.227	62.9	1.006	-	n/a	n/a
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	41055	2636.5	17.41	18.30	1.227	62.9	1.006	0.07	0.928	1.146
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	39750	2506	17.00	18.30	1.349	62.9	1.006	-0.09	0.760	1.031
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	40185	2549.5	17.39	18.30	1.233	62.9	1.006	0.12	0.888	1.102
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	40620	2593	17.36	18.30	1.242	62.9	1.006	0.02	0.926	1.157
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	41490	2680	17.33	18.30	1.250	62.9	1.006	0.13	0.878	1.104
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Sim-Tx	41055	2636.5	17.39	18.30	1.233	62.9	1.006	-0.01	0.371	0.460
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	41055	2636.5	17.39	18.30	1.233	62.9	1.006	-0.15	0.577	0.716
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	39750	2506	16.92	18.30	1.374	62.9	1.006	-0.16	0.491	0.679
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	40185	2549.5	17.29	18.30	1.262	62.9	1.006	0.12	0.585	0.743
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	40620	2593	17.28	18.30	1.265	62.9	1.006	0.18	0.538	0.685
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	41490	2680	17.27	18.30	1.268	62.9	1.006	0.1	0.565	0.721
	LTE Band 41_Ant1	20M	QPSK	50	50	Left Side	5mm	DSI3_Sim-Tx	41055	2636.5	17.39	18.30	1.233	62.9	1.006	-	n/a	n/a
	LTE Band 41_Ant1	20M	QPSK	50	50	Right Side	5mm	DSI3_Sim-Tx	41055	2636.5	17.39	18.30	1.233	62.9	1.006	-	n/a	n/a
	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	41055	2636.5	17.39	18.30	1.233	62.9	1.006	0.09	0.928	1.151
	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	39750	2506	16.92	18.30	1.374	62.9	1.006	-0.15	0.760	1.051
	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	40185	2549.5	17.29	18.30	1.262	62.9	1.006	0.02	0.888	1.127
51	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	40620	2593	17.28	18.30	1.265	62.9	1.006	0.15	0.927	**1.179**
	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	41490	2680	17.27	18.30	1.268	62.9	1.006	0.08	0.662	0.844
	LTE Band 41C_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	39750(PCC)+ 39948(SCC)	2506(PCC)+ 2525.8(SCC)	16.68	18.30	1.452	62.9	1.006	0.03	0.530	0.774
	LTE Band 41C_Ant1	20M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	40185(PCC)+ 39987(SCC)	2549.5(PCC)+ 2525.9(SCC)	16.63	18.30	1.469	62.9	1.006	0.07	0.765	1.130
	LTE Band 41C_Ant1	20M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	40620(PCC)+ 40422(SCC)	2593(PCC)+ 2573.20(SCC)	17.03	18.30	1.340	62.9	1.006	-0.04	0.845	1.139
	LTE Band 41C_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	41055(PCC)+ 41253(SCC)	2636.5(PCC)+ 2656.30(SCC)	16.89	18.30	1.384	62.9	1.006	0.05	0.793	1.104

	LTE Band 41C_Ant1	20M	QPSK	1	0	Bottom Side	5mm	DSI3_Sim-Tx	41490(PCC)+ 41292(SCC)	2680(PCC)+ 2660.2(SCC)	17.03	18.30	1.340	62.9	1.006	0.04	0.872	1.175
	LTE Band 41_Ant1	20M	QPSK	100	0	Back	5mm	DSI3_Sim-Tx	41055	2636.5	17.30	18.30	1.259	62.9	1.006	0.02	0.542	0.686
	LTE Band 41_Ant1	20M	QPSK	100	0	Bottom Side	5mm	DSI3_Sim-Tx	41055	2636.5	17.30	18.30	1.259	62.9	1.006	-0.1	0.884	1.120
	LTE Band 41PUE_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Sim-Tx	41055	2636.5	19.16	19.90	1.186	42.9	1.009	0.17	0.334	0.400
	LTE Band 41PUE_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	41055	2636.5	19.16	19.90	1.186	42.9	1.009	-0.06	0.466	0.558
	LTE Band 41PUE_Ant1	20M	QPSK	1	99	Left Side	5mm	DSI3_Sim-Tx	41055	2636.5	19.16	19.90	1.186	42.9	1.009	-	n/a	n/a
	LTE Band 41PUE_Ant1	20M	QPSK	1	99	Right Side	5mm	DSI3_Sim-Tx	41055	2636.5	19.16	19.90	1.186	42.9	1.009	-	n/a	n/a
	LTE Band 41PUE_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	41055	2636.5	19.16	19.90	1.186	42.9	1.009	0.09	0.936	1.120
	LTE Band 41PUE_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	39750	2506	18.71	19.90	1.315	42.9	1.009	0.01	0.766	1.017
	LTE Band 41PUE_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	40185	2549.5	19.00	19.90	1.230	42.9	1.009	-0.15	0.902	1.120
	LTE Band 41PUE_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	40620	2593	18.99	19.90	1.233	42.9	1.009	-0.16	0.901	1.121
	LTE Band 41PUE_Ant1	20M	QPSK	1	99	Bottom Side	5mm	DSI3_Sim-Tx	41490	2680	19.15	19.90	1.189	42.9	1.009	0.17	0.592	0.710
	LTE Band 41PUE_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Sim-Tx	41055	2636.5	19.15	19.90	1.189	42.9	1.009	-0.16	0.344	0.413
	LTE Band 41PUE_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	41055	2636.5	19.15	19.90	1.189	42.9	1.009	0.02	0.488	0.585
	LTE Band 41PUE_Ant1	20M	QPSK	50	50	Left Side	5mm	DSI3_Sim-Tx	41055	2636.5	19.15	19.90	1.189	42.9	1.009	-	n/a	n/a
	LTE Band 41PUE_Ant1	20M	QPSK	50	50	Right Side	5mm	DSI3_Sim-Tx	41055	2636.5	19.15	19.90	1.189	42.9	1.009	-	n/a	n/a
	LTE Band 41PUE_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	41055	2636.5	19.15	19.90	1.189	42.9	1.009	0.17	0.896	1.074
	LTE Band 41PUE_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	39750	2506	18.72	19.90	1.312	42.9	1.009	-0.08	0.795	1.053
	LTE Band 41PUE_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	40185	2549.5	18.97	19.90	1.239	42.9	1.009	0.14	0.903	1.129
	LTE Band 41PUE_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	40620	2593	18.94	19.90	1.247	42.9	1.009	0.17	0.933	1.174
	LTE Band 41PUE_Ant1	20M	QPSK	50	50	Bottom Side	5mm	DSI3_Sim-Tx	41490	2680	19.14	19.90	1.191	42.9	1.009	0.11	0.643	0.773
	LTE Band 41PUE_Ant1	20M	QPSK	100	0	Bottom Side	5mm	DSI3_Sim-Tx	41055	2636.5	19.11	19.90	1.199	42.9	1.009	0.07	0.917	1.110
	LTE Band 48_Ant4	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	55340	3560	13.16	14.50	1.361	62.9	1.006	-0.02	0.018	0.025
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	55340	3560	13.16	14.50	1.361	62.9	1.006	0.17	0.347	0.475
	LTE Band 48_Ant4	20M	QPSK	1	0	Left Side	5mm	DSI3_Sim-Tx	55340	3560	13.16	14.50	1.361	62.9	1.006	0.02	0.066	0.090
	LTE Band 48_Ant4	20M	QPSK	1	0	Right Side	5mm	DSI3_Sim-Tx	55340	3560	13.16	14.50	1.361	62.9	1.006	-	n/a	n/a
	LTE Band 48_Ant4	20M	QPSK	1	0	Top Side	5mm	DSI3_Sim-Tx	55340	3560	13.16	14.50	1.361	62.9	1.006	0.17	0.058	0.079
	LTE Band 48_Ant4	20M	QPSK	50	0	Front	5mm	DSI3_Sim-Tx	55340	3560	13.09	14.50	1.384	62.9	1.006	-0.14	0.017	0.024
52	LTE Band 48_Ant4	20M	QPSK	50	0	Back	5mm	DSI3_Sim-Tx	55340	3560	13.09	14.50	1.384	62.9	1.006	0.04	0.362	**0.504**
	LTE Band 48C_Ant4	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	55340(PCC)+ 55538(SCC)	3560(PCC)+ 3569.8(SCC)	13.25	14.50	1.334	62.9	1.006	-0.03	0.333	0.447
	LTE Band 48_Ant4	20M	QPSK	50	0	Left Side	5mm	DSI3_Sim-Tx	55340	3560	13.09	14.50	1.384	62.9	1.006	0.06	0.061	0.085
	LTE Band 48_Ant4	20M	QPSK	50	0	Right Side	5mm	DSI3_Sim-Tx	55340	3560	13.09	14.50	1.384	62.9	1.006	-0.16	0.024	0.033
	LTE Band 48_Ant4	20M	QPSK	50	0	Top Side	5mm	DSI3_Sim-Tx	55340	3560	13.09	14.50	1.384	62.9	1.006	0.16	0.056	0.078

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Front	5mm	DSI4	136100	680.5	23.10	24.00	1.230	0.11	0.295	0.363
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Back	5mm	DSI4	136100	680.5	23.10	24.00	1.230	-0.18	0.366	0.450
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Left Side	5mm	DSI4	136100	680.5	23.10	24.00	1.230	-0.01	0.148	0.182
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Right Side	5mm	DSI4	136100	680.5	23.10	24.00	1.230	0.01	0.410	0.504
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Top Side	5mm	DSI4	136100	680.5	23.10	24.00	1.230	-0.02	0.438	0.539
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Front	5mm	DSI4	136100	680.5	22.87	23.50	1.156	-0.12	0.282	0.326
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Back	5mm	DSI4	136100	680.5	22.87	23.50	1.156	-0.16	0.460	0.532
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Left Side	5mm	DSI4	136100	680.5	22.87	23.50	1.156	0.19	0.144	0.166
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Right Side	5mm	DSI4	136100	680.5	22.87	23.50	1.156	0.15	0.424	0.490
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Top Side	5mm	DSI4	136100	680.5	22.87	23.50	1.156	0.06	0.487	0.563
	N71_Ant 8	20M	BPSK	1	1	DFT-15	Front	5mm	DSI4	136100	680.5	22.86	24.00	1.300	0.04	0.224	0.291
53	N71_Ant 8	20M	BPSK	1	1	DFT-15	Back	5mm	DSI4	136100	680.5	22.86	24.00	1.300	-0.06	0.644	**0.837**
	N71_Ant 8	20M	BPSK	1	1	DFT-15	Left Side	5mm	DSI4	136100	680.5	22.86	24.00	1.300	-0.1	0.342	0.445
	N71_Ant 8	20M	BPSK	1	1	DFT-15	Right Side	5mm	DSI4	136100	680.5	22.86	24.00	1.300	0.01	0.128	0.166
	N71_Ant 8	20M	BPSK	1	1	DFT-15	Bottom Side	5mm	DSI4	136100	680.5	22.86	24.00	1.300	-0.07	0.342	0.445
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Front	5mm	DSI4	136100	680.5	22.77	24.00	1.327	-0.16	0.131	0.174
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Back	5mm	DSI4	136100	680.5	22.77	24.00	1.327	-0.12	0.591	0.784
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Left Side	5mm	DSI4	136100	680.5	22.77	24.00	1.327	-0.12	0.384	0.510
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Right Side	5mm	DSI4	136100	680.5	22.77	24.00	1.327	0.12	0.124	0.165
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Bottom Side	5mm	DSI4	136100	680.5	22.77	24.00	1.327	-0.18	0.343	0.455
	N71_Ant 8	20M	BPSK	100	0	DFT-15	Back	5mm	DSI4	136100	680.5	22.83	24.00	1.309	0.15	0.525	0.687
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Front	5mm	DSI4	141500	707.5	23.02	24.00	1.253	-0.07	0.457	0.573
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Back	5mm	DSI4	141500	707.5	23.02	24.00	1.253	0.07	0.471	0.590
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Left Side	5mm	DSI4	141500	707.5	23.02	24.00	1.253	-0.07	0.166	0.208
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Right Side	5mm	DSI4	141500	707.5	23.02	24.00	1.253	0.18	0.419	0.525
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Top Side	5mm	DSI4	141500	707.5	23.02	24.00	1.253	-0.19	0.482	0.604
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Front	5mm	DSI4	141500	707.5	22.93	24.00	1.279	0.13	0.440	0.563
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Back	5mm	DSI4	141500	707.5	22.93	24.00	1.279	-0.01	0.464	0.594
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Left Side	5mm	DSI4	141500	707.5	22.93	24.00	1.279	0.17	0.169	0.216
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Right Side	5mm	DSI4	141500	707.5	22.93	24.00	1.279	-0.05	0.415	0.531
54	N12_Ant 2	15M	BPSK	36	0	DFT-15	Top Side	5mm	DSI4	141500	707.5	22.93	24.00	1.279	0.07	0.498	**0.637**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Sim-Tx	164800	824	20.80	21.70	1.230	-0.14	0.297	0.365
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Sim-Tx	164800	824	20.80	21.70	1.230	-0.15	0.357	0.439
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Left Side	5mm	DSI3_Sim-Tx	164800	824	20.80	21.70	1.230	-0.01	0.079	0.097
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Right Side	5mm	DSI3_Sim-Tx	164800	824	20.80	21.70	1.230	-0.18	0.189	0.233
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Top Side	5mm	DSI3_Sim-Tx	164800	824	20.80	21.70	1.230	0.14	0.431	0.530
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Front	5mm	DSI3_Sim-Tx	164800	824	20.69	21.70	1.262	-0.03	0.298	0.376
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Sim-Tx	164800	824	20.69	21.70	1.262	0.08	0.359	0.453
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Left Side	5mm	DSI3_Sim-Tx	164800	824	20.69	21.70	1.262	-0.15	0.077	0.097
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Right Side	5mm	DSI3_Sim-Tx	164800	824	20.69	21.70	1.262	0.05	0.169	0.213
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Top Side	5mm	DSI3_Sim-Tx	164800	824	20.69	21.70	1.262	-0.03	0.428	0.540
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Front	5mm	DSI3_Sim-Tx	164800	824	21.72	22.90	1.312	-0.13	0.300	0.394
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Back	5mm	DSI3_Sim-Tx	164800	824	21.72	22.90	1.312	-0.03	0.673	0.883
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Left Side	5mm	DSI3_Sim-Tx	164800	824	21.72	22.90	1.312	-0.18	0.135	0.177
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Right Side	5mm	DSI3_Sim-Tx	164800	824	21.72	22.90	1.312	0.17	0.052	0.068
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	164800	824	21.72	22.90	1.312	-0.11	0.376	0.493
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Back	5mm	DSI3_Sim-Tx	166300	831.5	21.21	22.90	1.476	-0.15	0.669	0.987
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Back	5mm	DSI3_Sim-Tx	167800	839	21.19	22.90	1.483	-0.01	0.682	1.011
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Front	5mm	DSI3_Sim-Tx	164800	824	21.52	22.90	1.374	-0.11	0.302	0.415
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Sim-Tx	164800	824	21.52	22.90	1.374	-0.17	0.641	0.881
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Left Side	5mm	DSI3_Sim-Tx	164800	824	21.52	22.90	1.374	-0.18	0.123	0.169
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Right Side	5mm	DSI3_Sim-Tx	164800	824	21.52	22.90	1.374	0.01	0.043	0.059
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	164800	824	21.52	22.90	1.374	0.03	0.299	0.411
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Sim-Tx	166300	831.5	21.32	22.90	1.439	0.16	0.681	0.980
55	N26_Ant 8	20M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Sim-Tx	167800	839	21.20	22.90	1.479	-0.04	0.689	**1.019**
	N26_Ant 8	20M	BPSK	100	0	DFT-15	Back	5mm	DSI3_Sim-Tx	164800	824	21.50	22.90	1.380	0.14	0.728	1.005
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	5mm	DSI3_Sim-Tx	346000	1730	14.11	15.00	1.227	0.17	0.354	0.435
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Back	5mm	DSI3_Sim-Tx	346000	1730	14.11	15.00	1.227	0.09	0.516	0.633
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Left Side	5mm	DSI3_Sim-Tx	346000	1730	14.11	15.00	1.227	-	n/a	n/a
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Right Side	5mm	DSI3_Sim-Tx	346000	1730	14.11	15.00	1.227	-0.13	0.060	0.074
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Top Side	5mm	DSI3_Sim-Tx	346000	1730	14.11	15.00	1.227	0.07	0.450	0.552
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Sim-Tx	346000	1730	14.02	15.00	1.253	-0.11	0.371	0.465
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Sim-Tx	346000	1730	14.02	15.00	1.253	0.11	0.493	0.618
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Side	5mm	DSI3_Sim-Tx	346000	1730	14.02	15.00	1.253	-	n/a	n/a
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Right Side	5mm	DSI3_Sim-Tx	346000	1730	14.02	15.00	1.253	-0.09	0.060	0.075
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	5mm	DSI3_Sim-Tx	346000	1730	14.02	15.00	1.253	0.18	0.451	0.565
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Front	5mm	DSI3_Sim-Tx	352000	1760	15.85	16.50	1.161	-0.14	0.446	0.518
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	5mm	DSI3_Sim-Tx	352000	1760	15.85	16.50	1.161	0.11	0.642	0.746
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Left Side	5mm	DSI3_Sim-Tx	352000	1760	15.85	16.50	1.161	-	n/a	n/a
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Right Side	5mm	DSI3_Sim-Tx	352000	1760	15.85	16.50	1.161	0.12	0.048	0.056
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	352000	1760	15.85	16.50	1.161	-0.19	0.992	1.152
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	346000	1730	15.70	16.50	1.202	-0.07	0.872	1.048
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	349000	1745	15.81	16.50	1.172	-0.15	0.959	1.124
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Front	5mm	DSI3_Sim-Tx	352000	1760	15.82	16.50	1.169	0.01	0.479	0.560
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	5mm	DSI3_Sim-Tx	352000	1760	15.82	16.50	1.169	-0.12	0.675	0.789
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Left Side	5mm	DSI3_Sim-Tx	352000	1760	15.82	16.50	1.169	-	n/a	n/a
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Right Side	5mm	DSI3_Sim-Tx	352000	1760	15.82	16.50	1.169	-0.15	0.048	0.056
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	352000	1760	15.82	16.50	1.169	-0.15	1.010	1.181
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	346000	1730	15.64	16.50	1.219	0.02	0.682	0.831
56	N66_Ant 1	40M	BPSK	108	108	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	349000	1745	15.67	16.50	1.211	-0.04	0.976	**1.182**
	N66_Ant 1	40M	BPSK	216	0	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	352000	1760	15.73	16.50	1.194	-0.06	0.933	1.114

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Sim-Tx	376500	1882.5	13.30	14.40	1.288	0.12	0.289	0.372
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Sim-Tx	376500	1882.5	13.30	14.40	1.288	-0.1	0.356	0.459
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Left Side	5mm	DSI3_Sim-Tx	376500	1882.5	13.30	14.40	1.288	-	n/a	n/a
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Right Side	5mm	DSI3_Sim-Tx	376500	1882.5	13.30	14.40	1.288	-0.16	0.048	0.062
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Top Side	5mm	DSI3_Sim-Tx	376500	1882.5	13.30	14.40	1.288	0.01	0.429	0.553
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Sim-Tx	376500	1882.5	13.21	14.40	1.315	0.16	0.317	0.417
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Sim-Tx	376500	1882.5	13.21	14.40	1.315	0.03	0.435	0.572
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Left Side	5mm	DSI3_Sim-Tx	376500	1882.5	13.21	14.40	1.315	-	n/a	n/a
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Right Side	5mm	DSI3_Sim-Tx	376500	1882.5	13.21	14.40	1.315	-0.03	0.046	0.061
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	5mm	DSI3_Sim-Tx	376500	1882.5	13.21	14.40	1.315	-0.03	0.485	0.638
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Sim-Tx	374000	1870	16.28	17.10	1.208	-0.1	0.396	0.478
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Sim-Tx	374000	1870	16.28	17.10	1.208	-0.02	0.560	0.676
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Left Side	5mm	DSI3_Sim-Tx	374000	1870	16.28	17.10	1.208	-	n/a	n/a
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Right Side	5mm	DSI3_Sim-Tx	374000	1870	16.28	17.10	1.208	-	n/a	n/a
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	374000	1870	16.28	17.10	1.208	-0.09	0.827	0.999
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	376500	1882.5	16.09	17.10	1.262	-0.05	0.882	1.113
57	N25_Ant 1	40M	BPSK	1	1	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	379000	1895	16.01	17.10	1.285	0.14	0.880	**1.131**
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	5mm	DSI3_Sim-Tx	374000	1870	16.03	17.10	1.279	0.19	0.402	0.514
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	5mm	DSI3_Sim-Tx	374000	1870	16.03	17.10	1.279	0.07	0.549	0.702
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Left Side	5mm	DSI3_Sim-Tx	374000	1870	16.03	17.10	1.279	-	n/a	n/a
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Right Side	5mm	DSI3_Sim-Tx	374000	1870	16.03	17.10	1.279	-	n/a	n/a
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	374000	1870	16.03	17.10	1.279	-0.09	0.782	1.000
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	376500	1882.5	15.95	17.10	1.303	-0.08	0.775	1.010
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	379000	1895	15.81	17.10	1.346	0.08	0.712	0.958
	N25_Ant 1	40M	BPSK	216	0	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	374000	1870	15.90	17.10	1.318	-0.01	0.845	1.114
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Sim-Tx	462000	2310	14.03	15.00	1.250	0.18	0.266	0.333
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Sim-Tx	462000	2310	14.03	15.00	1.250	-0.05	0.378	0.473
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Left Side	5mm	DSI3_Sim-Tx	462000	2310	14.03	15.00	1.250	-0.16	0.025	0.031
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Right Side	5mm	DSI3_Sim-Tx	462000	2310	14.03	15.00	1.250	0.16	0.040	0.050
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Top Side	5mm	DSI3_Sim-Tx	462000	2310	14.03	15.00	1.250	0.15	0.550	0.688
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Front	5mm	DSI3_Sim-Tx	462000	2310	13.97	15.00	1.268	0.05	0.274	0.347
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Back	5mm	DSI3_Sim-Tx	462000	2310	13.97	15.00	1.268	-0.12	0.430	0.545
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Left Side	5mm	DSI3_Sim-Tx	462000	2310	13.97	15.00	1.268	0.12	0.030	0.038
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Right Side	5mm	DSI3_Sim-Tx	462000	2310	13.97	15.00	1.268	0.19	0.038	0.048
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Top Side	5mm	DSI3_Sim-Tx	462000	2310	13.97	15.00	1.268	-0.04	0.543	0.688
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Front	5mm	DSI3_Sim-Tx	462000	2310	17.96	18.70	1.186	-0.1	0.343	0.407
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Back	5mm	DSI3_Sim-Tx	462000	2310	17.96	18.70	1.186	0.05	0.588	0.697
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Left Side	5mm	DSI3_Sim-Tx	462000	2310	17.96	18.70	1.186	-	n/a	n/a
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Right Side	5mm	DSI3_Sim-Tx	462000	2310	17.96	18.70	1.186	-	n/a	n/a
58	N30_Ant 1	10M	BPSK	1	50	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	462000	2310	17.96	18.70	1.186	-0.12	0.622	**0.738**
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Front	5mm	DSI3_Sim-Tx	462000	2310	17.90	18.70	1.202	-0.17	0.334	0.402
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Back	5mm	DSI3_Sim-Tx	462000	2310	17.90	18.70	1.202	0.03	0.504	0.606
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Left Side	5mm	DSI3_Sim-Tx	462000	2310	17.90	18.70	1.202	-	n/a	n/a
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Right Side	5mm	DSI3_Sim-Tx	462000	2310	17.90	18.70	1.202	-	n/a	n/a
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Bottom Side	5mm	DSI3_Sim-Tx	462000	2310	17.90	18.70	1.202	-0.13	0.553	0.665

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	0.18	0.322	0.384
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	-0.12	0.478	0.571
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Left Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	-	n/a	n/a
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Right Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	-	n/a	n/a
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	0.19	0.928	1.108
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	518598	2592.99	15.61	16.40	1.199	0.14	0.784	0.940
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	528000	2640	15.59	16.40	1.205	-0.19	0.815	0.982
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-0.09	0.349	0.419
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	0.16	0.471	0.565
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Left Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-	n/a	n/a
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Right Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-	n/a	n/a
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-0.13	0.986	1.183
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	518598	2592.99	15.43	16.40	1.250	-0.06	0.820	1.025
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	528000	2640	15.40	16.40	1.259	-0.19	0.834	1.050
	N41_Ant 1	100M	BPSK	270	0	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.48	16.40	1.236	0.13	0.918	1.135
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	0.18	0.322	0.384
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	-0.12	0.478	0.571
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Left Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	-	n/a	n/a
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Right Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	-	n/a	n/a
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	0.19	0.928	1.108
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	518598	2592.99	15.61	16.40	1.199	0.14	0.784	0.940
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	528000	2640	15.59	16.40	1.205	-0.19	0.815	0.982
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-0.09	0.349	0.419
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	0.16	0.471	0.565
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Left Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-	n/a	n/a
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Right Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-	n/a	n/a
59	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-0.13	0.986	**1.183**
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	518598	2592.99	15.43	16.40	1.250	-0.06	0.820	1.025
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	528000	2640	15.40	16.40	1.259	-0.19	0.834	1.050
	N41 HPUE_Ant 1	100M	BPSK	270	0	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.48	16.40	1.236	0.13	0.918	1.135
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Front	5mm	DSI3_Sim-Tx	650000	3750	10.31	11.00	1.172	-	n/a	n/a
60	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.31	11.00	1.172	0.05	0.536	**0.628**
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Sim-Tx	656000	3840	10.14	11.00	1.219	0.05	0.402	0.490
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Sim-Tx	662000	3930	10.02	11.00	1.253	0.12	0.488	0.612
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Left Side	5mm	DSI3_Sim-Tx	650000	3750	10.31	11.00	1.172	0.12	0.055	0.064
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Right Side	5mm	DSI3_Sim-Tx	650000	3750	10.31	11.00	1.172	-	n/a	n/a
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Top Side	5mm	DSI3_Sim-Tx	650000	3750	10.31	11.00	1.172	-0.03	0.050	0.059
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Front	5mm	DSI3_Sim-Tx	650000	3750	10.22	11.00	1.197	-	n/a	n/a
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.22	11.00	1.197	0.09	0.303	0.363
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Left Side	5mm	DSI3_Sim-Tx	650000	3750	10.22	11.00	1.197	0.14	0.057	0.069
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Right Side	5mm	DSI3_Sim-Tx	650000	3750	10.22	11.00	1.197	-	n/a	n/a
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Top Side	5mm	DSI3_Sim-Tx	650000	3750	10.22	11.00	1.197	-0.04	0.051	0.061
	N77_Ant 4	100M	BPSK	270	0	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.15	11.00	1.216	0.18	0.478	0.581
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Front	5mm	DSI3_Sim-Tx	650000	3750	10.46	11.30	1.213	0.01	0.008	0.010
61	N78_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.46	11.30	1.213	0.04	0.527	**0.639**
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Left Side	5mm	DSI3_Sim-Tx	650000	3750	10.46	11.30	1.213	-0.18	0.043	0.052
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Right Side	5mm	DSI3_Sim-Tx	650000	3750	10.46	11.30	1.213	0.14	0.004	0.005
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Top Side	5mm	DSI3_Sim-Tx	650000	3750	10.46	11.30	1.213	0.04	0.044	0.054
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Front	5mm	DSI3_Sim-Tx	650000	3750	10.43	11.30	1.222	0.01	0.009	0.011
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.43	11.30	1.222	-0.12	0.510	0.623
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Left Side	5mm	DSI3_Sim-Tx	650000	3750	10.43	11.30	1.222	0.14	0.044	0.054
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Right Side	5mm	DSI3_Sim-Tx	650000	3750	10.43	11.30	1.222	-0.02	0.004	0.005
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Top Side	5mm	DSI3_Sim-Tx	650000	3750	10.43	11.30	1.222	0.02	0.045	0.055

<WLAN2.4G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	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	5mm	Reduced_Standalone	6	2437	19.40	21.00	1.445	99.31	1.007	-0.08	0.324	0.472
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced_Standalone	6	2437	19.40	21.00	1.445	99.31	1.007	0.12	0.576	0.838
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Reduced_Standalone	6	2437	19.40	21.00	1.445	99.31	1.007	-0.09	0.187	0.272
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Reduced_Standalone	6	2437	19.40	21.00	1.445	99.31	1.007	0.07	0.056	0.082
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Reduced_Standalone	6	2437	19.40	21.00	1.445	99.31	1.007	-0.01	0.472	0.687
62	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced_Standalone	1	2412	19.40	21.00	1.445	99.31	1.007	-0.17	0.775	**1.128**
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced_Standalone	11	2462	19.40	21.00	1.445	99.31	1.007	-0.07	0.695	1.012
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Reduced_Sim-Tx	6	2437	17.40	19.00	1.445	99.31	1.007	-0.13	0.188	0.274
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced_Sim-Tx	6	2437	17.40	19.00	1.445	99.31	1.007	0.03	0.402	0.585
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Reduced_Sim-Tx	6	2437	17.40	19.00	1.445	99.31	1.007	-0.14	0.116	0.169
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Reduced_Sim-Tx	6	2437	17.40	19.00	1.445	99.31	1.007	-	n/a	n/a
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Reduced_Sim-Tx	6	2437	17.40	19.00	1.445	99.31	1.007	0.01	0.283	0.412

<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	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)
	WLAN5.2GHz	802.11a 6Mbps	Front	5mm	Reduced_Standalone	48	5240	9.53	11.00	1.403	98.28	1.018	-	n/a	n/a
	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	48	5240	9.53	11.00	1.403	98.28	1.018	0.16	0.766	1.094
	WLAN5.2GHz	802.11a 6Mbps	Left Side	5mm	Reduced_Standalone	48	5240	9.53	11.00	1.403	98.28	1.018	-0.11	0.027	0.038
	WLAN5.2GHz	802.11a 6Mbps	Right Side	5mm	Reduced_Standalone	48	5240	9.53	11.00	1.403	98.28	1.018	-0.16	0.007	0.010
	WLAN5.2GHz	802.11a 6Mbps	Top Side	5mm	Reduced_Standalone	48	5240	9.53	11.00	1.403	98.28	1.018	-0.07	0.104	0.149
	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	40	5200	9.51	11.00	1.409	98.28	1.018	-0.19	0.788	1.131
63	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	44	5220	9.50	11.00	1.413	98.28	1.018	-0.15	0.815	**1.172**
	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	36	5180	8.70	10.00	1.349	98.28	1.018	-0.06	0.654	0.898
	WLAN5.2GHz	802.11a 6Mbps	Front	5mm	Reduced_Sim-Tx	48	5240	6.03	7.50	1.403	98.28	1.018	-	n/a	n/a
	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Sim-Tx	48	5240	6.03	7.50	1.403	98.28	1.018	0.12	0.481	0.687
	WLAN5.2GHz	802.11a 6Mbps	Left Side	5mm	Reduced_Sim-Tx	48	5240	6.03	7.50	1.403	98.28	1.018	0.07	0.015	0.021
	WLAN5.2GHz	802.11a 6Mbps	Right Side	5mm	Reduced_Sim-Tx	48	5240	6.03	7.50	1.403	98.28	1.018	-0.16	0.003	0.004
	WLAN5.2GHz	802.11a 6Mbps	Top Side	5mm	Reduced_Sim-Tx	48	5240	6.03	7.50	1.403	98.28	1.018	-0.02	0.050	0.071
	WLAN5.8GHz	802.11a 6Mbps	Front	5mm	Reduced_Standalone	165	5825	10.63	12.00	1.371	98.28	1.018	0.07	0.008	0.011
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	165	5825	10.63	12.00	1.371	98.28	1.018	-0.16	0.574	0.801
	WLAN5.8GHz	802.11a 6Mbps	Left Side	5mm	Reduced_Standalone	165	5825	10.63	12.00	1.371	98.28	1.018	-0.11	0.010	0.014
	WLAN5.8GHz	802.11a 6Mbps	Right Side	5mm	Reduced_Standalone	165	5825	10.63	12.00	1.371	98.28	1.018	-	n/a	n/a
	WLAN5.8GHz	802.11a 6Mbps	Top Side	5mm	Reduced_Standalone	165	5825	10.63	12.00	1.371	98.28	1.018	0.04	0.059	0.082
64	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	149	5745	10.54	12.00	1.400	98.28	1.018	0.06	0.739	**1.053**
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	157	5785	10.55	12.00	1.396	98.28	1.018	0.18	0.450	0.640
	WLAN5.8GHz	802.11a 6Mbps	Front	5mm	Reduced_Sim-Tx	165	5825	8.63	10.00	1.371	98.28	1.018	0.07	0.006	0.008
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Reduced_Sim-Tx	165	5825	8.63	10.00	1.371	98.28	1.018	0.09	0.284	0.396
	WLAN5.8GHz	802.11a 6Mbps	Left Side	5mm	Reduced_Sim-Tx	165	5825	8.63	10.00	1.371	98.28	1.018	0.12	0.006	0.008
	WLAN5.8GHz	802.11a 6Mbps	Right Side	5mm	Reduced_Sim-Tx	165	5825	8.63	10.00	1.371	98.28	1.018	-	n/a	n/a
	WLAN5.8GHz	802.11a 6Mbps	Top Side	5mm	Reduced_Sim-Tx	165	5825	8.63	10.00	1.371	98.28	1.018	0.03	0.039	0.054

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	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	DH5 1Mbps	Front	5mm	Full	0	2402	11.10	12.00	1.230	76.6	1.305	-0.18	0.014	0.022
65	Bluetooth	DH5 1Mbps	Back	5mm	Full	0	2402	11.10	12.00	1.230	76.6	1.305	0.08	0.031	**0.050**
	Bluetooth	DH5 1Mbps	Left Side	5mm	Full	0	2402	11.10	12.00	1.230	76.6	1.305	0.02	0.008	0.013
	Bluetooth	DH5 1Mbps	Right Side	5mm	Full	0	2402	11.10	12.00	1.230	76.6	1.305	-0.02	0.004	0.006
	Bluetooth	DH5 1Mbps	Top Side	5mm	Full	0	2402	11.10	12.00	1.230	76.6	1.305	-0.11	0.018	0.029

16.3 Body Worn Accessory SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	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_Ant8	GPRS(3 Tx slots)	Front	5mm	DSI3_Standalone/Sim-Tx	189	836.4	28.50	29.40	1.230	-0.02	0.299	0.368
66	GSM850_Ant8	GPRS(3 Tx slots)	Back	5mm	DSI3_Standalone/Sim-Tx	189	836.4	28.50	29.40	1.230	0.01	0.959	**1.180**
	GSM850_Ant8	GPRS(3 Tx slots)	Back	5mm	DSI3_Standalone/Sim-Tx	128	824.2	28.41	29.40	1.256	-0.19	0.873	1.097
	GSM850_Ant8	GPRS(3 Tx slots)	Back	5mm	DSI3_Standalone/Sim-Tx	251	848.8	28.05	29.40	1.365	-0.09	0.855	1.167
	GSM850_Ant8	GPRS(3 Tx slots)	Front	21mm	DSI4	189	836.4	29.70	31.00	1.349	0.14	0.140	0.189
	GSM850_Ant8	GPRS(3 Tx slots)	Back	28mm	DSI4	189	836.4	29.70	31.00	1.349	-0.09	0.085	0.115
	GSM1900_Ant1	GPRS(3 Tx slots)	Front	5mm	DSI3_Standalone	512	1850.2	23.40	24.20	1.202	-0.06	0.449	0.540
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	5mm	DSI3_Standalone	512	1850.2	23.40	24.20	1.202	0.01	0.813	0.977
67	GSM1900_Ant1	GPRS(3 Tx slots)	Back	5mm	DSI3_Standalone	661	1880	23.35	24.20	1.216	-0.09	0.869	**1.057**
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	5mm	DSI3_Standalone	810	1909.8	23.22	24.20	1.253	0.16	0.773	0.969
	GSM1900_Ant1	GPRS(3 Tx slots)	Front	21mm	DSI4	512	1850.2	27.03	28.00	1.250	-0.06	0.110	0.138
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	28mm	DSI4	661	1880	26.93	28.00	1.279	-0.14	0.118	0.151
	GSM1900_Ant1	GPRS(3 Tx slots)	Front	5mm	DSI3_Sim-Tx	512	1850.2	22.40	23.30	1.230	-0.16	0.378	0.465
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	5mm	DSI3_Sim-Tx	512	1850.2	22.40	23.30	1.230	0.09	0.668	0.822
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	5mm	DSI3_Sim-Tx	661	1880	22.39	23.30	1.233	0.13	0.738	0.910
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	5mm	DSI3_Sim-Tx	810	1909.8	22.30	23.30	1.259	0.15	0.647	0.815

<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	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)
	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Front	5mm	DSI3_Standalone	384	836.52	21.46	22.60	1.300	-0.18	0.205	0.267
	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Standalone	384	836.52	21.46	22.60	1.300	-0.11	0.752	0.978
68	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Standalone	1013	824.7	21.41	22.60	1.315	-0.02	0.864	**1.136**
	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Standalone	777	848.31	21.36	22.60	1.330	-0.04	0.732	0.974
	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Front	21mm	DSI4	384	836.52	23.76	25.00	1.330	0.07	0.061	0.081
	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Back	28mm	DSI4	1013	824.7	23.74	25.00	1.337	-0.06	0.077	0.103
	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Front	5mm	DSI3_Sim-Tx	384	836.52	20.86	22.00	1.300	0.16	0.185	0.241
	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Sim-Tx	384	836.52	20.86	22.00	1.300	0.11	0.696	0.905
	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Sim-Tx	1013	824.7	20.81	22.00	1.315	0.17	0.745	0.980
	CDMA BC0_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Sim-Tx	777	848.31	20.73	22.00	1.340	-0.02	0.682	0.914
	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Front	5mm	DSI3_Standalone	580	820.5	22.00	23.00	1.259	-0.07	0.214	0.269
	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Standalone	580	820.5	22.00	23.00	1.259	0.05	0.915	1.152
	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Standalone	476	817.9	21.98	23.00	1.265	-0.1	0.836	1.057
69	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Standalone	684	823.1	21.99	23.00	1.262	-0.02	0.938	**1.184**
	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Front	21mm	DSI4	580	820.5	23.82	25.00	1.312	0.01	0.056	0.073
	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Back	28mm	DSI4	684	823.1	23.76	25.00	1.330	0.18	0.073	0.097
	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Front	5mm	DSI3_Sim-Tx	580	820.5	21.55	22.70	1.303	-0.1	0.218	0.284
	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Sim-Tx	580	820.5	21.55	22.70	1.303	-0.16	0.815	1.062
	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Sim-Tx	476	817.9	21.54	22.70	1.306	0.11	0.789	1.031
	CDMA BC10_Ant8	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Sim-Tx	684	823.1	21.50	22.70	1.318	0.13	0.861	1.135
	CDMA BC1_Ant1	RC3 SO32 (F+SCH)	Front	5mm	DSI3_Standalone	25	1851.25	17.12	18.30	1.312	0.09	0.490	0.643
	CDMA BC1_Ant1	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Standalone	25	1851.25	17.12	18.30	1.312	0.11	0.740	0.971
	CDMA BC1_Ant1	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Standalone	600	1880	17.09	18.30	1.321	-0.08	0.781	1.032
70	CDMA BC1_Ant1	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Standalone	1175	1908.75	16.96	18.30	1.361	-0.07	0.853	**1.161**
	CDMA BC1_Ant1	RC3 SO32 (F+SCH)	Front	21mm	DSI4	25	1851.25	23.92	25.00	1.282	0.15	0.194	0.249
	CDMA BC1_Ant1	RC3 SO32 (F+SCH)	Back	28mm	DSI4	1175	1908.75	23.78	25.00	1.324	0.05	0.237	0.314
	CDMA BC1_Ant1	RC3 SO32 (F+SCH)	Front	5mm	DSI3_Sim-Tx	25	1851.25	15.24	16.40	1.306	-0.19	0.301	0.393
	CDMA BC1_Ant1	RC3 SO32 (F+SCH)	Back	5mm	DSI3_Sim-Tx	25	1851.25	15.24	16.40	1.306	-0.11	0.478	0.624

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	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 V_Ant8	RMC 12.2Kbps	Front	5mm	DSI3_Standalone/Sim-Tx	4182	836.4	21.52	22.50	1.253	0.15	0.181	0.227
	WCDMA V_Ant8	RMC 12.2Kbps	Back	5mm	DSI3_Standalone/Sim-Tx	4182	836.4	21.52	22.50	1.253	-0.03	0.700	0.877
71	WCDMA V_Ant8	RMC 12.2Kbps	Back	5mm	DSI3_Standalone/Sim-Tx	4132	826.4	21.40	22.50	1.288	-0.13	0.731	**0.942**
	WCDMA V_Ant8	RMC 12.2Kbps	Back	5mm	DSI3_Standalone/Sim-Tx	4233	846.6	21.50	22.50	1.259	0.18	0.603	0.759
	WCDMA V_Ant8	RMC 12.2Kbps	Front	21mm	DSI4	4182	836.4	22.87	24.00	1.297	-0.09	0.094	0.122
	WCDMA V_Ant8	RMC 12.2Kbps	Back	28mm	DSI4	4233	846.6	22.74	24.00	1.337	0.1	0.071	0.095
	WCDMA IV_Ant1	RMC 12.2Kbps	Front	5mm	DSI3_Standalone	1413	1732.6	17.72	18.70	1.253	-0.03	0.403	0.505
	WCDMA IV_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Standalone	1413	1732.6	17.72	18.70	1.253	0.18	0.757	0.949
	WCDMA IV_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Standalone	1312	1712.4	17.60	18.70	1.288	0.15	0.720	0.928
72	WCDMA IV_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Standalone	1513	1752.6	17.60	18.70	1.288	-0.13	0.790	**1.018**
	WCDMA IV_Ant1	RMC 12.2Kbps	Front	21mm	DSI4	1413	1732.6	23.11	24.00	1.227	-0.08	0.283	0.347
	WCDMA IV_Ant1	RMC 12.2Kbps	Back	28mm	DSI4	1513	1752.6	22.95	24.00	1.274	0.18	0.218	0.278
	WCDMA IV_Ant1	RMC 12.2Kbps	Front	5mm	DSI3_Sim-Tx	1413	1732.6	16.03	16.90	1.222	-0.05	0.288	0.352
	WCDMA IV_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Sim-Tx	1413	1732.6	16.03	16.90	1.222	-0.19	0.461	0.563
	WCDMA II_Ant1	RMC 12.2Kbps	Front	5mm	DSI3_Standalone	9262	1852.4	16.52	17.40	1.225	0.12	0.463	0.567
	WCDMA II_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Standalone	9262	1852.4	16.52	17.40	1.225	0.15	0.712	0.872
	WCDMA II_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Standalone	9400	1880	16.49	17.40	1.233	-0.13	0.683	0.842
73	WCDMA II_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Standalone	9538	1907.6	16.21	17.40	1.315	-0.16	0.841	**1.106**
	WCDMA II_Ant1	RMC 12.2Kbps	Front	21mm	DSI4	9262	1852.4	23.16	24.00	1.213	0.18	0.270	0.328
	WCDMA II_Ant1	RMC 12.2Kbps	Back	28mm	DSI4	9538	1907.6	22.81	24.00	1.315	-0.05	0.276	0.363
	WCDMA II_Ant1	RMC 12.2Kbps	Front	5mm	DSI3_Sim-Tx	9262	1852.4	14.55	15.40	1.216	0.16	0.310	0.377
	WCDMA II_Ant1	RMC 12.2Kbps	Back	5mm	DSI3_Sim-Tx	9262	1852.4	14.55	15.40	1.216	-0.16	0.439	0.534

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant2	20M	QPSK	1	0	Front	5mm	DSI4	133322	683	23.10	24.00	1.230	-0.03	0.420	0.517
	LTE Band 71_Ant2	20M	QPSK	1	0	Back	5mm	DSI4	133322	683	23.10	24.00	1.230	-0.15	0.518	0.637
	LTE Band 71_Ant2	20M	QPSK	50	0	Front	5mm	DSI4	133322	683	22.18	23.00	1.208	0.02	0.251	0.303
	LTE Band 71_Ant2	20M	QPSK	50	0	Back	5mm	DSI4	133322	683	22.18	23.00	1.208	-0.15	0.268	0.324
	LTE Band 71_Ant8	20M	QPSK	1	0	Front	5mm	DSI4	133322	683	22.86	24.00	1.300	0.02	0.169	0.220
74	LTE Band 71_Ant8	20M	QPSK	1	0	Back	5mm	DSI4	133322	683	22.86	24.00	1.300	-0.11	0.609	**0.792**
	LTE Band 71_Ant8	20M	QPSK	50	0	Front	5mm	DSI4	133322	683	21.96	23.00	1.271	0.07	0.079	0.100
	LTE Band 71_Ant8	20M	QPSK	50	0	Back	5mm	DSI4	133322	683	21.96	23.00	1.271	-0.05	0.562	0.714
	LTE Band 12_Ant2	10M	QPSK	1	49	Front	5mm	DSI4	23095	707.5	22.71	24.00	1.346	-0.18	0.537	0.723
	LTE Band 12_Ant2	10M	QPSK	1	49	Back	5mm	DSI4	23095	707.5	22.71	24.00	1.346	-0.03	0.633	0.852
	LTE Band 12_Ant2	10M	QPSK	25	25	Front	5mm	DSI4	23095	707.5	21.99	23.00	1.262	-0.01	0.314	0.396
	LTE Band 12_Ant2	10M	QPSK	25	25	Back	5mm	DSI4	23095	707.5	21.99	23.00	1.262	-0.06	0.477	0.602
	LTE Band 12_Ant2	10M	QPSK	50	0	Back	5mm	DSI4	23095	707.5	21.98	23.00	1.265	0.03	0.473	0.598
	LTE Band 12_Ant2	10M	QPSK	1	49	Front	5mm	DSI3_Sim-Tx	23095	707.5	21.96	23.10	1.300	0.15	0.240	0.312
	LTE Band 12_Ant2	10M	QPSK	1	49	Back	5mm	DSI3_Sim-Tx	23095	707.5	21.96	23.10	1.300	-0.08	0.422	0.549
	LTE Band 12_Ant2	10M	QPSK	25	25	Front	5mm	DSI3_Sim-Tx	23095	707.5	21.89	23.00	1.291	0.16	0.251	0.324
	LTE Band 12_Ant2	10M	QPSK	25	25	Back	5mm	DSI3_Sim-Tx	23095	707.5	21.89	23.00	1.291	-0.05	0.436	0.563
	LTE Band 12_Ant8	10M	QPSK	1	49	Front	5mm	DSI4	23095	707.5	22.93	24.00	1.279	-0.09	0.217	0.278
75	LTE Band 12_Ant8	10M	QPSK	1	49	Back	5mm	DSI4	23095	707.5	22.93	24.00	1.279	-0.04	0.725	**0.928**
	LTE Band 12_Ant8	10M	QPSK	25	25	Front	5mm	DSI4	23095	707.5	22.24	23.00	1.191	0.18	0.129	0.154
	LTE Band 12_Ant8	10M	QPSK	25	25	Back	5mm	DSI4	23095	707.5	22.24	23.00	1.191	0.04	0.558	0.665
	LTE Band 12_Ant8	10M	QPSK	50	0	Back	5mm	DSI4	23095	707.5	22.13	23.00	1.222	0.05	0.654	0.799
	LTE Band 13_Ant2	10M	QPSK	1	49	Front	5mm	DSI4	23230	782	23.91	24.00	1.021	-0.03	0.398	0.406
	LTE Band 13_Ant2	10M	QPSK	1	49	Back	5mm	DSI4	23230	782	23.91	24.00	1.021	-0.06	0.525	0.536
	LTE Band 13_Ant2	10M	QPSK	25	25	Front	5mm	DSI4	23230	782	22.87	23.00	1.030	0.19	0.269	0.277
	LTE Band 13_Ant2	10M	QPSK	25	25	Back	5mm	DSI4	23230	782	22.87	23.00	1.030	0.18	0.348	0.359
	LTE Band 13_Ant8	10M	QPSK	1	49	Front	5mm	DSI3_Standalone/Sim-Tx	23230	782	20.93	22.20	1.340	0.05	0.253	0.339
	LTE Band 13_Ant8	10M	QPSK	1	49	Back	5mm	DSI3_Standalone/Sim-Tx	23230	782	20.93	22.20	1.340	-0.17	0.738	0.989
	LTE Band 13_Ant8	10M	QPSK	1	49	Front	21mm	DSI4	23230	782	22.94	24.00	1.276	-0.09	0.124	0.158
	LTE Band 13_Ant8	10M	QPSK	1	49	Back	28mm	DSI4	23230	782	22.94	24.00	1.276	-0.03	0.092	0.117
	LTE Band 13_Ant8	10M	QPSK	25	25	Front	5mm	DSI3_Standalone/Sim-Tx	23230	782	20.91	22.20	1.346	-0.08	0.310	0.417
	LTE Band 13_Ant8	10M	QPSK	25	25	Back	5mm	DSI3_Standalone/Sim-Tx	23230	782	20.91	22.20	1.346	0.02	0.762	1.026
	LTE Band 13_Ant8	10M	QPSK	25	25	Front	21mm	DSI4	23230	782	21.98	23.00	1.265	-0.02	0.094	0.119
	LTE Band 13_Ant8	10M	QPSK	25	25	Back	28mm	DSI4	23230	782	21.98	23.00	1.265	0.07	0.062	0.078
76	LTE Band 13_Ant8	10M	QPSK	50	0	Back	5mm	DSI3_Standalone/Sim-Tx	23230	782	20.75	22.20	1.396	-0.04	0.761	**1.063**
	LTE Band 13_Ant8	10M	QPSK	50	0	Back	28mm	DSI4	23230	782	21.98	23.00	1.265	-0.08	0.057	0.072
	LTE Band 14_Ant2	10M	QPSK	1	0	Front	5mm	DSI4	23330	793	23.83	24.00	1.040	0.01	0.562	0.584
	LTE Band 14_Ant2	10M	QPSK	1	0	Back	5mm	DSI4	23330	793	23.83	24.00	1.040	0.18	0.847	0.881
	LTE Band 14_Ant2	10M	QPSK	25	12	Front	5mm	DSI4	23330	793	22.84	23.00	1.038	0.19	0.335	0.348
	LTE Band 14_Ant2	10M	QPSK	25	12	Back	5mm	DSI4	23330	793	22.84	23.00	1.038	-0.02	0.480	0.498
	LTE Band 14_Ant2	10M	QPSK	50	0	Back	5mm	DSI4	23330	793	22.77	23.00	1.054	0.16	0.462	0.487
	LTE Band 14_Ant2	10M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	23330	793	21.77	22.60	1.211	-0.19	0.422	0.511
	LTE Band 14_Ant2	10M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	23330	793	21.77	22.60	1.211	0.08	0.498	0.603
	LTE Band 14_Ant2	10M	QPSK	25	12	Front	5mm	DSI3_Sim-Tx	23330	793	21.60	22.60	1.259	-0.19	0.381	0.480
	LTE Band 14_Ant2	10M	QPSK	25	12	Back	5mm	DSI3_Sim-Tx	23330	793	21.60	22.60	1.259	0.01	0.442	0.556
	LTE Band 14_Ant8	10M	QPSK	1	49	Front	5mm	DSI3_Standalone/Sim-Tx	23330	793	20.40	21.50	1.288	-0.01	0.260	0.335
77	LTE Band 14_Ant8	10M	QPSK	1	49	Back	5mm	DSI3_Standalone/Sim-Tx	23330	793	20.40	21.50	1.288	-0.14	0.889	**1.145**
	LTE Band 14_Ant8	10M	QPSK	1	49	Front	21mm	DSI4	23330	793	22.78	24.00	1.324	-0.04	0.121	0.160
	LTE Band 14_Ant8	10M	QPSK	1	49	Back	28mm	DSI4	23330	793	22.78	24.00	1.324	0.03	0.091	0.121
	LTE Band 14_Ant8	10M	QPSK	25	25	Front	5mm	DSI3_Standalone/Sim-Tx	23330	793	20.25	21.50	1.334	-0.14	0.249	0.332
	LTE Band 14_Ant8	10M	QPSK	25	25	Back	5mm	DSI3_Standalone/Sim-Tx	23330	793	20.25	21.50	1.334	0.08	0.723	0.964
	LTE Band 14_Ant8	10M	QPSK	50	0	Back	5mm	DSI3_Standalone/Sim-Tx	23330	793	20.15	21.50	1.365	-0.19	0.752	1.026

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant2	15M	QPSK	1	0	Front	5mm	DSI4	26765	821.5	23.26	24.00	1.186	-0.1	0.630	0.747
	LTE Band 26_Ant2	15M	QPSK	1	0	Back	5mm	DSI4	26765	821.5	23.26	24.00	1.186	-0.01	0.981	1.163
	LTE Band 5B_Ant2	10M	QPSK	1	0	Back	5mm	DSI4	20575(PCC)+20476(SCC)	841.5(PCC)+831.6(SCC)	22.98	24.00	1.265	0.03	0.703	0.889
	LTE Band 5B_Ant2	10M	QPSK	1	49	Back	5mm	DSI4	20450(PCC)+20549(SCC)	829(PCC)+838.9(SCC)	22.92	24.00	1.282	-0.04	0.694	0.890
	LTE Band 5B_Ant2	10M	QPSK	1	0	Back	5mm	DSI4	20600(PCC)+20501(SCC)	844(PCC)+834.1(SCC)	22.95	24.00	1.274	-0.09	0.682	0.869
	LTE Band 26_Ant2	15M	QPSK	36	39	Front	5mm	DSI4	26765	821.5	22.40	23.00	1.148	0.05	0.570	0.654
	LTE Band 26_Ant2	15M	QPSK	36	39	Back	5mm	DSI4	26765	821.5	22.40	23.00	1.148	-0.02	0.808	0.928
	LTE Band 26_Ant2	15M	QPSK	75	0	Back	5mm	DSI4	26765	821.5	22.31	23.00	1.172	0.17	0.832	0.975
	LTE Band 26_Ant2	15M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	26765	821.5	21.24	21.70	1.112	-0.04	0.461	0.513
	LTE Band 26_Ant2	15M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	26765	821.5	21.24	21.70	1.112	-0.12	0.455	0.506
	LTE Band 26_Ant2	15M	QPSK	36	39	Front	5mm	DSI3_Sim-Tx	26765	821.5	21.19	21.70	1.125	0.04	0.471	0.530
	LTE Band 26_Ant2	15M	QPSK	36	39	Back	5mm	DSI3_Sim-Tx	26765	821.5	21.19	21.70	1.125	-0.12	0.535	0.602
	LTE Band 5B_Ant2	10M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	20575(PCC)+20476(SCC)	841.5(PCC)+831.6(SCC)	21.04	21.70	1.164	0.04	0.370	0.431
	LTE Band 26_Ant8	15M	QPSK	1	0	Front	5mm	DSI3_Standalone/Sim-Tx	26765	821.5	20.60	21.60	1.259	-0.11	0.199	0.251
	LTE Band 26_Ant8	15M	QPSK	1	0	Back	5mm	DSI3_Standalone/Sim-Tx	26765	821.5	20.60	21.60	1.259	-0.15	0.774	0.974
	LTE Band 26_Ant8	15M	QPSK	1	0	Back	5mm	DSI3_Standalone/Sim-Tx	26865	831.5	20.30	21.60	1.349	0.04	0.707	0.954
	LTE Band 26_Ant8	15M	QPSK	1	0	Back	5mm	DSI3_Standalone/Sim-Tx	26965	841.5	20.23	21.60	1.371	0.09	0.678	0.929
	LTE Band 26_Ant8	15M	QPSK	1	0	Front	21mm	DSI4	26765	821.5	22.54	24.00	1.400	-0.03	0.054	0.076
	LTE Band 26_Ant8	15M	QPSK	1	0	Back	28mm	DSI4	26765	821.5	22.54	24.00	1.400	-0.03	0.047	0.066
	LTE Band 26_Ant8	15M	QPSK	36	0	Front	5mm	DSI3_Standalone/Sim-Tx	26765	821.5	20.40	21.60	1.318	0.15	0.202	0.266
78	LTE Band 26_Ant8	15M	QPSK	36	0	Back	5mm	DSI3_Standalone/Sim-Tx	26765	821.5	20.40	21.60	1.318	-0.05	0.900	**1.186**
	LTE Band 26_Ant8	15M	QPSK	36	0	Back	5mm	DSI3_Standalone/Sim-Tx	26865	831.5	20.20	21.60	1.380	0.19	0.843	1.164
	LTE Band 26_Ant8	15M	QPSK	36	0	Back	5mm	DSI3_Standalone/Sim-Tx	26965	841.5	20.25	21.60	1.365	0.01	0.818	1.116
	LTE Band 26_Ant8	15M	QPSK	36	0	Front	21mm	DSI4	26765	821.5	21.69	23.00	1.352	-	n/a	n/a
	LTE Band 26_Ant8	15M	QPSK	36	0	Back	28mm	DSI4	26765	821.5	21.69	23.00	1.352	-	n/a	n/a
	LTE Band 5B_Ant8	10M	QPSK	1	0	Back	5mm	DSI3_Standalone/Sim-Tx	20575(PCC)+20476(SCC)	841.5(PCC)+831.6(SCC)	20.23	21.60	1.371	0.05	0.746	1.023
	LTE Band 5B_Ant8	10M	QPSK	1	49	Back	5mm	DSI3_Standalone/Sim-Tx	20450(PCC)+20549(SCC)	829(PCC)+838.9(SCC)	20.10	21.60	1.413	0.07	0.721	1.018
	LTE Band 5B_Ant8	10M	QPSK	1	0	Back	5mm	DSI3_Standalone/Sim-Tx	20600(PCC)+20501(SCC)	844(PCC)+834.1(SCC)	20.27	21.60	1.358	0.02	0.727	0.987
	LTE Band 26_Ant8	15M	QPSK	75	0	Back	5mm	DSI3_Standalone/Sim-Tx	26765	821.5	20.30	21.60	1.349	-0.12	0.733	0.989

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant2	20M	QPSK	1	0	Front	5mm	DSI3_Standalone	132322	1745	17.81	18.40	1.146	-0.04	0.436	0.499
	LTE Band 66_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	132322	1745	17.81	18.40	1.146	0.01	0.717	0.821
	LTE Band 66_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	132072	1720	17.43	18.40	1.250	0.03	0.663	0.829
	LTE Band 66_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	132572	1770	17.52	18.40	1.225	0.01	0.806	0.987
	LTE Band 66_Ant2	20M	QPSK	1	0	Front	21mm	DSI4	132322	1745	22.39	24.00	1.449	0.16	0.243	0.352
	LTE Band 66_Ant2	20M	QPSK	1	0	Back	28mm	DSI4	132572	1770	22.27	24.00	1.489	-0.13	0.182	0.271
	LTE Band 66_Ant2	20M	QPSK	50	24	Front	5mm	DSI3_Standalone	132322	1745	17.42	18.40	1.253	0.1	0.462	0.579
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	5mm	DSI3_Standalone	132322	1745	17.42	18.40	1.253	0.03	0.727	0.911
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	5mm	DSI3_Standalone	132072	1720	17.39	18.40	1.262	-0.11	0.718	0.906
79	LTE Band 66_Ant2	20M	QPSK	50	24	Back	5mm	DSI3_Standalone	132572	1770	17.23	18.40	1.309	-0.09	0.789	**1.033**
	LTE Band 66C_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	132572(PCC)+ 132374(SCC)	1770(PCC)+ 1750.2(SCC)	17.45	18.40	1.245	0.17	0.631	0.785
	LTE Band 66_Ant2	20M	QPSK	50	24	Front	21mm	DSI4	132322	1745	21.41	23.00	1.442	0.19	0.131	0.189
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	28mm	DSI4	132572	1770	21.29	23.00	1.483	0.12	0.097	0.144
	LTE Band 66_Ant2	20M	QPSK	100	0	Back	5mm	DSI3_Standalone	132322	1745	17.34	18.40	1.276	-0.02	0.807	1.030
	LTE Band 66_Ant2	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	132322	1745	14.79	15.60	1.205	-0.06	0.230	0.277
	LTE Band 66_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	132322	1745	14.79	15.60	1.205	-0.05	0.367	0.442
	LTE Band 66_Ant2	20M	QPSK	50	24	Front	5mm	DSI3_Sim-Tx	132322	1745	14.76	15.60	1.213	0.1	0.247	0.300
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	5mm	DSI3_Sim-Tx	132322	1745	14.76	15.60	1.213	-0.1	0.400	0.485
	LTE Band 66C_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	14.67	15.60	1.239	0.01	0.298	0.369
	LTE Band 66_Ant1	20M	QPSK	1	0	Front	5mm	DSI3_Standalone	132322	1745	17.65	18.80	1.303	0.07	0.421	0.549
	LTE Band 66_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	132322	1745	17.65	18.80	1.303	0.1	0.619	0.807
	LTE Band 66_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	132072	1720	17.20	18.80	1.445	-0.07	0.494	0.714
	LTE Band 66_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	132572	1770	17.19	18.80	1.449	0.04	0.638	0.924
	LTE Band 66_Ant1	20M	QPSK	1	0	Front	21mm	DSI4	132322	1745	22.91	24.00	1.285	-0.01	0.298	0.383
	LTE Band 66_Ant1	20M	QPSK	1	0	Back	28mm	DSI4	132572	1770	22.62	24.00	1.374	-0.17	0.237	0.326
	LTE Band 66_Ant1	20M	QPSK	50	24	Front	5mm	DSI3_Standalone	132322	1745	17.45	18.80	1.365	0.16	0.426	0.581
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	5mm	DSI3_Standalone	132322	1745	17.45	18.80	1.365	-0.16	0.625	0.853
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	5mm	DSI3_Standalone	132072	1720	17.30	18.80	1.413	-0.13	0.679	0.959
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	5mm	DSI3_Standalone	132572	1770	17.18	18.80	1.452	-0.17	0.606	0.880
	LTE Band 66C_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	17.19	18.80	1.449	0.16	0.652	0.945
	LTE Band 66C_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	132072(PCC)+ 132270(SCC)	1720(PCC)+ 1739.8(SCC)	17.30	18.80	1.413	0.13	0.676	0.955
	LTE Band 66C_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	132572(PCC)+ 132374(SCC)	1770(PCC)+ 1750.2(SCC)	17.12	18.80	1.472	0.18	0.637	0.938
	LTE Band 66_Ant1	20M	QPSK	50	24	Front	21mm	DSI4	132322	1745	21.80	23.00	1.318	-0.17	0.163	0.215
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	28mm	DSI4	132072	1720	21.74	23.00	1.337	-0.08	0.144	0.192
	LTE Band 66_Ant1	20M	QPSK	100	0	Back	5mm	DSI3_Standalone	132322	1745	17.34	18.80	1.400	-0.18	0.673	0.942
	LTE Band 66_Ant1	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	132322	1745	16.68	17.70	1.265	0.13	0.330	0.417
	LTE Band 66_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	132322	1745	16.68	17.70	1.265	0.17	0.402	0.508
	LTE Band 66_Ant1	20M	QPSK	50	24	Front	5mm	DSI3_Sim-Tx	132322	1745	16.36	17.70	1.361	-0.08	0.339	0.462
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	5mm	DSI3_Sim-Tx	132322	1745	16.36	17.70	1.361	-0.06	0.499	0.679
	LTE Band 66C_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	16.15	17.70	1.429	0.05	0.413	0.590

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant2	20M	QPSK	1	0	Front	5mm	DSI3_Standalone	26140	1860	17.04	17.80	1.191	-0.06	0.426	0.507
	LTE Band 25_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	26140	1860	17.04	17.80	1.191	-0.18	0.631	0.752
	LTE Band 25_Ant2	20M	QPSK	1	0	Front	21mm	DSI4	26140	1860	22.48	24.00	1.419	0.01	0.273	0.387
	LTE Band 25_Ant2	20M	QPSK	1	0	Back	28mm	DSI4	26140	1860	22.48	24.00	1.419	-0.17	0.203	0.288
	LTE Band 25_Ant2	20M	QPSK	50	0	Front	5mm	DSI3_Standalone	26140	1860	16.87	17.80	1.239	0.15	0.463	0.574
	LTE Band 25_Ant2	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	26140	1860	16.87	17.80	1.239	0.14	0.666	0.825
	LTE Band 25_Ant2	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	26340	1880	16.78	17.80	1.265	0.07	0.790	0.999
	LTE Band 25_Ant2	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	26590	1905	16.61	17.80	1.315	-0.18	0.656	0.863
	LTE Band 25_Ant2	20M	QPSK	50	0	Front	21mm	DSI4	26140	1860	21.56	23.00	1.393	-0.15	0.155	0.216
	LTE Band 25_Ant2	20M	QPSK	50	0	Back	28mm	DSI4	26340	1880	21.53	23.00	1.403	0.06	0.145	0.203
	LTE Band 25_Ant2	20M	QPSK	100	0	Back	5mm	DSI3_Standalone	26140	1860	16.83	17.80	1.250	0.11	0.591	0.739
	LTE Band 25_Ant2	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	26140	1860	12.73	13.60	1.222	-0.19	0.222	0.271
	LTE Band 25_Ant2	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	26140	1860	12.73	13.60	1.222	0.03	0.344	0.420
	LTE Band 25_Ant2	20M	QPSK	50	0	Front	5mm	DSI3_Sim-Tx	26140	1860	12.60	13.60	1.259	-0.11	0.235	0.296
	LTE Band 25_Ant2	20M	QPSK	50	0	Back	5mm	DSI3_Sim-Tx	26140	1860	12.60	13.60	1.259	-0.01	0.362	0.456
	LTE Band 25_Ant1	20M	QPSK	1	0	Front	5mm	DSI3_Standalone	26140	1860	16.94	17.90	1.247	-0.17	0.461	0.575
	LTE Band 25_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	26140	1860	16.94	17.90	1.247	0.09	0.718	0.896
	LTE Band 25_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	26340	1880	16.80	17.90	1.288	-0.12	0.650	0.837
	LTE Band 25_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	26590	1905	16.63	17.90	1.340	0.18	0.727	0.974
	LTE Band 25_Ant1	20M	QPSK	1	0	Front	21mm	DSI4	26140	1860	22.87	24.00	1.297	0.06	0.250	0.324
	LTE Band 25_Ant1	20M	QPSK	1	0	Back	28mm	DSI4	26590	1905	22.56	24.00	1.393	-0.08	0.184	0.256
	LTE Band 25_Ant1	20M	QPSK	50	0	Front	5mm	DSI3_Standalone	26140	1860	16.87	17.90	1.268	-0.11	0.481	0.610
	LTE Band 25_Ant1	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	26140	1860	16.87	17.90	1.268	0.06	0.745	0.944
	LTE Band 25_Ant1	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	26340	1880	16.73	17.90	1.309	-0.1	0.677	0.886
80	LTE Band 25_Ant1	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	26590	1905	16.71	17.90	1.315	-0.18	0.900	**1.184**
	LTE Band 25_Ant1	20M	QPSK	50	0	Front	21mm	DSI4	26140	1860	21.94	23.00	1.276	-0.01	0.142	0.181
	LTE Band 25_Ant1	20M	QPSK	50	0	Back	28mm	DSI4	26590	1905	21.70	23.00	1.349	-0.09	0.101	0.136
	LTE Band 25_Ant1	20M	QPSK	100	0	Back	5mm	DSI3_Standalone	26140	1860	16.58	17.90	1.355	0.15	0.770	1.043
	LTE Band 25_Ant1	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	26140	1860	15.21	16.30	1.285	-0.18	0.335	0.431
	LTE Band 25_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	26140	1860	15.21	16.30	1.285	-0.1	0.501	0.644
	LTE Band 25_Ant1	20M	QPSK	50	0	Front	5mm	DSI3_Sim-Tx	26140	1860	15.19	16.30	1.291	0.04	0.348	0.449
	LTE Band 25_Ant1	20M	QPSK	50	0	Back	5mm	DSI3_Sim-Tx	26140	1860	15.19	16.30	1.291	-0.02	0.417	0.538

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 30_Ant2	10M	QPSK	1	0	Front	5mm	DSI3_Standalone	27710	2310	15.73	16.50	1.194	0.01	0.452	0.540
	LTE Band 30_Ant2	10M	QPSK	1	0	Back	5mm	DSI3_Standalone	27710	2310	15.73	16.50	1.194	0.06	0.609	0.727
	LTE Band 30_Ant2	10M	QPSK	1	0	Front	21mm	DSI4	27710	2310	22.34	24.00	1.466	0.18	0.243	0.356
	LTE Band 30_Ant2	10M	QPSK	1	0	Back	28mm	DSI4	27710	2310	22.34	24.00	1.466	-0.12	0.185	0.271
	LTE Band 30_Ant2	10M	QPSK	25	12	Front	5mm	DSI3_Standalone	27710	2310	15.42	16.50	1.282	-0.16	0.461	0.591
	LTE Band 30_Ant2	10M	QPSK	25	12	Back	5mm	DSI3_Standalone	27710	2310	15.42	16.50	1.282	-0.15	0.711	0.912
	LTE Band 30_Ant2	10M	QPSK	25	12	Front	21mm	DSI4	27710	2310	21.46	23.00	1.426	-0.18	0.129	0.184
	LTE Band 30_Ant2	10M	QPSK	25	12	Back	28mm	DSI4	27710	2310	21.46	23.00	1.426	-0.14	0.100	0.143
	LTE Band 30_Ant2	10M	QPSK	50	0	Back	5mm	DSI3_Standalone	27710	2310	15.23	16.50	1.340	0.18	0.750	1.005
	LTE Band 30_Ant2	10M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	27710	2310	12.67	13.60	1.239	0.04	0.303	0.375
	LTE Band 30_Ant2	10M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	27710	2310	12.67	13.60	1.239	0.19	0.355	0.440
	LTE Band 30_Ant2	10M	QPSK	25	12	Front	5mm	DSI3_Sim-Tx	27710	2310	12.61	13.60	1.256	-0.02	0.309	0.388
	LTE Band 30_Ant2	10M	QPSK	25	12	Back	5mm	DSI3_Sim-Tx	27710	2310	12.61	13.60	1.256	-0.17	0.323	0.406
	LTE Band 30_Ant1	10M	QPSK	1	25	Front	5mm	DSI3_Standalone	27710	2310	18.32	19.70	1.374	-0.17	0.523	0.719
	LTE Band 30_Ant1	10M	QPSK	1	25	Back	5mm	DSI3_Standalone	27710	2310	18.32	19.70	1.374	-0.01	0.807	1.109
	LTE Band 30_Ant1	10M	QPSK	1	25	Front	21mm	DSI4	27710	2310	22.78	24.00	1.324	0.04	0.129	0.171
	LTE Band 30_Ant1	10M	QPSK	1	25	Back	28mm	DSI4	27710	2310	22.78	24.00	1.324	0.04	0.121	0.160
	LTE Band 30_Ant1	10M	QPSK	25	12	Front	5mm	DSI3_Standalone	27710	2310	18.20	19.70	1.413	0.02	0.486	0.686
	LTE Band 30_Ant1	10M	QPSK	25	12	Back	5mm	DSI3_Standalone	27710	2310	18.20	19.70	1.413	-0.03	0.797	1.126
	LTE Band 30_Ant1	10M	QPSK	25	12	Front	21mm	DSI4	27710	2310	21.80	23.00	1.318	0.11	0.077	0.102
	LTE Band 30_Ant1	10M	QPSK	25	12	Back	28mm	DSI4	27710	2310	21.80	23.00	1.318	0.15	0.074	0.098
81	LTE Band 30_Ant1	10M	QPSK	50	0	Back	5mm	DSI3_Standalone	27710	2310	18.04	19.70	1.466	-0.03	0.795	**1.165**
	LTE Band 30_Ant1	10M	QPSK	1	25	Front	5mm	DSI3_Sim-Tx	27710	2310	17.20	18.10	1.230	0.09	0.157	0.193
	LTE Band 30_Ant1	10M	QPSK	1	25	Back	5mm	DSI3_Sim-Tx	27710	2310	17.20	18.10	1.230	0.13	0.493	0.607
	LTE Band 30_Ant1	10M	QPSK	25	12	Front	5mm	DSI3_Sim-Tx	27710	2310	17.13	18.10	1.250	-0.02	0.165	0.206
	LTE Band 30_Ant1	10M	QPSK	25	12	Back	5mm	DSI3_Sim-Tx	27710	2310	17.13	18.10	1.250	-0.12	0.509	0.636
	LTE Band 7_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Standalone	21350	2560	16.61	17.60	1.256	-0.09	0.447	0.561
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	21350	2560	16.61	17.60	1.256	0.19	0.792	0.995
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	20850	2510	16.34	17.60	1.337	0.01	0.705	0.942
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	21100	2535	16.53	17.60	1.279	-0.17	0.746	0.954
	LTE Band 7_Ant1	20M	QPSK	1	99	Front	21mm	DSI4	21350	2560	22.71	24.00	1.346	0.17	0.096	0.129
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	28mm	DSI4	21350	2560	22.71	24.00	1.346	0.19	0.086	0.116
	LTE Band 7_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Standalone	21350	2560	16.43	17.60	1.309	0.11	0.466	0.610
	LTE Band 7_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	21350	2560	16.43	17.60	1.309	-0.19	0.705	0.923
	LTE Band 7_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	20850	2510	16.10	17.60	1.413	-0.02	0.696	0.983
	LTE Band 7_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	21100	2535	16.29	17.60	1.352	-0.1	0.764	1.033
	LTE Band 7_Ant1	20M	QPSK	50	50	Front	21mm	DSI4	21350	2560	21.72	23.00	1.343	0.03	0.053	0.071
	LTE Band 7_Ant1	20M	QPSK	50	50	Back	28mm	DSI4	21350	2560	21.72	23.00	1.343	0.01	0.050	0.067
82	LTE Band 7_Ant1	20M	QPSK	100	0	Back	5mm	DSI3_Standalone	21350	2560	16.28	17.60	1.355	-0.06	0.801	**1.086**
	LTE Band 7_Ant1	20M	QPSK	100	0	Back	28mm	DSI4	21350	2560	21.64	23.00	1.368	0.04	0.091	0.124
	LTE Band 7_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Sim-Tx	21350	2560	14.64	15.50	1.219	0.03	0.261	0.318
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	21350	2560	14.64	15.50	1.219	-0.18	0.446	0.544
	LTE Band 7_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Sim-Tx	21350	2560	14.63	15.50	1.222	0.01	0.274	0.335
	LTE Band 7_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	21350	2560	14.63	15.50	1.222	0.14	0.462	0.564

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Standalone	41055	2636.5	19.05	20.00	1.245	62.9	1.006	0.08	0.497	0.622
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Standalone	39750	2506	18.52	20.00	1.406	62.9	1.006	0.02	0.420	0.594
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Standalone	40185	2549.5	18.92	20.00	1.282	62.9	1.006	0.05	0.460	0.593
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Standalone	40620	2593	18.90	20.00	1.288	62.9	1.006	0.08	0.530	0.687
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Standalone	41490	2680	19.04	20.00	1.247	62.9	1.006	-0.04	0.607	0.762
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	41055	2636.5	19.05	20.00	1.245	62.9	1.006	-0.07	0.773	0.968
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	39750	2506	18.52	20.00	1.406	62.9	1.006	0.1	0.632	0.894
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	40185	2549.5	18.92	20.00	1.282	62.9	1.006	0.11	0.692	0.893
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	40620	2593	18.90	20.00	1.288	62.9	1.006	-0.1	0.797	1.033
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	41490	2680	19.04	20.00	1.247	62.9	1.006	0.09	0.913	1.146
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	21mm	DSI4	41055	2636.5	22.73	24.00	1.340	62.9	1.006	0.04	0.122	0.164
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	28mm	DSI4	41490	2680	22.66	24.00	1.361	62.9	1.006	0.17	0.087	0.119
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Standalone	41055	2636.5	18.96	20.00	1.271	62.9	1.006	-0.17	0.495	0.633
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Standalone	41055	2636.5	18.96	20.00	1.271	62.9	1.006	0.1	0.589	0.753
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Standalone	39750	2506	18.52	20.00	1.406	62.9	1.006	0.05	0.397	0.562
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Standalone	40185	2549.5	18.81	20.00	1.315	62.9	1.006	0.03	0.467	0.618
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Standalone	40620	2593	18.77	20.00	1.327	62.9	1.006	-0.06	0.542	0.724
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Standalone	41490	2680	18.92	20.00	1.282	62.9	1.006	-0.02	0.600	0.774
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	41055	2636.5	18.96	20.00	1.271	62.9	1.006	0.17	0.886	1.132
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	39750	2506	18.52	20.00	1.406	62.9	1.006	-0.16	0.598	0.846
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	40185	2549.5	18.81	20.00	1.315	62.9	1.006	0.12	0.702	0.929
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	40620	2593	18.77	20.00	1.327	62.9	1.006	0.18	0.816	1.090
83	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	41490	2680	18.92	20.00	1.282	62.9	1.006	-0.04	0.903	**1.165**
	LTE Band 41C_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	39750(PCC)+ 39948(SCC)	2506(PCC)+ 2525.8(SCC)	18.46	20.00	1.426	62.9	1.006	0.08	0.636	0.912
	LTE Band 41C_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	40185(PCC)+ 39987(SCC)	2549.5(PCC)+ 2525.9(SCC)	18.50	20.00	1.413	62.9	1.006	0.02	0.723	1.027
	LTE Band 41C_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	40620(PCC)+ 40422(SCC)	2593(PCC)+ 2573.20(SCC)	18.61	20.00	1.377	62.9	1.006	0.09	0.834	1.155
	LTE Band 41C_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	41055(PCC)+ 41253(SCC)	2636.5(PCC)+ 2656.30(SCC)	18.91	20.00	1.285	62.9	1.006	-0.07	0.837	1.082
	LTE Band 41C_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	41490(PCC)+ 41292(SCC)	2680(PCC)+ 2660.2(SCC)	18.86	20.00	1.300	62.9	1.006	0.03	0.857	1.121
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	21mm	DSI4	41055	2636.5	22.60	23.00	1.096	62.9	1.006	-0.14	0.114	0.126
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	28mm	DSI4	41490	2680	22.57	23.00	1.104	62.9	1.006	-0.19	0.074	0.082
	LTE Band 41_Ant1	20M	QPSK	100	0	Front	5mm	DSI3_Standalone	41055	2636.5	18.92	20.00	1.282	62.9	1.006	-0.09	0.494	0.637
	LTE Band 41_Ant1	20M	QPSK	100	0	Back	5mm	DSI3_Standalone	41055	2636.5	18.92	20.00	1.282	62.9	1.006	-0.16	0.720	0.929
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Sim-Tx	41055	2636.5	17.41	18.30	1.227	62.9	1.006	-0.18	0.348	0.430
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	41055	2636.5	17.41	18.30	1.227	62.9	1.006	-0.17	0.559	0.690
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	39750	2506	17.00	18.30	1.349	62.9	1.006	0.02	0.473	0.642
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	40185	2549.5	17.39	18.30	1.233	62.9	1.006	0.06	0.567	0.703
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	40620	2593	17.36	18.30	1.242	62.9	1.006	0.01	0.617	0.771
	LTE Band 41C_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	41055(PCC)+ 41253(SCC)	2636.5(PCC)+ 2656.30(SCC)	16.89	18.30	1.384	62.9	1.006	0.03	0.521	0.725
	LTE Band 41C_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	39750(PCC)+ 39948(SCC)	2506(PCC)+ 2525.8(SCC)	16.68	18.30	1.452	62.9	1.006	0.02	0.439	0.641
	LTE Band 41C_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	40185(PCC)+ 39987(SCC)	2549.5(PCC)+ 2525.9(SCC)	16.63	18.30	1.469	62.9	1.006	0.02	0.417	0.616
	LTE Band 41C_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	40620(PCC)+ 40422(SCC)	2593(PCC)+ 2573.20(SCC)	17.03	18.30	1.340	62.9	1.006	0.09	0.543	0.732
	LTE Band 41C_Ant1	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	41490(PCC)+ 41292(SCC)	2680(PCC)+ 2660.2(SCC)	17.03	18.30	1.340	62.9	1.006	0.03	0.566	0.763
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	41490	2680	17.33	18.30	1.250	62.9	1.006	-0.05	0.544	0.684
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Sim-Tx	41055	2636.5	17.39	18.30	1.233	62.9	1.006	-0.01	0.371	0.460
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	41055	2636.5	17.39	18.30	1.233	62.9	1.006	-0.15	0.577	0.716
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	39750	2506	16.92	18.30	1.374	62.9	1.006	0.1	0.491	0.679
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	40185	2549.5	17.29	18.30	1.262	62.9	1.006	-0.03	0.585	0.743
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	40620	2593	17.28	18.30	1.265	62.9	1.006	0.02	0.603	0.767

	LTE Band 41_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	41490	2680	17.27	18.30	1.268	62.9	1.006	0.05	0.565	0.721
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Standalone	41055	2636.5	20.76	21.60	1.213	42.9	1.009	0.05	0.458	0.561
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	41055	2636.5	20.76	21.60	1.213	42.9	1.009	0.09	0.639	0.782
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	39750	2506	20.20	21.60	1.380	42.9	1.009	-0.15	0.597	0.832
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	40185	2549.5	20.59	21.60	1.262	42.9	1.009	-0.05	0.619	0.788
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	40620	2593	20.56	21.60	1.271	42.9	1.009	0.13	0.675	0.865
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	41490	2680	20.74	21.60	1.219	42.9	1.009	-0.16	0.612	0.753
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Front	21mm	DSI4	41055	2636.5	26.30	27.00	1.175	42.9	1.009	0.18	0.196	0.232
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	28mm	DSI4	40620	2593	26.14	27.00	1.219	42.9	1.009	0.05	0.181	0.223
	LTE Band 41_HPUE_Ant 1	20M	QPSK	50	50	Front	5mm	DSI3_Standalone	41055	2636.5	20.72	21.60	1.225	42.9	1.009	-0.04	0.461	0.570
	LTE Band 41_HPUE_Ant 1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	41055	2636.5	20.72	21.60	1.225	42.9	1.009	-0.13	0.654	0.808
	LTE Band 41_HPUE_Ant 1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	39750	2506	20.34	21.60	1.337	42.9	1.009	-0.15	0.616	0.831
	LTE Band 41_HPUE_Ant 1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	40185	2549.5	20.60	21.60	1.259	42.9	1.009	0.05	0.654	0.831
	LTE Band 41_HPUE_Ant 1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	40620	2593	20.55	21.60	1.274	42.9	1.009	-0.15	0.680	0.874
	LTE Band 41_HPUE_Ant 1	20M	QPSK	50	50	Back	5mm	DSI3_Standalone	41490	2680	20.70	21.60	1.230	42.9	1.009	0.15	0.635	0.788
	LTE Band 41_HPUE_Ant 1	20M	QPSK	50	50	Front	21mm	DSI4	41055	2636.5	24.66	26.00	1.361	42.9	1.009	0.01	0.136	0.187
	LTE Band 41_HPUE_Ant 1	20M	QPSK	50	50	Back	28mm	DSI4	40620	2593	24.49	26.00	1.416	42.9	1.009	-0.13	0.125	0.179
	LTE Band 41_HPUE_Ant1	20M	QPSK	100	0	Back	5mm	DSI3_Standalone	41055	2636.5	20.69	21.60	1.233	42.9	1.009	0.14	0.649	0.807
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Front	5mm	DSI3_Sim-Tx	41055	2636.5	19.16	19.90	1.186	62.9	1.006	0.17	0.334	0.398
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	41055	2636.5	19.16	19.90	1.186	62.9	1.006	-0.06	0.466	0.556
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Front	5mm	DSI3_Sim-Tx	41055	2636.5	19.15	19.90	1.189	62.9	1.006	-0.16	0.344	0.411
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Back	5mm	DSI3_Sim-Tx	41055	2636.5	19.15	19.90	1.189	62.9	1.006	0.02	0.488	0.583
	LTE Band 48_Ant4	20M	QPSK	1	0	Front	5mm	DSI3_Standalone	55340	3560	15.50	16.90	1.380	62.9	1.006	-0.08	0.029	0.040
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	55340	3560	15.50	16.90	1.380	62.9	1.006	0.11	0.498	0.692
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	55830	3609	15.38	16.90	1.419	62.9	1.006	-0.17	0.648	0.925
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	56150	3641	15.28	16.90	1.452	62.9	1.006	-0.01	0.736	1.075
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	56640	3690	15.40	16.90	1.413	62.9	1.006	0.1	0.617	0.877
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	28mm	DSI4	56150	3641	22.43	24.00	1.435	62.9	1.006	-0.14	0.058	0.084
	LTE Band 48_Ant4	20M	QPSK	50	0	Front	5mm	DSI3_Standalone	55340	3560	15.48	16.90	1.387	62.9	1.006	0.03	0.023	0.032
	LTE Band 48_Ant4	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	55340	3560	15.48	16.90	1.387	62.9	1.006	-0.08	0.541	0.755
	LTE Band 48_Ant4	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	55830	3609	15.38	16.90	1.419	62.9	1.006	0.12	0.674	0.962
84	LTE Band 48_Ant4	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	56150	3641	15.14	16.90	1.500	62.9	1.006	0.05	0.768	**1.159**
	LTE Band 48_Ant4	20M	QPSK	50	0	Back	5mm	DSI3_Standalone	56640	3690	15.46	16.90	1.393	62.9	1.006	-0.14	0.694	0.973
	LTE Band 48C_Ant4	20M	QPSK	1	99	Back	5mm	DSI3_Standalone	55340(PCC)+ 55538(SCC)	3560(PCC)+ 3569.8(SCC)	15.48	16.90	1.387	62.9	1.006	0.06	0.679	0.947
	LTE Band 48C_Ant4	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	55830(PCC)+ 55632(SCC)	3609(PCC)+ 3589.2(SCC)	15.49	16.90	1.384	62.9	1.006	0.04	0.751	1.045
	LTE Band 48C_Ant4	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	56150(PCC)+ 55952(SCC)	3641(PCC)+ 3621.2(SCC)	15.50	16.90	1.380	62.9	1.006	-0.13	0.758	1.053
	LTE Band 48C_Ant4	20M	QPSK	1	0	Back	5mm	DSI3_Standalone	56640(PCC)+ 56442(SCC)	3690(PCC)+ 3670.2(SCC)	15.40	16.90	1.413	62.9	1.006	0.18	0.761	1.081
	LTE Band 48_Ant4	20M	QPSK	50	0	Back	28mm	DSI4	56150	3641	21.55	23.00	1.396	62.9	1.006	-0.05	0.064	0.090
	LTE Band 48_Ant4	20M	QPSK	100	0	Back	5mm	DSI3_Standalone	55340	3560	15.46	16.90	1.393	62.9	1.006	-0.07	0.551	0.772
	LTE Band 48_Ant4	20M	QPSK	1	0	Front	5mm	DSI3_Sim-Tx	55340	3560	13.16	14.50	1.361	62.9	1.006	-0.02	0.018	0.025
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	5mm	DSI3_Sim-Tx	55340	3560	13.16	14.50	1.361	62.9	1.006	0.17	0.347	0.475
	LTE Band 48_Ant4	20M	QPSK	50	0	Front	5mm	DSI3_Sim-Tx	55340	3560	13.09	14.50	1.384	62.9	1.006	-0.14	0.017	0.024
	LTE Band 48_Ant4	20M	QPSK	50	0	Back	5mm	DSI3_Sim-Tx	55340	3560	13.09	14.50	1.384	62.9	1.006	-0.11	0.362	0.504
	LTE Band 48C_Ant4	20M	QPSK	1	99	Back	5mm	DSI3_Sim-Tx	55340(PCC)+ 55538(SCC)	3560(PCC)+ 3569.8(SCC)	13.25	14.50	1.334	62.9	1.006	-0.03	0.333	0.447

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Front	5mm	DSI4	136100	680.5	23.10	24.00	1.230	0.11	0.295	0.363
	N71_Ant 2	20M	BPSK	1	1	DFT-15	Back	5mm	DSI4	136100	680.5	23.10	24.00	1.230	-0.18	0.366	0.450
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Front	5mm	DSI4	136100	680.5	22.87	23.50	1.156	-0.12	0.282	0.326
	N71_Ant 2	20M	BPSK	50	28	DFT-15	Back	5mm	DSI4	136100	680.5	22.87	23.50	1.156	-0.16	0.460	0.532
	N71_Ant 8	20M	BPSK	1	1	DFT-15	Front	5mm	DSI4	136100	680.5	22.86	24.00	1.300	0.04	0.224	0.291
85	N71_Ant 8	20M	BPSK	1	1	DFT-15	Back	5mm	DSI4	136100	680.5	22.86	24.00	1.300	-0.06	0.644	**0.837**
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Front	5mm	DSI4	136100	680.5	22.77	24.00	1.327	-0.16	0.131	0.174
	N71_Ant 8	20M	BPSK	50	0	DFT-15	Back	5mm	DSI4	136100	680.5	22.77	24.00	1.327	-0.12	0.591	0.784
	N71_Ant 8	20M	BPSK	100	0	DFT-15	Back	5mm	DSI4	136100	680.5	22.83	24.00	1.309	0.15	0.525	0.687
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Front	5mm	DSI4	141500	707.5	23.02	24.00	1.253	-0.07	0.457	0.573
	N12_Ant 2	15M	BPSK	1	1	DFT-15	Back	5mm	DSI4	141500	707.5	23.02	24.00	1.253	0.07	0.471	0.590
	N12_Ant 2	15M	BPSK	36	0	DFT-15	Front	5mm	DSI4	141500	707.5	22.93	24.00	1.279	0.13	0.440	0.563
86	N12_Ant 2	15M	BPSK	36	0	DFT-15	Back	5mm	DSI4	141500	707.5	22.93	24.00	1.279	0.04	0.464	**0.594**
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Front	5mm	DSI4	164800	824	23.29	24.00	1.178	-0.07	0.616	0.725
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Back	5mm	DSI4	164800	824	23.29	24.00	1.178	-0.19	0.650	0.765
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Front	5mm	DSI4	164800	824	23.09	24.00	1.233	-0.01	0.616	0.760
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Back	5mm	DSI4	164800	824	23.09	24.00	1.233	-0.18	0.648	0.799
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Sim-Tx	164800	824	20.80	21.70	1.230	-0.14	0.297	0.365
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Sim-Tx	164800	824	20.80	21.70	1.230	-0.15	0.357	0.439
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Front	21mm	DSI4	164800	824	23.29	24.00	1.178	0.02	0.079	0.093
	N26_Ant 2	20M	BPSK	1	1	DFT-15	Back	28mm	DSI4	164800	824	23.29	24.00	1.178	0.06	0.060	0.071
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Front	5mm	DSI3_Sim-Tx	164800	824	20.69	21.70	1.262	-0.03	0.298	0.376
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Sim-Tx	164800	824	20.69	21.70	1.262	0.08	0.359	0.453
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Front	21mm	DSI4	164800	824	23.09	24.00	1.233	0.08	0.079	0.097
	N26_Ant 2	20M	BPSK	50	0	DFT-15	Back	28mm	DSI4	164800	824	23.09	24.00	1.233	-0.18	0.062	0.076
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Front	5mm	DSI3_Standalone/Sim-Tx	164800	824	21.72	22.90	1.312	-0.13	0.300	0.394
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Back	5mm	DSI3_Standalone/Sim-Tx	164800	824	21.72	22.90	1.312	-0.03	0.673	0.883
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Back	5mm	DSI3_Standalone/Sim-Tx	166300	831.5	21.21	22.90	1.476	-0.15	0.669	0.987
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Back	5mm	DSI3_Standalone/Sim-Tx	167800	839	21.19	22.90	1.483	-0.01	0.682	1.011
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Front	21mm	DSI4	164800	824	22.89	24.00	1.291	0.01	0.063	0.081
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Back	28mm	DSI4	164800	824	22.89	24.00	1.291	0.06	0.044	0.057
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Front	5mm	DSI3_Standalone/Sim-Tx	164800	824	21.52	22.90	1.374	-0.11	0.302	0.415
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Standalone/Sim-Tx	164800	824	21.52	22.90	1.374	-0.17	0.641	0.881
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Standalone/Sim-Tx	166300	831.5	21.32	22.90	1.439	0.16	0.681	0.980
87	N26_Ant 8	20M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Standalone/Sim-Tx	167800	839	21.20	22.90	1.479	-0.04	0.689	**1.019**
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Front	21mm	DSI4	164800	824	22.77	24.00	1.327	0.1	0.051	0.068
	N26_Ant 8	20M	BPSK	50	0	DFT-15	Back	28mm	DSI4	164800	824	22.77	24.00	1.327	-	n/a	n/a
	N26_Ant 8	20M	BPSK	100	0	DFT-15	Back	5mm	DSI3_Standalone/Sim-Tx	164800	824	21.50	22.90	1.380	0.14	0.728	1.005

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	5mm	DSI3_Standalone	346000	1730	16.20	16.90	1.175	0.02	0.826	0.970
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Back	5mm	DSI3_Standalone	346000	1730	16.20	16.90	1.175	-0.03	0.983	1.155
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	5mm	DSI3_Standalone	349000	1745	16.13	16.90	1.194	-0.01	0.786	0.938
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	5mm	DSI3_Standalone	352000	1760	16.10	16.90	1.202	-0.15	0.927	1.114
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Back	5mm	DSI3_Standalone	349000	1745	16.13	16.90	1.194	-0.18	0.868	1.036
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Back	5mm	DSI3_Standalone	352000	1760	16.10	16.90	1.202	-0.17	0.964	1.159
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	21mm	DSI4	352000	1760	23.12	24.00	1.225	0.01	0.183	0.224
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Back	28mm	DSI4	352000	1760	23.12	24.00	1.225	-0.07	0.118	0.145
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Standalone	346000	1730	16.14	16.90	1.191	-0.06	0.837	0.997
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Standalone	346000	1730	16.14	16.90	1.191	-0.05	0.909	1.083
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Standalone	349000	1745	16.09	16.90	1.205	0.17	0.791	0.953
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Standalone	352000	1760	16.06	16.90	1.213	0.09	0.908	1.102
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Standalone	349000	1745	16.09	16.90	1.205	-0.19	0.860	1.036
88	N66_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Standalone	352000	1760	16.06	16.90	1.213	-0.11	0.957	**1.161**
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	21mm	DSI4	352000	1760	23.16	24.00	1.213	0.03	0.188	0.228
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Back	28mm	DSI4	352000	1760	23.16	24.00	1.213	-0.01	0.110	0.133
	N66_Ant 2	40M	BPSK	216	0	DFT-15	Front	5mm	DSI3_Standalone	346000	1730	16.10	16.90	1.202	0.07	0.842	1.012
	N66_Ant 2	40M	BPSK	216	0	DFT-15	Back	5mm	DSI3_Standalone	346000	1730	16.10	16.90	1.202	-0.18	0.901	1.083
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	5mm	DSI3_Sim-Tx	346000	1730	14.11	15.00	1.227	0.17	0.354	0.435
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Back	5mm	DSI3_Sim-Tx	346000	1730	14.11	15.00	1.227	0.09	0.472	0.579
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Sim-Tx	346000	1730	14.02	15.00	1.253	-0.11	0.371	0.465
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Sim-Tx	346000	1730	14.02	15.00	1.253	0.11	0.493	0.618
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Front	5mm	DSI3_Standalone	352000	1760	16.28	17.10	1.208	-0.02	0.542	0.655
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	5mm	DSI3_Standalone	352000	1760	16.28	17.10	1.208	-0.14	0.871	1.052
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	5mm	DSI3_Standalone	346000	1730	16.20	17.10	1.230	0.03	0.824	1.014
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	5mm	DSI3_Standalone	349000	1745	16.23	17.10	1.222	0.05	0.848	1.036
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Front	20mm	DSI4	352000	1760	23.04	24.00	1.247	0.13	0.177	0.221
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	28mm	DSI4	352000	1760	23.04	24.00	1.247	0.02	0.123	0.153
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Front	5mm	DSI3_Standalone	352000	1760	16.26	17.10	1.213	0.1	0.535	0.649
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	5mm	DSI3_Standalone	352000	1760	16.26	17.10	1.213	0.09	0.869	1.054
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	5mm	DSI3_Standalone	346000	1730	16.17	17.10	1.239	-0.15	0.829	1.027
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	5mm	DSI3_Standalone	349000	1745	16.21	17.10	1.227	0.07	0.897	1.101
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Front	20mm	DSI4	352000	1760	22.97	24.00	1.268	0.09	0.113	0.143
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	28mm	DSI4	352000	1760	22.97	24.00	1.268	0.1	0.083	0.105
	N66_Ant 1	40M	BPSK	216	0	DFT-15	Back	5mm	DSI3_Standalone	352000	1760	16.22	17.10	1.225	0.03	0.847	1.037
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Front	5mm	DSI3_Sim-Tx	352000	1760	15.85	16.50	1.161	-0.14	0.446	0.518
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	5mm	DSI3_Sim-Tx	352000	1760	15.85	16.50	1.161	0.11	0.642	0.746
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Front	5mm	DSI3_Sim-Tx	352000	1760	15.82	16.50	1.169	0.01	0.479	0.560
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	5mm	DSI3_Sim-Tx	352000	1760	15.82	16.50	1.169	-0.12	0.675	0.789

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Standalone	376500	1882.5	16.29	17.10	1.205	0.08	0.666	0.803
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Standalone	376500	1882.5	16.29	17.10	1.205	-0.12	0.820	0.988
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Standalone	374000	1870	16.12	17.10	1.253	0.17	0.640	0.802
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Standalone	379000	1895	16.20	17.10	1.230	0.01	0.712	0.876
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Standalone	374000	1870	16.12	17.10	1.253	-0.06	0.814	1.020
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Standalone	379000	1895	16.20	17.10	1.230	0.13	0.886	1.090
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	21mm	DSI4	379000	1895	22.98	24.00	1.265	-0.18	0.225	0.285
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Back	28mm	DSI4	379000	1895	22.98	24.00	1.265	-0.18	0.140	0.177
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Standalone	376500	1882.5	16.11	17.10	1.256	0.11	0.775	0.973
89	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Standalone	376500	1882.5	16.11	17.10	1.256	-0.09	0.946	**1.188**
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Standalone	374000	1870	15.80	17.10	1.349	-0.05	0.698	0.942
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Standalone	379000	1895	15.88	17.10	1.324	-0.02	0.762	1.009
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Standalone	374000	1870	15.80	17.10	1.349	-0.16	0.866	1.168
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Standalone	379000	1895	15.88	17.10	1.324	-0.12	0.886	1.173
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	21mm	DSI4	379000	1895	22.67	24.00	1.358	0.17	0.152	0.206
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	28mm	DSI4	376500	1882.5	22.95	24.00	1.274	-0.01	0.111	0.141
	N25_Ant 2	40M	BPSK	216	0	DFT-15	Front	5mm	DSI3_Standalone	376500	1882.5	16.07	17.10	1.268	-0.16	0.749	0.949
	N25_Ant 2	40M	BPSK	216	0	DFT-15	Back	5mm	DSI3_Standalone	376500	1882.5	16.07	17.10	1.268	0.12	0.904	1.146
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Sim-Tx	376500	1882.5	13.30	14.40	1.288	0.12	0.289	0.372
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Sim-Tx	376500	1882.5	13.30	14.40	1.288	-0.1	0.356	0.459
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	5mm	DSI3_Sim-Tx	376500	1882.5	13.21	14.40	1.315	0.16	0.317	0.417
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	5mm	DSI3_Sim-Tx	376500	1882.5	13.21	14.40	1.315	0.03	0.435	0.572
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Standalone	374000	1870	18.00	18.80	1.202	-0.18	0.579	0.696
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Standalone	374000	1870	18.00	18.80	1.202	-0.05	0.880	1.058
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Standalone	376500	1882.5	17.95	18.80	1.216	0.02	0.844	1.026
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Standalone	379000	1895	17.90	18.80	1.230	0.19	0.963	1.185
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Front	21mm	DSI4	374000	1870	22.85	24.00	1.303	0.02	0.176	0.229
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	28mm	DSI4	379000	1895	22.82	24.00	1.312	0.13	0.148	0.194
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Front	5mm	DSI3_Standalone	374000	1870	17.82	18.80	1.253	-0.12	0.542	0.679
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	5mm	DSI3_Standalone	374000	1870	17.82	18.80	1.253	0.18	0.901	1.129
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	5mm	DSI3_Standalone	376500	1882.5	17.80	18.80	1.259	-0.07	0.744	0.937
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	5mm	DSI3_Standalone	379000	1895	17.70	18.80	1.288	0.01	0.747	0.962
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Front	21mm	DSI4	374000	1870	22.72	23.50	1.197	0.12	0.172	0.206
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	28mm	DSI4	374000	1870	22.72	23.50	1.197	-0.03	0.137	0.164
	N25_Ant 1	40M	BPSK	216	0	DFT-15	Back	5mm	DSI3_Standalone	374000	1870	17.81	18.80	1.256	-0.13	0.801	1.006
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Sim-Tx	374000	1870	16.28	17.10	1.208	-0.1	0.396	0.478
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Sim-Tx	374000	1870	16.28	17.10	1.208	-0.02	0.560	0.676
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	5mm	DSI3_Sim-Tx	374000	1870	16.03	17.10	1.279	0.19	0.402	0.514
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	5mm	DSI3_Sim-Tx	374000	1870	16.03	17.10	1.279	0.07	0.549	0.702

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Standalone	462000	2310	17.59	18.40	1.205	0.12	0.649	0.782
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Standalone	462000	2310	17.59	18.40	1.205	0.16	0.981	1.182
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Front	21mm	DSI4	462000	2310	23.12	24.00	1.225	-0.02	0.495	0.606
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Back	28mm	DSI4	462000	2310	23.12	24.00	1.225	0.15	0.370	0.453
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Front	5mm	DSI3_Standalone	462000	2310	17.56	18.40	1.213	-0.16	0.619	0.751
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Back	5mm	DSI3_Standalone	462000	2310	17.56	18.40	1.213	0.05	0.952	1.155
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Front	21mm	DSI4	462000	2310	23.04	24.00	1.247	-0.01	0.387	0.483
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Back	28mm	DSI4	462000	2310	23.04	24.00	1.247	0.1	0.364	0.454
90	N30_Ant 2	10M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Standalone	462000	2310	17.53	18.40	1.222	-0.08	0.973	**1.189**
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Front	5mm	DSI3_Sim-Tx	462000	2310	14.03	15.00	1.250	0.18	0.266	0.333
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Sim-Tx	462000	2310	14.03	15.00	1.250	-0.05	0.378	0.473
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Front	5mm	DSI3_Sim-Tx	462000	2310	13.97	15.00	1.268	0.05	0.274	0.347
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Back	5mm	DSI3_Sim-Tx	462000	2310	13.97	15.00	1.268	-0.12	0.430	0.545
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Front	5mm	DSI3_Standalone	462000	2310	19.18	19.90	1.180	-0.06	0.457	0.539
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Back	5mm	DSI3_Standalone	462000	2310	19.18	19.90	1.180	-0.01	0.830	0.980
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Front	21mm	DSI4	462000	2310	23.13	24.00	1.222	0.03	0.086	0.105
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Back	28mm	DSI4	462000	2310	23.13	24.00	1.222	-0.18	0.085	0.104
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Front	5mm	DSI3_Standalone	462000	2310	19.12	19.90	1.197	0.17	0.403	0.482
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Back	5mm	DSI3_Standalone	462000	2310	19.12	19.90	1.197	0.04	0.679	0.813
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Front	21mm	DSI4	462000	2310	23.09	24.00	1.233	-0.01	0.120	0.148
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Back	28mm	DSI4	462000	2310	23.09	24.00	1.233	0.15	0.128	0.158
	N30_Ant 1	10M	BPSK	50	0	DFT-15	Back	5mm	DSI3_Standalone	462000	2310	19.10	19.90	1.202	-0.1	0.679	0.816
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Front	5mm	DSI3_Sim-Tx	462000	2310	17.96	18.70	1.186	-0.1	0.343	0.407
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Back	5mm	DSI3_Sim-Tx	462000	2310	17.96	18.70	1.186	0.05	0.588	0.697
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Front	5mm	DSI3_Sim-Tx	462000	2310	17.90	18.70	1.202	-0.17	0.334	0.402
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Back	5mm	DSI3_Sim-Tx	462000	2310	17.90	18.70	1.202	0.03	0.504	0.606
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Standalone	509202	2546.01	17.13	18.00	1.222	0.01	0.510	0.623
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Standalone	509202	2546.01	17.13	18.00	1.222	-0.03	0.940	1.148
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Standalone	518598	2592.99	17.12	18.00	1.225	0.16	0.374	0.458
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Standalone	528000	2640	17.10	18.00	1.230	-0.05	0.440	0.541
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Standalone	518598	2592.99	17.12	18.00	1.225	0.04	0.640	0.784
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Standalone	528000	2640	17.10	18.00	1.230	-0.09	0.686	0.844
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	21mm	DSI4	509202	2546.01	23.35	24.00	1.161	0.01	0.227	0.264
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	28mm	DSI4	509202	2546.01	23.35	24.00	1.161	0.16	0.197	0.229
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Standalone	509202	2546.01	17.02	18.00	1.253	-0.08	0.510	0.639
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Standalone	509202	2546.01	17.02	18.00	1.253	0.04	0.863	1.081
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Standalone	518598	2592.99	16.95	18.00	1.274	0.11	0.448	0.571
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Standalone	528000	2640	16.93	18.00	1.279	-0.04	0.434	0.555
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Standalone	518598	2592.99	16.95	18.00	1.274	0.01	0.503	0.641
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Standalone	528000	2640	16.93	18.00	1.279	0.18	0.514	0.658
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	21mm	DSI4	509202	2546.01	23.17	24.00	1.211	-0.14	0.216	0.261
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	28mm	DSI4	509202	2546.01	23.17	24.00	1.211	0.04	0.194	0.235
	N41_Ant 1	100M	BPSK	270	0	DFT-30	Front	5mm	DSI3_Standalone	509202	2546.01	16.94	18.00	1.276	0.1	0.492	0.628
	N41_Ant 1	100M	BPSK	270	0	DFT-30	Back	5mm	DSI3_Standalone	509202	2546.01	16.94	18.00	1.276	0.14	0.858	1.095
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	0.18	0.322	0.384
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	-0.12	0.478	0.571
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-0.09	0.349	0.419
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	0.16	0.471	0.565
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Standalone	509202	2546.01	17.13	18.00	1.222	0.01	0.510	0.623
91	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Standalone	509202	2546.01	17.13	18.00	1.222	-0.03	0.940	**1.148**
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Standalone	518598	2592.99	17.12	18.00	1.225	0.16	0.374	0.458
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Standalone	528000	2640	17.10	18.00	1.230	-0.05	0.440	0.541
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Standalone	518598	2592.99	17.12	18.00	1.225	0.04	0.640	0.784

	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Standalone	528000	2640	17.10	18.00	1.230	-0.09	0.686	0.844
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	21mm	DSI4	509202	2546.01	25.56	27.00	1.393	0.01	0.389	0.542
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	28mm	DSI4	509202	2546.01	25.56	27.00	1.393	0.16	0.374	0.521
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Standalone	509202	2546.01	17.02	18.00	1.253	-0.08	0.510	0.639
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Standalone	509202	2546.01	17.02	18.00	1.253	0.04	0.863	1.081
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Standalone	518598	2592.99	16.95	18.00	1.274	0.11	0.448	0.571
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Standalone	528000	2640	16.93	18.00	1.279	-0.04	0.434	0.555
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Standalone	518598	2592.99	16.95	18.00	1.274	0.01	0.503	0.641
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Standalone	528000	2640	16.93	18.00	1.279	0.18	0.514	0.658
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	21mm	DSI4	509202	2546.01	25.40	27.00	1.445	-0.14	0.386	0.558
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	28mm	DSI4	509202	2546.01	25.40	27.00	1.445	0.04	0.368	0.532
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	0.18	0.322	0.384
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	5mm	DSI3_Sim-Tx	509202	2546.01	15.63	16.40	1.194	-0.12	0.478	0.571
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-0.09	0.349	0.419
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	0.16	0.471	0.565
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Front	5mm	DSI3_Standalone	650000	3750	12.38	13.30	1.236	-0.02	0.017	0.021
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Standalone	650000	3750	12.38	13.30	1.236	-0.12	0.770	0.952
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Standalone	656000	3840	12.20	13.30	1.288	-0.01	0.638	0.822
92	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Standalone	662000	3930	12.16	13.30	1.300	0.14	0.855	**1.112**
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	28mm	DSI4	662000	3930	22.76	24.00	1.330	0.19	0.368	0.490
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Front	5mm	DSI3_Standalone	650000	3750	12.25	13.30	1.274	0.01	0.018	0.023
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Standalone	650000	3750	12.25	13.30	1.274	0.05	0.758	0.965
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Standalone	656000	3840	12.08	13.30	1.324	0.12	0.573	0.759
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Standalone	662000	3930	12.00	13.30	1.349	-0.08	0.798	1.076
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	28mm	DSI4	662000	3930	22.74	24.00	1.337	-0.02	0.355	0.474
	N77_Ant 4	100M	BPSK	270	0	DFT-30	Back	5mm	DSI3_Standalone	650000	3750	12.16	13.30	1.300	-0.06	0.731	0.950
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Front	5mm	DSI3_Sim-Tx	650000	3750	10.31	11.00	1.172	-	n/a	n/a
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.31	11.00	1.172	-0.19	0.536	0.628
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Sim-Tx	656000	3840	10.14	11.00	1.219	0.01	0.469	0.572
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Sim-Tx	662000	3930	10.02	11.00	1.253	0.15	0.571	0.716
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Front	5mm	DSI3_Sim-Tx	650000	3750	10.22	11.00	1.197	-	n/a	n/a
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.22	11.00	1.197	0.09	0.303	0.363
	N77_Ant 4	100M	BPSK	270	0	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.15	11.00	1.216	0.18	0.478	0.581
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Front	5mm	DSI3_Standalone	650000	3750	12.65	13.70	1.274	0.04	0.013	0.017
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Standalone	650000	3750	12.65	13.70	1.274	-0.12	0.821	1.046
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Back	28mm	DSI4	650000	3750	23.09	24.00	1.233	0.12	0.153	0.189
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Front	5mm	DSI3_Standalone	650000	3750	12.63	13.70	1.279	-0.06	0.014	0.018
93	N78_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Standalone	650000	3750	12.63	13.70	1.279	-0.19	0.870	**1.113**
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Back	28mm	DSI4	650000	3750	22.93	24.00	1.279	-0.05	0.143	0.183
	N78_Ant 4	100M	BPSK	270	0	DFT-30	Back	5mm	DSI3_Standalone	650000	3750	12.59	13.70	1.291	0.1	0.795	1.027
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Front	5mm	DSI3_Sim-Tx	650000	3750	10.46	11.30	1.213	0.01	0.008	0.010
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.46	11.30	1.213	-0.09	0.527	0.639
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Front	5mm	DSI3_Sim-Tx	650000	3750	10.43	11.30	1.222	0.01	0.009	0.011
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Sim-Tx	650000	3750	10.43	11.30	1.222	-0.12	0.510	0.623

<WLAN2.4G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	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	5mm	Reduced_Standalone	6	2437	19.40	21.00	1.445	99.31	1.007	-0.08	0.324	0.472
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced_Standalone	6	2437	19.40	21.00	1.445	99.31	1.007	0.12	0.576	0.838
94	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced_Standalone	1	2412	19.40	21.00	1.445	99.31	1.007	-0.17	0.775	**1.128**
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced_Standalone	11	2462	19.40	21.00	1.445	99.31	1.007	-0.07	0.695	1.012
	WLAN2.4GHz	802.11b 1Mbps	Front	21mm	Full	6	2437	20.10	22.00	1.549	99.31	1.007	0.08	0.022	0.034
	WLAN2.4GHz	802.11b 1Mbps	Back	28mm	Full	1	2437	20.00	22.00	1.585	99.31	1.007	-0.02	0.084	0.134
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Reduced_Sim-Tx	6	2437	17.40	19.00	1.445	99.31	1.007	-0.13	0.188	0.274
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced_Sim-Tx	6	2437	17.40	19.00	1.445	99.31	1.007	0.03	0.348	0.507

<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	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)
	WLAN5.2GHz	802.11a 6Mbps	Front	5mm	Reduced_Standalone	48	5240	9.53	11.00	1.403	98.28	1.018	-	n/a	n/a
	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	48	5240	9.53	11.00	1.403	98.28	1.018	0.16	0.766	1.094
	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	40	5200	9.51	11.00	1.409	98.28	1.018	-0.19	0.788	1.131
95	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	44	5220	9.50	11.00	1.413	98.28	1.018	-0.15	0.815	**1.172**
	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	36	5180	8.70	10.00	1.349	98.28	1.018	-0.06	0.654	0.898
	WLAN5.2GHz	802.11a 6Mbps	Front	21mm	Full	48	5240	18.57	20.00	1.390	98.28	1.018	0.14	0.040	0.057
	WLAN5.2GHz	802.11a 6Mbps	Back	28mm	Full	44	5220	18.54	20.00	1.400	98.28	1.018	-0.01	0.782	1.114
	WLAN5.2GHz	802.11a 6Mbps	Front	5mm	Reduced_Sim-Tx	48	5240	6.03	7.50	1.403	98.28	1.018	-	n/a	n/a
	WLAN5.2GHz	802.11a 6Mbps	Back	5mm	Reduced_Sim-Tx	48	5240	6.03	7.50	1.403	98.28	1.018	0.12	0.481	0.687
	WLAN5.3GHz	802.11a 6Mbps	Front	5mm	Reduced_Standalone	52	5260	8.56	10.00	1.393	98.28	1.018	-0.06	0.002	0.003
96	WLAN5.3GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	52	5260	8.56	10.00	1.393	98.28	1.018	0.19	0.782	**1.109**
	WLAN5.3GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	56	5280	8.53	10.00	1.403	98.28	1.018	-0.02	0.586	0.837
	WLAN5.3GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	60	5300	8.52	10.00	1.406	98.28	1.018	-0.08	0.479	0.686
	WLAN5.3GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	64	5320	8.21	9.50	1.346	98.28	1.018	-0.1	0.419	0.574
	WLAN5.3GHz	802.11a 6Mbps	Front	21mm	Full	52	5260	18.29	20.00	1.483	98.28	1.018	0.02	0.036	0.054
	WLAN5.3GHz	802.11a 6Mbps	Back	28mm	Full	52	5260	18.29	20.00	1.483	98.28	1.018	-0.05	0.734	1.108
	WLAN5.3GHz	802.11a 6Mbps	Front	5mm	Reduced_Sim-Tx	52	5260	6.06	7.50	1.393	98.28	1.018	-	n/a	n/a
	WLAN5.3GHz	802.11a 6Mbps	Back	5mm	Reduced_Sim-Tx	52	5260	6.06	7.50	1.393	98.28	1.018	0.11	0.527	0.747
	WLAN5.5GHz	802.11a 6Mbps	Front	5mm	Reduced_Standalone	100	5500	9.62	11.00	1.374	98.28	1.018	0.17	0.003	0.004
	WLAN5.5GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	100	5500	9.62	11.00	1.374	98.28	1.018	-0.17	0.592	0.828
97	WLAN5.5GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	116	5580	9.56	11.00	1.393	98.28	1.018	0.05	0.781	**1.108**
	WLAN5.5GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	132	5660	9.30	10.50	1.318	98.28	1.018	-0.12	0.584	0.784
	WLAN5.5GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	140	5700	8.08	9.00	1.236	98.28	1.018	0.05	0.635	0.799
	WLAN5.5GHz	802.11a 6Mbps	Front	21mm	Full	100	5500	17.72	19.00	1.343	98.28	1.018	0.08	0.042	0.057
	WLAN5.5GHz	802.11a 6Mbps	Back	28mm	Full	116	5580	17.64	19.00	1.368	98.28	1.018	0.11	0.760	1.058
	WLAN5.5GHz	802.11a 6Mbps	Front	5mm	Reduced_Sim-Tx	100	5500	6.62	8.00	1.374	98.28	1.018	-0.18	0.001	0.001
	WLAN5.5GHz	802.11a 6Mbps	Back	5mm	Reduced_Sim-Tx	100	5500	6.62	8.00	1.374	98.28	1.018	-0.02	0.331	0.463
	WLAN5.8GHz	802.11a 6Mbps	Front	5mm	Reduced_Standalone	165	5825	10.63	12.00	1.371	98.28	1.018	0.07	0.008	0.011
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	165	5825	10.63	12.00	1.371	98.28	1.018	-0.16	0.574	0.801
98	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	149	5745	10.54	12.00	1.400	98.28	1.018	0.06	0.739	**1.053**
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Reduced_Standalone	157	5785	10.55	12.00	1.396	98.28	1.018	0.18	0.450	0.640
	WLAN5.8GHz	802.11a 6Mbps	Front	21mm	Full	165	5825	18.82	20.00	1.312	98.28	1.018	0.01	0.037	0.049
	WLAN5.8GHz	802.11a 6Mbps	Back	28mm	Full	149	5745	18.73	20.00	1.340	98.28	1.018	0.12	0.739	1.008
	WLAN5.8GHz	802.11a 6Mbps	Front	5mm	Reduced_Sim-Tx	165	5825	8.63	10.00	1.371	98.28	1.018	0.07	0.006	0.008
	WLAN5.8GHz	802.11a 6Mbps	Back	5mm	Reduced_Sim-Tx	165	5825	8.63	10.00	1.371	98.28	1.018	0.09	0.284	0.396

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	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	DH5 1Mbps	Front	5mm	Full	0	2402	11.10	12.00	1.230	76.6	1.305	-0.18	0.014	0.022
99	Bluetooth	DH5 1Mbps	Back	5mm	Full	0	2402	11.10	12.00	1.230	76.6	1.305	0.08	0.031	**0.050**

16.4 Product Specific SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	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)
100	GSM850_Ant8	GPRS(3 Tx slots)	Back	0mm	DSI4	189	836.4	29.70	31.00	1.349	0.03	1.110	**1.497**
	GSM1900_Ant1	GPRS(3 Tx slots)	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	512	1850.2	26.00	27.10	1.288	0.05	2.160	2.783
	GSM1900_Ant1	GPRS(3 Tx slots)	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	661	1880	25.93	27.10	1.309	-0.01	1.760	2.304
101	GSM1900_Ant1	GPRS(3 Tx slots)	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	810	1909.8	25.91	27.10	1.315	0.12	2.400	**3.157**
	GSM1900_Ant1	GPRS(3 Tx slots)	Front	0mm	DSI6_Standalone/Sim-Tx	512	1850.2	26.00	27.10	1.288	0.03	1.410	1.816
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	0mm	DSI6_Standalone/Sim-Tx	512	1850.2	26.00	27.10	1.288	-0.1	2.090	2.692
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	0mm	DSI6_Standalone/Sim-Tx	661	1880	25.93	27.10	1.309	-0.14	1.770	2.317
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	0mm	DSI6_Standalone/Sim-Tx	810	1909.8	25.91	27.10	1.315	0.1	2.260	2.972
	GSM1900_Ant1	GPRS(3 Tx slots)	Front	8mm	DSI4	512	1850.2	27.03	28.00	1.250	0.14	0.437	0.546
	GSM1900_Ant1	GPRS(3 Tx slots)	Back	12mm	DSI4	810	1909.8	26.57	28.00	1.390	0.09	0.416	0.578
	GSM1900_Ant1	GPRS(3 Tx slots)	Bottom Side	12mm	DSI4	810	1909.8	26.57	28.00	1.390	-0.17	0.734	1.020

<CDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	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)
102	CDMA BC0_Ant8	RTAP 153.6Kbps	Back	0mm	DSI4	384	836.52	23.62	25.00	1.374	0.14	1.270	**1.745**
	CDMA BC10_Ant8	RTAP 153.6Kbps	Back	0mm	DSI4	580	820.5	23.74	25.00	1.337	0.04	1.560	2.085
103	CDMA BC10_Ant8	RTAP 153.6Kbps	Back	0mm	DSI4	476	817.9	23.63	25.00	1.371	0.12	1.610	**2.207**
	CDMA BC10_Ant8	RTAP 153.6Kbps	Back	0mm	DSI4	684	823.1	23.61	25.00	1.377	0.18	1.520	2.093
	CDMA BC1_Ant1	RTAP 153.6Kbps	Front	0mm	DSI6_Standalone/Sim-Tx	25	1851.25	20.12	20.90	1.197	-0.02	1.190	1.424
	CDMA BC1_Ant1	RTAP 153.6Kbps	Back	0mm	DSI6_Standalone/Sim-Tx	25	1851.25	20.12	20.90	1.197	0.11	1.620	1.939
	CDMA BC1_Ant1	RTAP 153.6Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	25	1851.25	20.12	20.90	1.197	-0.17	2.170	2.597
	CDMA BC1_Ant1	RTAP 153.6Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	600	1880	19.98	20.90	1.236	-0.04	2.260	2.793
104	CDMA BC1_Ant1	RTAP 153.6Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	1175	1908.75	19.89	20.90	1.262	0.02	2.510	**3.167**
	CDMA BC1_Ant1	RTAP 153.6Kbps	Front	8mm	DSI4	25	1851.25	23.78	25.00	1.324	-0.14	0.526	0.697
	CDMA BC1_Ant1	RTAP 153.6Kbps	Back	12mm	DSI4	25	1851.25	23.78	25.00	1.324	0.15	0.355	0.470
	CDMA BC1_Ant1	RTAP 153.6Kbps	Bottom Side	12mm	DSI4	1175	1908.75	23.66	25.00	1.361	0.07	1.030	1.402

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	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)
105	WCDMA V_Ant8	RMC 12.2Kbps	Back	0mm	DSI4	4182	836.4	22.87	24.00	1.297	0.13	1.110	**1.440**
	WCDMA IV_Ant1	RMC 12.2Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	1413	1732.6	18.90	20.00	1.288	-0.12	1.790	2.306
	WCDMA IV_Ant1	RMC 12.2Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	1312	1712.4	18.76	20.00	1.330	0.11	1.630	2.169
106	WCDMA IV_Ant1	RMC 12.2Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	1513	1752.6	18.78	20.00	1.324	0.06	2.260	**2.993**
	WCDMA IV_Ant1	RMC 12.2Kbps	Front	0mm	DSI6_Standalone/Sim-Tx	1413	1732.6	18.90	20.00	1.288	0.11	1.170	1.507
	WCDMA IV_Ant1	RMC 12.2Kbps	Back	0mm	DSI6_Standalone/Sim-Tx	1413	1732.6	18.90	20.00	1.288	-0.16	1.780	2.293
	WCDMA IV_Ant1	RMC 12.2Kbps	Back	0mm	DSI6_Standalone/Sim-Tx	1312	1712.4	18.76	20.00	1.330	0.1	1.450	1.929
	WCDMA IV_Ant1	RMC 12.2Kbps	Back	0mm	DSI6_Standalone/Sim-Tx	1513	1752.6	18.78	20.00	1.324	-0.11	1.820	2.410
	WCDMA IV_Ant1	RMC 12.2Kbps	Front	8mm	DSI4	1413	1732.6	23.11	24.00	1.227	0.05	0.813	0.998
	WCDMA IV_Ant1	RMC 12.2Kbps	Back	12mm	DSI4	1513	1752.6	22.95	24.00	1.274	0.05	0.716	0.912
	WCDMA IV_Ant1	RMC 12.2Kbps	Bottom Side	12mm	DSI4	1513	1752.6	22.95	24.00	1.274	0.02	1.010	1.286
	WCDMA II_Ant1	RMC 12.2Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	9262	1852.4	19.66	20.50	1.213	0.01	2.060	2.500
	WCDMA II_Ant1	RMC 12.2Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	9400	1880	19.62	20.50	1.225	-0.17	2.240	2.743
107	WCDMA II_Ant1	RMC 12.2Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	9538	1907.6	19.35	20.50	1.303	0.17	2.280	**2.971**
	WCDMA II_Ant1	RMC 12.2Kbps	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	9538	1907.6	19.35	20.50	1.303	-0.04	2.090	2.724
	WCDMA II_Ant1	RMC 12.2Kbps	Front	0mm	DSI6_Standalone/Sim-Tx	9262	1852.4	19.66	20.50	1.213	0.13	1.090	1.323
	WCDMA II_Ant1	RMC 12.2Kbps	Back	0mm	DSI6_Standalone/Sim-Tx	9262	1852.4	19.66	20.50	1.213	-0.15	1.550	1.881
	WCDMA II_Ant1	RMC 12.2Kbps	Front	8mm	DSI4	9262	1852.4	23.16	24.00	1.213	0.16	0.763	0.926
	WCDMA II_Ant1	RMC 12.2Kbps	Back	12mm	DSI4	9262	1852.4	23.16	24.00	1.213	-0.13	0.624	0.757
	WCDMA II_Ant1	RMC 12.2Kbps	Bottom Side	12mm	DSI4	9538	1907.6	22.81	24.00	1.315	-0.11	1.330	1.749

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
108	LTE Band 13_Ant8	10M	QPSK	1	49	Back	0mm	DSI4	23230	782	22.94	24.00	1.276	0.18	0.865	**1.104**
	LTE Band 13_Ant8	10M	QPSK	25	25	Back	0mm	DSI4	23230	782	21.98	23.00	1.265	-0.11	0.590	0.746
109	LTE Band 14_Ant8	10M	QPSK	1	49	Back	0mm	DSI4	23330	793	22.78	24.00	1.324	0.09	0.827	**1.095**
	LTE Band 14_Ant8	10M	QPSK	25	25	Back	0mm	DSI4	23330	793	21.84	23.00	1.306	0.08	0.508	0.664
110	LTE Band 26_Ant8	15M	QPSK	1	0	Back	0mm	DSI4	26765	821.5	22.54	24.00	1.400	-0.05	1.250	**1.749**
	LTE Band 5_Ant8	10M	QPSK	1	0	Back	0mm	DSI4	20575(PCC)+ 20476(SCC)	841.5(PCC)+ 831.6(SCC)	22.78	24.00	1.324	-0.05	0.851	1.127
	LTE Band 26_Ant8	15M	QPSK	36	0	Back	0mm	DSI4	26765	821.5	21.69	23.00	1.352	-0.01	1.040	1.406
	LTE Band 66_Ant2	20M	QPSK	1	0	Front	0mm	DSI6_Standalone	132322	1745	21.72	22.60	1.225	-0.01	1.490	1.825
	LTE Band 66_Ant2	20M	QPSK	1	0	Back	0mm	DSI6_Standalone	132322	1745	21.72	22.60	1.225	-0.02	1.470	1.800
	LTE Band 66_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Standalone	132322	1745	21.72	22.60	1.225	0.02	1.770	2.168
	LTE Band 66_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Standalone	132072	1720	21.57	22.60	1.268	0.08	1.350	1.711
	LTE Band 66_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Standalone	132572	1770	21.38	22.60	1.324	-0.01	2.310	3.059
	LTE Band 66_Ant2	20M	QPSK	1	0	Front	9mm	DSI4	132322	1745	22.39	24.00	1.449	-0.04	0.603	0.874
	LTE Band 66_Ant2	20M	QPSK	1	0	Back	11mm	DSI4	132322	1745	22.39	24.00	1.449	0.02	0.534	0.774
	LTE Band 66_Ant2	20M	QPSK	1	0	Top Side	12mm	DSI4	132572	1770	22.27	24.00	1.489	-0.18	0.621	0.925
	LTE Band 66_Ant2	20M	QPSK	50	24	Front	0mm	DSI6_Standalone	132322	1745	21.06	22.60	1.426	-0.16	1.430	2.039
	LTE Band 66_Ant2	20M	QPSK	50	24	Front	0mm	DSI6_Standalone	132072	1720	20.92	22.60	1.472	-0.12	1.710	2.518
	LTE Band 66_Ant2	20M	QPSK	50	24	Front	0mm	DSI6_Standalone	132572	1770	20.78	22.60	1.521	-0.12	1.540	2.342
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	0mm	DSI6_Standalone	132322	1745	21.06	22.60	1.426	-0.07	1.420	2.024
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	0mm	DSI6_Standalone	132072	1720	20.92	22.60	1.472	0.17	1.660	2.444
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	0mm	DSI6_Standalone	132572	1770	20.78	22.60	1.521	0.04	1.830	2.783
	LTE Band 66_Ant2	20M	QPSK	50	24	Top Side	0mm	DSI6_Standalone	132322	1745	21.06	22.60	1.426	0.02	1.720	2.452
	LTE Band 66_Ant2	20M	QPSK	50	24	Top Side	0mm	DSI6_Standalone	132072	1720	20.92	22.60	1.472	0.08	1.330	1.958
111	LTE Band 66_Ant2	20M	QPSK	50	24	Top Side	0mm	DSI6_Standalone	132572	1770	20.78	22.60	1.521	-0.08	2.080	**3.163**
	LTE Band 66C_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Standalone	132572(PCC)+ 132374(SCC)	1770(PCC)+ 1750.2(SCC)	21.58	22.60	1.265	0.01	2.020	2.555
	LTE Band 66C_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Standalone	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	21.83	22.60	1.194	0.07	1.600	1.910
	LTE Band 66C_Ant2	20M	QPSK	1	99	Top Side	0mm	DSI6_Standalone	132072(PCC)+ 132270(SCC)	1720(PCC)+ 1739.8(SCC)	21.74	22.60	1.219	0.06	1.880	2.292
	LTE Band 66_Ant2	20M	QPSK	50	24	Front	9mm	DSI4	132072	1720	21.23	23.00	1.503	0.18	0.357	0.537
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	11mm	DSI4	132572	1770	21.29	23.00	1.483	-0.14	0.321	0.476
	LTE Band 66_Ant2	20M	QPSK	50	24	Top Side	12mm	DSI4	132572	1770	21.29	23.00	1.483	-0.04	0.366	0.543
	LTE Band 66_Ant2	20M	QPSK	100	0	Front	0mm	DSI6_Standalone	132322	1745	20.94	22.60	1.466	-0.13	1.690	2.477
	LTE Band 66_Ant2	20M	QPSK	100	0	Back	0mm	DSI6_Standalone	132322	1745	20.94	22.60	1.466	-0.13	1.580	2.316
	LTE Band 66_Ant2	20M	QPSK	100	0	Top Side	0mm	DSI6_Standalone	132322	1745	20.94	22.60	1.466	-0.13	1.750	2.565
	LTE Band 66_Ant2	20M	QPSK	1	0	Front	0mm	DSI6_Sim-Tx	132322	1745	19.35	20.10	1.189	-0.02	0.539	0.641
	LTE Band 66_Ant2	20M	QPSK	1	0	Back	0mm	DSI6_Sim-Tx	132322	1745	19.35	20.10	1.189	0.14	0.415	0.493
	LTE Band 66_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Sim-Tx	132322	1745	19.35	20.10	1.189	-0.07	0.984	1.169
	LTE Band 66_Ant2	20M	QPSK	50	24	Front	0mm	DSI6_Sim-Tx	132322	1745	19.11	20.10	1.256	0.01	0.542	0.681
	LTE Band 66_Ant2	20M	QPSK	50	24	Back	0mm	DSI6_Sim-Tx	132322	1745	19.11	20.10	1.256	-0.14	0.433	0.544
	LTE Band 66_Ant2	20M	QPSK	50	24	Top Side	0mm	DSI6_Sim-Tx	132322	1745	19.11	20.10	1.256	-0.04	1.100	1.382
	LTE Band 66C_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Sim-Tx	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	18.95	20.10	1.303	0.07	1.010	1.316
	LTE Band 66_Ant1	20M	QPSK	1	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132322	1745	19.54	20.80	1.337	-0.04	1.990	2.660
	LTE Band 66_Ant1	20M	QPSK	1	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132072	1720	19.44	20.80	1.368	-0.19	1.960	2.681
	LTE Band 66_Ant1	20M	QPSK	1	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132572	1770	19.42	20.80	1.374	0.13	1.990	2.734
	LTE Band 66_Ant1	20M	QPSK	1	0	Front	0mm	DSI6_Standalone/Sim-Tx	132322	1745	19.54	20.80	1.337	0.07	0.819	1.095
	LTE Band 66_Ant1	20M	QPSK	1	0	Back	0mm	DSI6_Standalone/Sim-Tx	132322	1745	19.54	20.80	1.337	0.06	1.230	1.644
	LTE Band 66_Ant1	20M	QPSK	1	0	Front	8mm	DSI4	132322	1745	22.91	24.00	1.285	0.05	0.628	0.807
	LTE Band 66_Ant1	20M	QPSK	1	0	Back	12mm	DSI4	132322	1745	22.91	24.00	1.285	0.12	0.617	0.793
	LTE Band 66_Ant1	20M	QPSK	1	0	Bottom Side	12mm	DSI4	132572	1770	22.62	24.00	1.374	-0.16	0.872	1.198
	LTE Band 66_Ant1	20M	QPSK	50	24	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132322	1745	19.42	20.80	1.374	-0.03	1.870	2.569

	LTE Band 66_Ant1	20M	QPSK	50	24	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132072	1720	19.28	20.80	1.419	0.05	1.810	2.568
	LTE Band 66_Ant1	20M	QPSK	50	24	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132572	1770	18.96	20.80	1.528	-0.06	1.890	2.887
	LTE Band 66C_Ant1	20M	QPSK	1	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132322(PCC)+ 132124(SCC)	1745(PCC)+ 1725.2(SCC)	18.91	20.80	1.545	0.01	1.660	2.565
	LTE Band 66C_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132072(PCC)+ 132270(SCC)	1720(PCC)+ 1739.8(SCC)	18.93	20.80	1.538	-0.17	1.750	2.692
	LTE Band 66C_Ant1	20M	QPSK	1	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132572(PCC)+ 132374(SCC)	1770(PCC)+ 1750.2(SCC)	19.01	20.80	1.510	-0.1	1.690	2.552
	LTE Band 66_Ant1	20M	QPSK	50	24	Front	0mm	DSI6_Standalone/Sim-Tx	132322	1745	19.42	20.80	1.374	-0.05	0.860	1.182
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	0mm	DSI6_Standalone/Sim-Tx	132322	1745	19.42	20.80	1.374	-0.09	1.550	2.130
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	0mm	DSI6_Standalone/Sim-Tx	132072	1720	19.28	20.80	1.419	0.02	1.830	2.597
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	0mm	DSI6_Standalone/Sim-Tx	132572	1770	18.96	20.80	1.528	-0.01	1.840	2.811
	LTE Band 66_Ant1	20M	QPSK	50	24	Front	8mm	DSI4	132322	1745	21.80	23.00	1.318	0.17	0.359	0.473
	LTE Band 66_Ant1	20M	QPSK	50	24	Back	12mm	DSI4	132572	1770	21.65	23.00	1.365	-0.14	0.352	0.480
	LTE Band 66_Ant1	20M	QPSK	50	24	Bottom Side	12mm	DSI4	132572	1770	21.65	23.00	1.365	-0.03	0.474	0.647
	LTE Band 66_Ant1	20M	QPSK	100	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	132322	1745	19.33	20.80	1.403	0.13	1.570	2.202
	LTE Band 66_Ant1	20M	QPSK	100	0	Back	0mm	DSI6_Standalone/Sim-Tx	132322	1745	19.33	20.80	1.403	0.02	1.430	2.006
	LTE Band 25_Ant2	20M	QPSK	1	0	Front	0mm	DSI6_Standalone	26140	1860	20.75	21.70	1.245	0.09	1.370	1.705
	LTE Band 25_Ant2	20M	QPSK	1	0	Back	0mm	DSI6_Standalone	26140	1860	20.75	21.70	1.245	0.01	1.170	1.456
	LTE Band 25_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Standalone	26140	1860	20.75	21.70	1.245	-0.14	1.810	2.253
	LTE Band 25_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Standalone	26340	1880	20.63	21.70	1.279	-0.18	2.170	2.776
112	LTE Band 25_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Standalone	26590	1905	20.60	21.70	1.288	0.12	2.460	**3.169**
	LTE Band 25_Ant2	20M	QPSK	1	0	Front	9mm	DSI4	26140	1860	22.48	24.00	1.419	0.08	0.703	0.998
	LTE Band 25_Ant2	20M	QPSK	1	0	Back	11mm	DSI4	26140	1860	22.48	24.00	1.419	-0.04	0.642	0.911
	LTE Band 25_Ant2	20M	QPSK	1	0	Top Side	12mm	DSI4	26590	1905	22.24	24.00	1.500	-0.15	0.831	1.246
	LTE Band 25_Ant2	20M	QPSK	50	0	Front	0mm	DSI6_Standalone	26140	1860	20.73	21.70	1.250	-0.17	1.480	1.850
	LTE Band 25_Ant2	20M	QPSK	50	0	Back	0mm	DSI6_Standalone	26140	1860	20.73	21.70	1.250	-0.07	1.250	1.563
	LTE Band 25_Ant2	20M	QPSK	50	0	Top Side	0mm	DSI6_Standalone	26140	1860	20.73	21.70	1.250	0.01	1.730	2.163
	LTE Band 25_Ant2	20M	QPSK	50	0	Top Side	0mm	DSI6_Standalone	26340	1880	20.68	21.70	1.265	0.07	2.050	2.593
	LTE Band 25_Ant2	20M	QPSK	50	0	Top Side	0mm	DSI6_Standalone	26590	1905	20.43	21.70	1.340	0.07	2.150	2.880
	LTE Band 25_Ant2	20M	QPSK	100	0	Top Side	0mm	DSI6_Standalone	26140	1860	20.68	21.70	1.265	-0.01	1.830	2.314
	LTE Band 25_Ant2	20M	QPSK	1	0	Front	0mm	DSI6_Sim-Tx	26140	1860	18.47	19.20	1.183	0.09	0.770	0.911
	LTE Band 25_Ant2	20M	QPSK	1	0	Back	0mm	DSI6_Sim-Tx	26140	1860	18.47	19.20	1.183	-0.04	0.675	0.799
	LTE Band 25_Ant2	20M	QPSK	1	0	Top Side	0mm	DSI6_Sim-Tx	26140	1860	18.47	19.20	1.183	-0.18	1.090	1.290
	LTE Band 25_Ant2	20M	QPSK	50	0	Front	0mm	DSI6_Sim-Tx	26140	1860	18.29	19.20	1.233	-0.02	0.826	1.019
	LTE Band 25_Ant2	20M	QPSK	50	0	Back	0mm	DSI6_Sim-Tx	26140	1860	18.29	19.20	1.233	-0.02	0.715	0.882
	LTE Band 25_Ant2	20M	QPSK	50	0	Top Side	0mm	DSI6_Sim-Tx	26140	1860	18.29	19.20	1.233	-0.17	1.160	1.430
	LTE Band 25_Ant1	20M	QPSK	1	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	26140	1860	18.60	19.60	1.259	0.12	1.650	2.077
	LTE Band 25_Ant1	20M	QPSK	1	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	26340	1880	18.56	19.60	1.271	-0.08	1.720	2.185
	LTE Band 25_Ant1	20M	QPSK	1	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	26590	1905	18.38	19.60	1.324	-0.13	1.800	2.384
	LTE Band 25_Ant1	20M	QPSK	1	0	Front	0mm	DSI6_Standalone/Sim-Tx	26140	1860	18.60	19.60	1.259	0.01	0.804	1.012
	LTE Band 25_Ant1	20M	QPSK	1	0	Back	0mm	DSI6_Standalone/Sim-Tx	26140	1860	18.60	19.60	1.259	-0.12	0.868	1.093
	LTE Band 25_Ant1	20M	QPSK	1	0	Front	8mm	DSI4	26140	1860	22.87	24.00	1.297	0.01	0.609	0.790
	LTE Band 25_Ant1	20M	QPSK	1	0	Back	12mm	DSI4	26140	1860	22.87	24.00	1.297	-0.07	0.543	0.704
	LTE Band 25_Ant1	20M	QPSK	1	0	Bottom Side	12mm	DSI4	26590	1905	22.56	24.00	1.393	0.05	1.100	1.532
	LTE Band 25_Ant1	20M	QPSK	50	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	26140	1860	18.34	19.60	1.337	-0.17	1.730	2.312
	LTE Band 25_Ant1	20M	QPSK	50	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	26340	1880	18.24	19.60	1.368	0.19	1.790	2.448
	LTE Band 25_Ant1	20M	QPSK	50	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	26590	1905	18.13	19.60	1.403	-0.16	2.090	2.932
	LTE Band 25_Ant1	20M	QPSK	50	0	Front	0mm	DSI6_Standalone/Sim-Tx	26140	1860	18.34	19.60	1.337	-0.11	0.849	1.135
	LTE Band 25_Ant1	20M	QPSK	50	0	Back	0mm	DSI6_Standalone/Sim-Tx	26140	1860	18.34	19.60	1.337	-0.13	0.901	1.204
	LTE Band 25_Ant1	20M	QPSK	50	0	Front	8mm	DSI4	26140	1860	21.94	23.00	1.276	-0.11	0.345	0.440
	LTE Band 25_Ant1	20M	QPSK	50	0	Back	12mm	DSI4	26140	1860	21.94	23.00	1.276	0.07	0.301	0.384
	LTE Band 25_Ant1	20M	QPSK	50	0	Bottom Side	12mm	DSI4	26590	1905	21.70	23.00	1.349	0.09	0.624	0.842
	LTE Band 25_Ant1	20M	QPSK	100	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	26140	1860	18.31	19.60	1.346	-0.02	1.730	2.328

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	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)
	LTE Band 30_Ant2	10M	QPSK	1	0	Front	0mm	DSI6_Standalone	27710	2310	21.77	22.50	1.183	-0.01	1.920	2.271
	LTE Band 30_Ant2	10M	QPSK	1	0	Back	0mm	DSI6_Standalone	27710	2310	21.77	22.50	1.183	0.06	2.080	2.461
	LTE Band 30_Ant2	10M	QPSK	1	0	Top Side	0mm	DSI6_Standalone	27710	2310	21.77	22.50	1.183	0.03	2.200	2.603
	LTE Band 30_Ant2	10M	QPSK	1	0	Front	9mm	DSI4	27710	2310	22.34	24.00	1.466	-0.08	0.511	0.749
	LTE Band 30_Ant2	10M	QPSK	1	0	Back	11mm	DSI4	27710	2310	22.34	24.00	1.466	0.05	0.567	0.831
	LTE Band 30_Ant2	10M	QPSK	1	0	Top Side	12mm	DSI4	27710	2310	22.34	24.00	1.466	0.13	0.719	1.054
	LTE Band 30_Ant2	10M	QPSK	25	12	Front	0mm	DSI6_Standalone	27710	2310	21.55	22.50	1.245	0.17	2.080	2.589
	LTE Band 30_Ant2	10M	QPSK	25	12	Back	0mm	DSI6_Standalone	27710	2310	21.55	22.50	1.245	0.06	1.950	2.427
	LTE Band 30_Ant2	10M	QPSK	25	12	Top Side	0mm	DSI6_Standalone	27710	2310	21.55	22.50	1.245	0.18	2.040	2.539
	LTE Band 30_Ant2	10M	QPSK	50	0	Front	0mm	DSI6_Standalone	27710	2310	21.44	22.50	1.276	0.03	1.960	2.502
	LTE Band 30_Ant2	10M	QPSK	50	0	Back	0mm	DSI6_Standalone	27710	2310	21.44	22.50	1.276	0.08	1.960	2.502
	LTE Band 30_Ant2	10M	QPSK	50	0	Top Side	0mm	DSI6_Standalone	27710	2310	21.44	22.50	1.276	0.07	2.030	2.591
	LTE Band 30_Ant2	10M	QPSK	1	0	Front	0mm	DSI6_Sim-Tx	27710	2310	19.30	20.00	1.175	0.15	1.120	1.316
	LTE Band 30_Ant2	10M	QPSK	1	0	Back	0mm	DSI6_Sim-Tx	27710	2310	19.30	20.00	1.175	0.02	1.140	1.339
	LTE Band 30_Ant2	10M	QPSK	1	0	Top Side	0mm	DSI6_Sim-Tx	27710	2310	19.30	20.00	1.175	-0.18	1.330	1.563
	LTE Band 30_Ant2	10M	QPSK	25	12	Front	0mm	DSI6_Sim-Tx	27710	2310	19.07	20.00	1.239	-0.05	1.140	1.412
	LTE Band 30_Ant2	10M	QPSK	25	12	Back	0mm	DSI6_Sim-Tx	27710	2310	19.07	20.00	1.239	0.02	1.100	1.363
	LTE Band 30_Ant2	10M	QPSK	25	12	Top Side	0mm	DSI6_Sim-Tx	27710	2310	19.07	20.00	1.239	0.04	1.150	1.425
	LTE Band 30_Ant1	10M	QPSK	1	25	Back	0mm	DSI6_Standalone/Sim-Tx	27710	2310	20.40	21.90	1.413	0.14	1.840	2.599
	LTE Band 30_Ant1	10M	QPSK	1	25	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	27710	2310	20.40	21.90	1.413	-0.07	1.890	2.670
	LTE Band 30_Ant1	10M	QPSK	1	25	Back	12mm	DSI4	27710	2310	22.78	24.00	1.324	-0.14	0.345	0.457
	LTE Band 30_Ant1	10M	QPSK	1	25	Bottom Side	12mm	DSI4	27710	2310	22.78	24.00	1.324	0.18	0.587	0.777
	LTE Band 30_Ant1	10M	QPSK	25	12	Back	0mm	DSI6_Standalone/Sim-Tx	27710	2310	20.35	21.90	1.429	0.05	1.870	2.672
113	LTE Band 30_Ant1	10M	QPSK	25	12	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	27710	2310	20.35	21.90	1.429	0.01	2.000	**2.858**
	LTE Band 30_Ant1	10M	QPSK	25	12	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	27710	2310	20.35	21.90	1.429	0.01	1.780	2.543
	LTE Band 30_Ant1	10M	QPSK	25	12	Back	12mm	DSI4	27710	2310	21.80	23.00	1.318	-0.19	0.198	0.261
	LTE Band 30_Ant1	10M	QPSK	25	12	Bottom Side	12mm	DSI4	27710	2310	21.80	23.00	1.318	0.13	0.343	0.452
	LTE Band 30_Ant1	10M	QPSK	50	0	Back	0mm	DSI6_Standalone/Sim-Tx	27710	2310	20.27	21.90	1.455	-0.13	1.860	2.707
	LTE Band 30_Ant1	10M	QPSK	50	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	27710	2310	20.27	21.90	1.455	0.19	1.920	2.794
	LTE Band 7_Ant1	20M	QPSK	1	99	Front	0mm	DSI6_Standalone/Sim-Tx	21350	2560	21.05	22.00	1.245	-0.18	1.590	1.979
	LTE Band 7_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	21350	2560	21.05	22.00	1.245	-0.01	1.840	2.290
	LTE Band 7_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	20850	2510	20.95	22.00	1.274	0.08	2.150	2.738
	LTE Band 7_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	21100	2535	20.98	22.00	1.265	0.12	2.070	2.618
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	0mm	DSI6_Standalone/Sim-Tx	21350	2560	21.05	22.00	1.245	0.16	1.970	2.452
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	0mm	DSI6_Standalone/Sim-Tx	20850	2510	20.95	22.00	1.274	-0.08	2.140	2.725
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	0mm	DSI6_Standalone/Sim-Tx	21100	2535	20.98	22.00	1.265	0.08	2.150	2.719
	LTE Band 7_Ant1	20M	QPSK	1	99	Front	8mm	DSI4	21350	2560	22.71	24.00	1.346	-0.11	0.602	0.810
	LTE Band 7_Ant1	20M	QPSK	1	99	Back	12mm	DSI4	20850	2510	22.36	24.00	1.459	0.04	0.371	0.541
	LTE Band 7_Ant1	20M	QPSK	1	99	Bottom Side	12mm	DSI4	20850	2510	22.36	24.00	1.459	0.15	0.601	0.877
	LTE Band 7_Ant1	20M	QPSK	50	50	Front	0mm	DSI6_Standalone/Sim-Tx	21350	2560	21.02	22.00	1.253	0.06	1.400	1.754
	LTE Band 7_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	21350	2560	21.02	22.00	1.253	0.05	1.990	2.494
	LTE Band 7_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	20850	2510	20.98	22.00	1.265	-0.18	2.300	2.909
	LTE Band 7_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	21100	2535	21.00	22.00	1.259	0.1	2.220	2.795
	LTE Band 7_Ant1	20M	QPSK	50	50	Back	0mm	DSI6_Standalone/Sim-Tx	21350	2560	21.02	22.00	1.253	0.15	2.110	2.644
114	LTE Band 7_Ant1	20M	QPSK	50	50	Back	0mm	DSI6_Standalone/Sim-Tx	20850	2510	20.98	22.00	1.265	0.02	2.510	**3.174**
	LTE Band 7_Ant1	20M	QPSK	50	50	Back	0mm	DSI6_Standalone/Sim-Tx	21100	2535	21.00	22.00	1.259	-0.07	2.120	2.669
	LTE Band 7_Ant1	20M	QPSK	50	50	Front	8mm	DSI4	21350	2560	21.72	23.00	1.343	-0.17	0.340	0.457
	LTE Band 7_Ant1	20M	QPSK	50	50	Back	12mm	DSI4	20850	2510	21.41	23.00	1.442	0.05	0.256	0.369
	LTE Band 7_Ant1	20M	QPSK	50	50	Bottom Side	12mm	DSI4	20850	2510	21.41	23.00	1.442	0.17	0.409	0.590
	LTE Band 7_Ant1	20M	QPSK	100	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	21350	2560	20.70	22.00	1.349	0.02	2.060	2.779
	LTE Band 7_Ant1	20M	QPSK	100	0	Back	0mm	DSI6_Standalone/Sim-Tx	21350	2560	20.70	22.00	1.349	-0.15	2.320	3.130

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	0mm	DSI4	41055	2636.5	22.73	24.00	1.340	62.9	1.006	-0.08	1.500	2.022
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	0mm	DSI4	39750	2506	22.41	24.00	1.442	62.9	1.006	-0.11	1.370	1.988
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	0mm	DSI4	40185	2549.5	22.62	24.00	1.374	62.9	1.006	-0.03	1.560	2.156
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	0mm	DSI4	40620	2593	22.53	24.00	1.403	62.9	1.006	-0.04	1.550	2.187
	LTE Band 41_Ant1	20M	QPSK	1	99	Front	0mm	DSI4	41490	2680	22.66	24.00	1.361	62.9	1.006	0.17	1.430	1.959
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	41055	2636.5	22.73	24.00	1.340	62.9	1.006	-0.12	2.170	2.925
115	LTE Band 41_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	39750	2506	22.41	24.00	1.442	62.9	1.006	-0.02	2.190	**3.177**
	LTE Band 41C_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	39750(PCC)+ 39948(SCC)	2506(PCC)+ 2525.8(SCC)	22.49	24.00	1.416	62.9	1.006	0.05	2.030	2.891
	LTE Band 41C_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	40185(PCC)+ 39987(SCC)	2549.5(PCC)+ 2525.9(SCC)	22.76	24.00	1.330	62.9	1.006	0.03	1.870	2.503
	LTE Band 41C_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	40620(PCC)+ 40422(SCC)	2593(PCC)+ 2573.20(SCC)	22.89	24.00	1.291	62.9	1.006	-0.06	1.640	2.130
	LTE Band 41C_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	41055(PCC)+ 41253(SCC)	2636.5(PCC)+ 2656.30(SCC)	22.84	24.00	1.306	62.9	1.006	-0.02	2.050	2.694
	LTE Band 41C_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	41490(PCC)+ 41292(SCC)	2680(PCC)+ 2660.2(SCC)	22.97	24.00	1.268	62.9	1.006	0.07	1.850	2.359
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	40185	2549.5	22.62	24.00	1.374	62.9	1.006	0.16	2.160	2.986
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	40620	2593	22.53	24.00	1.403	62.9	1.006	0.12	1.970	2.780
	LTE Band 41_Ant1	20M	QPSK	1	99	Back	0mm	DSI4	41490	2680	22.66	24.00	1.361	62.9	1.006	0.01	1.970	2.698
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI4	41055	2636.5	22.73	24.00	1.340	62.9	1.006	0.13	1.950	2.628
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI4	39750	2506	22.41	24.00	1.442	62.9	1.006	-0.06	2.020	2.931
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI4	40185	2549.5	22.62	24.00	1.374	62.9	1.006	0.02	1.970	2.723
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI4	40620	2593	22.53	24.00	1.403	62.9	1.006	-0.04	1.600	2.258
	LTE Band 41_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI4	41490	2680	22.66	24.00	1.361	62.9	1.006	0.1	1.730	2.369
	LTE Band 41_Ant1	20M	QPSK	50	50	Front	0mm	DSI4	41055	2636.5	22.60	23.00	1.096	62.9	1.006	-0.06	1.460	1.610
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	0mm	DSI4	41055	2636.5	22.60	23.00	1.096	62.9	1.006	0.04	2.060	2.272
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	0mm	DSI4	39750	2506	22.15	23.00	1.216	62.9	1.006	0.11	1.980	2.422
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	0mm	DSI4	40185	2549.5	22.50	23.00	1.122	62.9	1.006	0.05	2.000	2.258
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	0mm	DSI4	40620	2593	22.33	23.00	1.167	62.9	1.006	-0.11	1.960	2.301
	LTE Band 41_Ant1	20M	QPSK	50	50	Back	0mm	DSI4	41490	2680	22.57	23.00	1.104	62.9	1.006	0.02	1.930	2.144
	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI4	41055	2636.5	22.60	23.00	1.096	62.9	1.006	-0.06	1.860	2.052
	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI4	39750	2506	22.15	23.00	1.216	62.9	1.006	-0.11	2.020	2.471
	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI4	40185	2549.5	22.50	23.00	1.122	62.9	1.006	-0.03	1.940	2.190
	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI4	40620	2593	22.33	23.00	1.167	62.9	1.006	0.01	1.570	1.843
	LTE Band 41_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI4	41490	2680	22.57	23.00	1.104	62.9	1.006	-0.12	1.670	1.855
	LTE Band 41_Ant1	20M	QPSK	100	0	Front	0mm	DSI4	41055	2636.5	22.59	23.00	1.099	62.9	1.006	-0.17	1.560	1.725
	LTE Band 41_Ant1	20M	QPSK	100	0	Back	0mm	DSI4	41055	2636.5	22.59	23.00	1.099	62.9	1.006	-0.02	2.220	2.454
	LTE Band 41_Ant1	20M	QPSK	100	0	Bottom Side	0mm	DSI4	41055	2636.5	22.59	23.00	1.099	62.9	1.006	0.09	1.840	2.034
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Front	0mm	DSI6_Standalone/Sim-Tx	41055	2636.5	25.30	25.60	1.072	42.9	1.009	-0.04	1.640	1.773
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	0mm	DSI6_Standalone/Sim-Tx	41055	2636.5	25.30	25.60	1.072	42.9	1.009	-0.02	2.130	2.303
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	0mm	DSI6_Standalone/Sim-Tx	39750	2506	24.59	25.60	1.262	42.9	1.009	0.17	2.050	2.610
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	0mm	DSI6_Standalone/Sim-Tx	40185	2549.5	24.93	25.60	1.167	42.9	1.009	-0.04	1.930	2.272
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	0mm	DSI6_Standalone/Sim-Tx	40620	2593	24.91	25.60	1.172	42.9	1.009	0.18	1.610	1.904
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	0mm	DSI6_Standalone/Sim-Tx	41490	2680	25.07	25.60	1.130	42.9	1.009	0.01	1.910	2.177
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	41055	2636.5	25.30	25.60	1.072	42.9	1.009	-0.08	1.840	1.989
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Front	8mm	DSI4	41055	2636.5	26.30	27.00	1.175	42.9	1.009	0.02	0.400	0.474
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Back	12mm	DSI4	39750	2506	26.03	27.00	1.250	42.9	1.009	0.06	0.367	0.463
	LTE Band 41_HPUE_Ant1	20M	QPSK	1	99	Bottom Side	12mm	DSI4	41055	2636.5	26.30	27.00	1.175	42.9	1.009	0.05	0.470	0.557
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Front	0mm	DSI6_Standalone/Sim-Tx	41055	2636.5	25.25	25.60	1.084	42.9	1.009	0.07	1.720	1.881
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Back	0mm	DSI6_Standalone/Sim-Tx	41055	2636.5	25.25	25.60	1.084	42.9	1.009	-0.17	2.280	2.494
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Back	0mm	DSI6_Standalone/Sim-Tx	39750	2506	24.78	25.60	1.208	42.9	1.009	0.19	2.130	2.596
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Back	0mm	DSI6_Standalone/Sim-Tx	40185	2549.5	25.14	25.60	1.112	42.9	1.009	-0.15	2.100	2.356
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Back	0mm	DSI6_Standalone/Sim-Tx	40620	2593	25.02	25.60	1.143	42.9	1.009	0.1	1.760	2.030
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Back	0mm	DSI6_Standalone/Sim-Tx	41490	2680	25.24	25.60	1.086	42.9	1.009	0.08	2.070	2.269

	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	41055	2636.5	25.25	25.60	1.084	42.9	1.009	-0.18	1.930	2.111
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	39750	2506	24.78	25.60	1.208	42.9	1.009	0.17	1.990	2.425
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	40185	2549.5	25.14	25.60	1.112	42.9	1.009	0.18	1.980	2.221
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	40620	2593	25.02	25.60	1.143	42.9	1.009	0.01	1.540	1.776
	LTE Band 41_HPUE_Ant1	20M	QPSK	50	50	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	41490	2680	25.24	25.60	1.086	42.9	1.009	-0.17	1.630	1.787
	LTE Band 41_HPUE_Ant1	20M	QPSK	100	0	Back	0mm	DSI6_Standalone/Sim-Tx	41055	2636.5	25.20	25.60	1.096	42.9	1.009	0.11	2.320	2.567
	LTE Band 41_HPUE_Ant1	20M	QPSK	100	0	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	41055	2636.5	25.20	25.60	1.096	42.9	1.009	-0.1	1.930	2.135
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	0mm	DSI6_Standalone	55340	3560	21.05	22.20	1.303	62.9	1.006	-0.04	2.020	2.648
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	0mm	DSI6_Standalone	55830	3609	20.94	22.20	1.337	62.9	1.006	-0.04	2.070	2.783
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	0mm	DSI6_Standalone	56150	3641	20.86	22.20	1.361	62.9	1.006	0.12	2.120	2.904
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	0mm	DSI6_Standalone	56640	3690	21.00	22.20	1.318	62.9	1.006	-0.08	2.110	2.798
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	6mm	DSI4	56150	3641	22.43	24.00	1.435	62.9	1.006	0.02	1.570	2.267
	LTE Band 48_Ant4	20M	QPSK	50	0	Back	0mm	DSI6_Standalone	55340	3560	20.97	22.20	1.327	62.9	1.006	0.01	2.140	2.858
	LTE Band 48_Ant4	20M	QPSK	50	0	Back	0mm	DSI6_Standalone	55830	3609	20.86	22.20	1.361	62.9	1.006	0.01	2.210	3.027
116	LTE Band 48_Ant4	20M	QPSK	50	0	Back	0mm	DSI6_Standalone	56150	3641	20.71	22.20	1.409	62.9	1.006	-0.05	2.210	**3.133**
	LTE Band 48_Ant4	20M	QPSK	50	0	Back	0mm	DSI6_Standalone	56640	3690	20.87	22.20	1.358	62.9	1.006	0.02	2.150	2.938
	LTE Band 48C_Ant4	20M	QPSK	1	99	Back	0mm	DSI6_Standalone	55340(PCC)+ 55538(SCC)	3560(PCC)+ 3569.8(SCC)	20.78	22.20	1.387	62.9	1.006	-0.01	2.130	2.972
	LTE Band 48C_Ant4	20M	QPSK	1	0	Back	0mm	DSI6_Standalone	55830(PCC)+ 55632(SCC)	3609(PCC)+ 3589.2(SCC)	20.76	22.20	1.393	62.9	1.006	0.1	2.190	3.069
	LTE Band 48C_Ant4	20M	QPSK	1	0	Back	0mm	DSI6_Standalone	56150(PCC)+ 55952(SCC)	3641(PCC)+ 3621.2(SCC)	20.77	22.20	1.390	62.9	1.006	-0.1	2.200	3.076
	LTE Band 48C_Ant4	20M	QPSK	1	0	Back	0mm	DSI6_Standalone	56640(PCC)+ 56442(SCC)	3690(PCC)+ 3670.2(SCC)	20.72	22.20	1.406	62.9	1.006	0.19	2.090	2.956
	LTE Band 48C_Ant4	20M	QPSK	50	0	Back	6mm	DSI4	56150	3641	21.55	23.00	1.396	62.9	1.006	0.06	1.120	1.573
	LTE Band 48_Ant4	20M	QPSK	100	0	Back	0mm	DSI6_Standalone	55340	3560	20.94	22.20	1.337	62.9	1.006	0.09	2.170	2.918
	LTE Band 48_Ant4	20M	QPSK	100	0	Back	6mm	DSI4	56150	3641	21.66	23.00	1.361	62.9	1.006	0.06	0.996	1.364
	LTE Band 48_Ant4	20M	QPSK	1	0	Back	0mm	DSI6_Sim-Tx	55340	3560	18.71	19.70	1.256	62.9	1.006	-0.04	1.310	1.655
	LTE Band 48_Ant4	20M	QPSK	50	0	Back	0mm	DSI6_Sim-Tx	55340	3560	18.67	19.70	1.268	62.9	1.006	0.13	1.380	1.760
	LTE Band 48C_Ant4	20M	QPSK	1	99	Back	0mm	DSI6_Sim-Tx	55340(PCC)+ 55538(SCC)	3560(PCC)+ 3569.8(SCC)	18.62	19.70	1.282	62.9	1.006	-0.01	1.160	1.496

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N26_Ant 8	20M	BPSK	1	53	DFT-15	Back	0mm	DSI4	164800	824	22.89	24.00	1.291	-0.13	0.799	1.032
117	N26_Ant 8	20M	BPSK	50	0	DFT-15	Back	0mm	DSI4	164800	824	22.77	24.00	1.327	-0.04	0.850	**1.128**
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	0mm	DSI6_Standalone	346000	1730	20.54	21.50	1.247	0.06	1.790	2.233
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	0mm	DSI6_Standalone	349000	1745	20.49	21.50	1.262	0.02	1.830	2.309
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	0mm	DSI6_Standalone	352000	1760	20.43	21.50	1.279	-0.07	1.830	2.341
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Back	0mm	DSI6_Standalone	346000	1730	20.54	21.50	1.247	0.16	1.510	1.884
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Top Side	0mm	DSI6_Standalone	346000	1730	20.54	21.50	1.247	-0.06	1.730	2.158
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Top Side	0mm	DSI6_Standalone	349000	1745	20.49	21.50	1.262	0.01	2.230	2.814
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Top Side	0mm	DSI6_Standalone	352000	1760	20.43	21.50	1.279	0.18	2.340	2.994
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	9mm	DSI4	352000	1760	23.12	24.00	1.225	-0.17	1.280	1.568
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Back	11mm	DSI4	346000	1730	23.28	24.00	1.180	0.18	0.917	1.082
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Top Side	12mm	DSI4	352000	1760	23.12	24.00	1.225	0.07	0.912	1.117
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	0mm	DSI6_Standalone	346000	1730	20.41	21.50	1.285	-0.05	1.930	2.481
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	0mm	DSI6_Standalone	349000	1745	20.35	21.50	1.303	-0.18	1.940	2.528
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	0mm	DSI6_Standalone	352000	1760	20.29	21.50	1.321	-0.03	1.810	2.392
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Back	0mm	DSI6_Standalone	346000	1730	20.41	21.50	1.285	0.1	1.490	1.915
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Standalone	346000	1730	20.41	21.50	1.285	-0.18	1.710	2.198
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Standalone	349000	1745	20.35	21.50	1.303	0.05	2.000	2.606
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Standalone	352000	1760	20.29	21.50	1.321	-0.14	2.310	3.052
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	9mm	DSI4	349000	1745	23.19	24.00	1.205	0.18	1.280	1.542
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Back	11mm	DSI4	346000	1730	23.27	24.00	1.183	0.14	0.914	1.081
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	12mm	DSI4	352000	1760	23.16	24.00	1.213	0.09	0.879	1.067
	N66_Ant 2	40M	BPSK	216	0	DFT-15	Front	0mm	DSI6_Standalone	346000	1730	20.31	21.50	1.315	0.19	1.790	2.354
	N66_Ant 2	40M	BPSK	216	0	DFT-15	Top Side	0mm	DSI6_Standalone	346000	1730	20.31	21.50	1.315	-0.09	1.870	2.459
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Front	0mm	DSI6_Sim-Tx	346000	1730	17.99	19.00	1.262	0.12	1.050	1.325
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Back	0mm	DSI6_Sim-Tx	346000	1730	17.99	19.00	1.262	0.1	0.836	1.055
	N66_Ant 2	40M	BPSK	1	108	DFT-15	Top Side	0mm	DSI6_Sim-Tx	346000	1730	17.99	19.00	1.262	-0.18	0.966	1.219
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Front	0mm	DSI6_Sim-Tx	346000	1730	17.89	19.00	1.291	-0.01	1.050	1.356
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Back	0mm	DSI6_Sim-Tx	346000	1730	17.89	19.00	1.291	0.08	0.837	1.081
	N66_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Sim-Tx	346000	1730	17.89	19.00	1.291	0.09	0.959	1.238
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Front	0mm	DSI6_Standalone/Sim-Tx	352000	1760	19.13	19.80	1.167	0.06	1.230	1.435
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	352000	1760	19.13	19.80	1.167	0.1	1.750	2.042
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	346000	1730	18.93	19.80	1.222	0.18	1.770	2.163
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	349000	1745	19.01	19.80	1.199	-0.02	1.750	2.099
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	352000	1760	19.13	19.80	1.167	-0.07	2.270	2.649
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	346000	1730	18.93	19.80	1.222	-0.19	2.230	2.725
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	349000	1745	19.01	19.80	1.199	0.16	2.320	2.783
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Front	8mm	DSI4	352000	1760	23.04	24.00	1.247	0.19	0.470	0.586
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Back	12mm	DSI4	346000	1730	22.92	24.00	1.282	-0.16	0.405	0.519
	N66_Ant 1	40M	BPSK	1	214	DFT-15	Bottom Side	12mm	DSI4	349000	1745	23.02	24.00	1.253	-0.01	0.417	0.523
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Front	0mm	DSI6_Standalone/Sim-Tx	352000	1760	18.93	19.80	1.222	-0.04	1.320	1.613
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	352000	1760	18.93	19.80	1.222	-0.17	1.790	2.187
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	346000	1730	18.73	19.80	1.279	0.06	1.760	2.252
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	349000	1745	18.69	19.80	1.291	-0.19	1.830	2.363
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	352000	1760	18.93	19.80	1.222	0.06	2.320	2.835
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	346000	1730	18.73	19.80	1.279	0.01	2.130	2.725
118	N66_Ant 1	40M	BPSK	108	108	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	349000	1745	18.69	19.80	1.291	-0.12	2.440	**3.151**
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Front	8mm	DSI4	352000	1760	22.97	24.00	1.268	-0.17	0.318	0.403
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Back	12mm	DSI4	349000	1745	22.92	24.00	1.282	0.17	0.419	0.537
	N66_Ant 1	40M	BPSK	108	108	DFT-15	Bottom Side	12mm	DSI4	349000	1745	22.92	24.00	1.282	-0.13	0.582	0.746
	N66_Ant 1	40M	BPSK	216	0	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	352000	1760	18.76	19.80	1.271	0.04	1.800	2.287
	N66_Ant 1	40M	BPSK	216	0	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	352000	1760	18.76	19.80	1.271	-0.01	1.930	2.452

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	0mm	DSI6_Standalone	376500	1882.5	20.80	21.70	1.230	0.1	2.030	2.497
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	0mm	DSI6_Standalone	374000	1870	20.70	21.70	1.259	0.09	1.940	2.442
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	0mm	DSI6_Standalone	379000	1895	20.75	21.70	1.245	-0.09	2.080	2.589
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Back	0mm	DSI6_Standalone	376500	1882.5	20.80	21.70	1.230	0.12	1.450	1.784
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Top Side	0mm	DSI6_Standalone	376500	1882.5	20.80	21.70	1.230	-0.15	2.430	2.990
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Top Side	0mm	DSI6_Standalone	374000	1870	20.70	21.70	1.259	0.13	2.380	2.996
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Top Side	0mm	DSI6_Standalone	379000	1895	20.75	21.70	1.245	-0.06	2.480	3.086
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	9mm	DSI4	379000	1895	22.98	24.00	1.265	0.15	0.537	0.679
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Back	11mm	DSI4	376500	1882.5	23.11	24.00	1.227	-0.05	0.469	0.576
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Top Side	12mm	DSI4	379000	1895	22.98	24.00	1.265	0.03	0.663	0.839
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	0mm	DSI6_Standalone	376500	1882.5	20.75	21.70	1.245	-0.03	2.040	2.539
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	0mm	DSI6_Standalone	374000	1870	20.65	21.70	1.274	0.08	2.000	2.547
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	0mm	DSI6_Standalone	379000	1895	20.70	21.70	1.259	-0.17	2.030	2.556
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	0mm	DSI6_Standalone	376500	1882.5	20.75	21.70	1.245	0.18	1.680	2.091
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	0mm	DSI6_Standalone	374000	1870	20.65	21.70	1.274	-0.02	1.450	1.847
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	0mm	DSI6_Standalone	379000	1895	20.70	21.70	1.259	-0.15	1.700	2.140
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Standalone	376500	1882.5	20.75	21.70	1.245	0.04	2.530	3.149
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Standalone	374000	1870	20.65	21.70	1.274	-0.1	2.420	3.082
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Standalone	379000	1895	20.70	21.70	1.259	-0.15	2.510	3.160
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	9mm	DSI4	379000	1895	22.67	24.00	1.358	-0.15	0.534	0.725
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	11mm	DSI4	379000	1895	22.67	24.00	1.358	-0.18	0.529	0.719
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	12mm	DSI4	379000	1895	22.67	24.00	1.358	-0.03	0.681	0.925
	N25_Ant 2	40M	BPSK	216	0	DFT-15	Front	0mm	DSI6_Standalone	376500	1882.5	20.69	21.70	1.262	-0.03	2.190	2.763
	N25_Ant 2	40M	BPSK	216	0	DFT-15	Back	0mm	DSI6_Standalone	376500	1882.5	20.69	21.70	1.262	0.02	1.640	2.069
119	N25_Ant 2	40M	BPSK	216	0	DFT-15	Top Side	0mm	DSI6_Standalone	376500	1882.5	20.69	21.70	1.262	-0.1	2.520	**3.180**
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Front	0mm	DSI6_Sim-Tx	376500	1882.5	18.38	19.20	1.208	-0.08	1.140	1.377
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Back	0mm	DSI6_Sim-Tx	376500	1882.5	18.38	19.20	1.208	0.15	0.897	1.083
	N25_Ant 2	40M	BPSK	1	1	DFT-15	Top Side	0mm	DSI6_Sim-Tx	376500	1882.5	18.38	19.20	1.208	0.01	1.470	1.775
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Front	0mm	DSI6_Sim-Tx	376500	1882.5	18.35	19.20	1.216	-0.13	1.210	1.472
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Back	0mm	DSI6_Sim-Tx	376500	1882.5	18.35	19.20	1.216	-0.16	0.890	1.082
	N25_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Sim-Tx	376500	1882.5	18.35	19.20	1.216	-0.05	1.360	1.654
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Front	0mm	DSI6_Standalone/Sim-Tx	374000	1870	19.83	20.50	1.167	-0.13	1.100	1.283
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	374000	1870	19.83	20.50	1.167	0.03	1.450	1.692
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	374000	1870	19.83	20.50	1.167	0.01	1.720	2.007
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	376500	1882.5	19.71	20.50	1.199	0.05	1.920	2.303
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	379000	1895	19.73	20.50	1.194	-0.19	1.790	2.137
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Front	8mm	DSI4	374000	1870	22.85	24.00	1.303	0.17	0.496	0.646
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	12mm	DSI4	374000	1870	22.85	24.00	1.303	0.01	0.405	0.528
	N25_Ant 1	40M	BPSK	1	1	DFT-15	Bottom Side	12mm	DSI4	376500	1882.5	22.83	24.00	1.309	-0.17	0.723	0.947
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Front	0mm	DSI6_Standalone/Sim-Tx	374000	1870	19.75	20.50	1.189	0.14	1.020	1.212
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	374000	1870	19.75	20.50	1.189	0.01	1.410	1.676
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	374000	1870	19.75	20.50	1.189	0.11	1.740	2.068
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	376500	1882.5	19.55	20.50	1.245	0.16	2.150	2.676
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	379000	1895	19.54	20.50	1.247	-0.15	2.170	2.707
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Front	8mm	DSI4	374000	1870	22.72	23.50	1.197	-0.07	0.439	0.525
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Back	12mm	DSI4	374000	1870	22.72	23.50	1.197	0.08	0.377	0.451
	N25_Ant 1	40M	BPSK	108	0	DFT-15	Bottom Side	12mm	DSI4	379000	1895	22.60	23.50	1.230	-0.16	0.685	0.843
	N25_Ant 1	40M	BPSK	216	0	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	374000	1870	19.77	20.50	1.183	-0.01	2.280	2.697

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Front	0mm	DSI6_Standalone	462000	2310	22.65	23.50	1.216	-0.08	2.400	2.919
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Back	0mm	DSI6_Standalone	462000	2310	22.65	23.50	1.216	0.01	2.150	2.615
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Top Side	0mm	DSI6_Standalone	462000	2310	22.65	23.50	1.216	0.03	2.480	3.016
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Front	9mm	DSI4	462000	2310	23.12	24.00	1.225	-0.16	0.819	1.003
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Back	11mm	DSI4	462000	2310	23.12	24.00	1.225	-0.11	0.868	1.063
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Top Side	12mm	DSI4	462000	2310	23.12	24.00	1.225	-0.03	1.300	1.592
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Front	0mm	DSI6_Standalone	462000	2310	22.55	23.50	1.245	0.17	2.380	2.962
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Back	0mm	DSI6_Standalone	462000	2310	22.55	23.50	1.245	-0.15	2.110	2.626
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Top Side	0mm	DSI6_Standalone	462000	2310	22.55	23.50	1.245	-0.1	2.420	3.012
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Front	9mm	DSI4	462000	2310	23.04	24.00	1.247	-0.13	0.790	0.985
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Back	11mm	DSI4	462000	2310	23.04	24.00	1.247	-0.18	0.827	1.032
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Top Side	12mm	DSI4	462000	2310	23.04	24.00	1.247	0.03	1.260	1.572
	N30_Ant 2	10M	BPSK	50	0	DFT-15	Front	0mm	DSI6_Standalone	462000	2310	22.49	23.50	1.262	-0.04	2.320	2.927
	N30_Ant 2	10M	BPSK	50	0	DFT-15	Back	0mm	DSI6_Standalone	462000	2310	22.49	23.50	1.262	0.01	2.120	2.675
120	N30_Ant 2	10M	BPSK	50	0	DFT-15	Top Side	0mm	DSI6_Standalone	462000	2310	22.49	23.50	1.262	-0.02	2.460	**3.104**
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Front	0mm	DSI6_Sim-Tx	462000	2310	20.25	21.00	1.189	0.07	1.390	1.652
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Back	0mm	DSI6_Sim-Tx	462000	2310	20.25	21.00	1.189	0.13	1.230	1.462
	N30_Ant 2	10M	BPSK	1	1	DFT-15	Top Side	0mm	DSI6_Sim-Tx	462000	2310	20.25	21.00	1.189	0.19	1.440	1.711
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Front	0mm	DSI6_Sim-Tx	462000	2310	20.20	21.00	1.202	0.14	1.360	1.635
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Back	0mm	DSI6_Sim-Tx	462000	2310	20.20	21.00	1.202	0.18	1.210	1.455
	N30_Ant 2	10M	BPSK	25	0	DFT-15	Top Side	0mm	DSI6_Sim-Tx	462000	2310	20.20	21.00	1.202	0.19	1.490	1.791
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Front	0mm	DSI6_Standalone/Sim-Tx	462000	2310	22.38	23.30	1.236	-0.03	1.400	1.730
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	462000	2310	22.38	23.30	1.236	-0.03	2.310	2.855
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	462000	2310	22.38	23.30	1.236	0.17	2.380	2.942
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Front	8mm	DSI4	462000	2310	23.13	24.00	1.222	-0.03	0.255	0.312
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Back	12mm	DSI4	462000	2310	23.13	24.00	1.222	0.13	0.214	0.261
	N30_Ant 1	10M	BPSK	1	50	DFT-15	Bottom Side	12mm	DSI4	462000	2310	23.13	24.00	1.222	-0.16	0.347	0.424
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Front	0mm	DSI6_Standalone/Sim-Tx	462000	2310	22.32	23.30	1.253	0.01	1.440	1.805
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	462000	2310	22.32	23.30	1.253	0.01	2.290	2.870
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	462000	2310	22.32	23.30	1.253	0.15	2.380	2.982
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Front	8mm	DSI4	462000	2310	23.09	24.00	1.233	0.01	0.254	0.313
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Back	12mm	DSI4	462000	2310	23.09	24.00	1.233	-0.14	0.639	0.788
	N30_Ant 1	10M	BPSK	25	13	DFT-15	Bottom Side	12mm	DSI4	462000	2310	23.09	24.00	1.233	-0.09	0.772	0.952
	N30_Ant 1	10M	BPSK	50	0	DFT-15	Back	0mm	DSI6_Standalone/Sim-Tx	462000	2310	22.28	23.30	1.265	0.19	2.280	2.884
	N30_Ant 1	10M	BPSK	50	0	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	462000	2310	22.28	23.30	1.265	-0.14	2.390	3.023

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.72	22.50	1.197	-0.02	1.770	2.118
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.61	22.50	1.227	-0.19	1.330	1.632
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.65	22.50	1.216	-0.04	1.550	1.885
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.72	22.50	1.197	0.05	2.140	2.561
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.61	22.50	1.227	-0.18	1.400	1.718
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.65	22.50	1.216	0.05	2.010	2.445
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.72	22.50	1.197	0.11	1.610	1.927
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Front	8mm	DSI4	509202	2546.01	23.35	24.00	1.161	-0.15	0.438	0.509
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Back	12mm	DSI4	509202	2546.01	23.35	24.00	1.161	-0.11	0.401	0.466
	N41_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	12mm	DSI4	509202	2546.01	23.35	24.00	1.161	0.19	0.684	0.794
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.68	22.50	1.208	0.18	2.020	2.440
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.49	22.50	1.262	-0.11	1.580	1.994
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.39	22.50	1.291	-0.16	1.650	2.131
121	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.68	22.50	1.208	-0.04	2.630	**3.177**
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.49	22.50	1.262	-0.19	1.870	2.360
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.39	22.50	1.291	0.19	2.280	2.944
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.68	22.50	1.208	-0.14	2.050	2.476
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.49	22.50	1.262	0.13	1.310	1.653
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.39	22.50	1.291	-0.12	1.790	2.311
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Front	8mm	DSI4	509202	2546.01	23.17	24.00	1.211	-0.04	0.486	0.588
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Back	12mm	DSI4	509202	2546.01	23.17	24.00	1.211	-0.08	0.435	0.527
	N41_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	12mm	DSI4	518598	2592.99	23.17	24.00	1.211	0.19	0.798	0.966
	N41_Ant 1	100M	BPSK	270	0	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.70	22.50	1.202	-0.14	1.990	2.393
	N41_Ant 1	100M	BPSK	270	0	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.70	22.50	1.202	-0.01	2.640	3.174
	N41_Ant 1	100M	BPSK	270	0	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.70	22.50	1.202	-0.11	2.370	2.849
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.72	22.50	1.197	-0.02	1.770	2.118
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.61	22.50	1.227	-0.19	1.330	1.632
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.65	22.50	1.216	-0.04	1.550	1.885
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.72	22.50	1.197	0.05	2.140	2.561
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.61	22.50	1.227	-0.18	1.400	1.718
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.65	22.50	1.216	0.05	2.010	2.445
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.72	22.50	1.197	0.11	1.610	1.927
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Front	8mm	DSI4	509202	2546.01	25.56	27.00	1.393	-0.08	0.223	0.311
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Back	12mm	DSI4	509202	2546.01	25.56	27.00	1.393	0.05	0.367	0.511
	N41 HPUE_Ant 1	100M	BPSK	1	271	DFT-30	Bottom Side	12mm	DSI4	509202	2546.01	25.56	27.00	1.393	0.04	0.508	0.708
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.68	22.50	1.208	0.18	2.020	2.440
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.49	22.50	1.262	-0.11	1.580	1.994
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.39	22.50	1.291	-0.16	1.650	2.131
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.68	22.50	1.208	-0.04	2.630	3.177
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.49	22.50	1.262	-0.19	1.870	2.360
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.39	22.50	1.291	0.19	2.280	2.944
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	518598	2592.99	21.68	22.50	1.208	-0.14	2.050	2.476
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	528000	2640	21.49	22.50	1.262	0.13	1.310	1.653
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.39	22.50	1.291	-0.12	1.790	2.311
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Front	8mm	DSI4	509202	2546.01	25.40	27.00	1.445	-0.08	0.319	0.461
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Back	12mm	DSI4	509202	2546.01	25.40	27.00	1.445	0.09	0.359	0.519
	N41 HPUE_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	12mm	DSI4	518598	2592.99	25.06	27.00	1.563	0.17	0.441	0.689
	N41 HPUE_Ant 1	100M	BPSK	270	0	DFT-30	Front	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.70	22.50	1.202	-0.14	1.990	2.393
	N41 HPUE_Ant 1	100M	BPSK	270	0	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.70	22.50	1.202	-0.01	2.640	3.174
	N41 HPUE_Ant 1	100M	BPSK	270	0	DFT-30	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.70	22.50	1.202	-0.11	2.370	2.849

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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)
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	0mm	DSI6_Standalone	650000	3750	18.08	18.80	1.180	0.12	2.600	3.069
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	0mm	DSI6_Standalone	656000	3840	18.01	18.80	1.199	0.07	1.870	2.243
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	0mm	DSI6_Standalone	662000	3930	17.78	18.80	1.265	0.08	2.250	2.846
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Left Side	0mm	DSI4	650000	3750	23.31	24.00	1.172	0.03	0.651	0.763
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Top Side	0mm	DSI4	650000	3750	23.31	24.00	1.172	-0.02	0.773	0.906
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	6mm	DSI4	650000	3750	23.31	24.00	1.172	0.05	2.140	2.508
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	6mm	DSI4	656000	3840	23.08	24.00	1.236	0.06	1.830	2.262
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	6mm	DSI4	662000	3930	22.76	24.00	1.330	0.04	1.980	2.634
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	0mm	DSI6_Standalone	650000	3750	18.07	18.80	1.183	0.04	2.650	3.135
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	0mm	DSI6_Standalone	656000	3840	17.80	18.80	1.259	-0.01	1.900	2.392
122	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	0mm	DSI6_Standalone	662000	3930	17.70	18.80	1.288	-0.13	2.450	**3.156**
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Left Side	0mm	DSI4	650000	3750	23.26	24.00	1.186	0.05	0.626	0.742
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Top Side	0mm	DSI4	650000	3750	23.26	24.00	1.186	0.08	0.747	0.886
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	6mm	DSI4	650000	3750	23.26	24.00	1.186	-0.08	2.210	2.621
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	6mm	DSI4	656000	3840	23.06	24.00	1.242	0.02	2.000	2.483
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	6mm	DSI4	662000	3930	22.74	24.00	1.337	-0.06	2.180	2.914
	N77_Ant 4	100M	BPSK	270	0	DFT-30	Back	0mm	DSI6_Standalone	650000	3750	17.91	18.80	1.227	-0.12	2.380	2.921
	N77_Ant 4	100M	BPSK	270	0	DFT-30	Back	6mm	DSI4	650000	3750	22.67	23.50	1.211	-0.08	2.020	2.445
	N77_Ant 4	100M	BPSK	1	137	DFT-30	Back	0mm	DSI6_Sim-Tx	650000	3750	15.66	16.30	1.159	-0.19	1.340	1.553
	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	0mm	DSI6_Sim-Tx	650000	3750	15.63	16.30	1.167	-0.01	1.410	1.645
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Back	0mm	DSI6_Standalone	650000	3750	17.87	18.70	1.211	-0.08	2.210	2.675
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Back	0mm	DSI6_Standalone	650000	3750	17.79	18.70	1.233	0.13	2.440	3.009
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Back	6mm	DSI4	650000	3750	23.09	24.00	1.233	0.17	2.090	2.577
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Back	6mm	DSI4	650000	3750	22.93	24.00	1.279	-0.15	2.220	2.840
	N78_Ant 4	100M	BPSK	270	0	DFT-30	Back	6mm	DSI4	650000	3750	22.93	24.00	1.279	-0.15	1.890	2.418
123	N78_Ant 4	100M	BPSK	270	0	DFT-30	Back	0mm	DSI6_Standalone	650000	3750	16.82	18.20	1.374	0.09	2.260	**3.105**
	N78_Ant 4	100M	BPSK	1	137	DFT-30	Back	0mm	DSI6_Sim-Tx	650000	3750	15.36	16.20	1.213	0.03	1.320	1.602
	N78_Ant 4	100M	BPSK	135	69	DFT-30	Back	0mm	DSI6_Sim-Tx	650000	3750	15.31	16.20	1.227	0.04	1.340	1.645

<WLAN2.4G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	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)
124	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Full	6	2437	20.10	22.00	1.549	99.31	1.007	0.02	1.040	**1.622**

<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	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)
125	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	48	5240	15.65	17.50	1.531	98.28	1.018	0.18	1.960	**3.055**
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Full	48	5240	18.57	20.00	1.390	98.28	1.018	0.01	0.435	0.616
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	40	5200	15.63	17.50	1.538	98.28	1.018	0.18	1.730	2.709
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	44	5220	15.62	17.50	1.542	98.28	1.018	-0.02	1.740	2.731
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	36	5180	14.82	16.50	1.472	98.28	1.018	-0.19	1.450	2.173
	WLAN5.2GHz	802.11a 6Mbps	Back	8mm	Full	48	5240	18.57	20.00	1.390	98.28	1.018	-0.14	1.190	1.684
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Reduced_Sim-Tx	48	5240	13.94	15.50	1.432	98.28	1.018	0.19	1.100	1.604
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Reduced_Sim-Tx	48	5240	13.94	15.50	1.432	98.28	1.018	0.13	0.181	0.264
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Full	52	5260	18.29	20.00	1.483	98.28	1.018	0.08	0.062	0.094
126	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	52	5260	16.36	18.00	1.459	98.28	1.018	0.09	2.140	**3.178**
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Full	52	5260	18.29	20.00	1.483	98.28	1.018	-0.13	0.215	0.324
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Full	52	5260	18.29	20.00	1.483	98.28	1.018	-0.18	0.086	0.130
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Full	52	5260	18.29	20.00	1.483	98.28	1.018	0.01	0.292	0.441
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	56	5280	16.33	18.00	1.469	98.28	1.018	-0.05	1.770	2.647
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	60	5300	16.32	18.00	1.472	98.28	1.018	-0.13	1.500	2.248
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	64	5320	16.01	17.50	1.409	98.28	1.018	-0.05	1.330	1.908
	WLAN5.3GHz	802.11a 6Mbps	Back	8mm	Full	52	5260	18.29	20.00	1.483	98.28	1.018	0.15	1.200	1.811
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Reduced_Sim-Tx	52	5260	14.36	15.50	1.300	98.28	1.018	0.18	0.023	0.031
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Reduced_Sim-Tx	52	5260	14.36	15.50	1.300	98.28	1.018	-0.18	1.270	1.681
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Reduced_Sim-Tx	52	5260	14.36	15.50	1.300	98.28	1.018	0.03	0.071	0.094
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Reduced_Sim-Tx	52	5260	14.36	15.50	1.300	98.28	1.018	-0.06	0.026	0.034
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Reduced_Sim-Tx	52	5260	14.36	15.50	1.300	98.28	1.018	-0.04	0.194	0.257
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Full	100	5500	17.72	19.00	1.343	98.28	1.018	0.19	0.032	0.044
127	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	100	5500	15.98	17.00	1.265	98.28	1.018	-0.09	1.520	**1.957**
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Full	100	5500	17.72	19.00	1.343	98.28	1.018	0.13	0.099	0.135
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Full	100	5500	17.72	19.00	1.343	98.28	1.018	-0.12	0.041	0.056
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Full	100	5500	17.72	19.00	1.343	98.28	1.018	0.07	0.278	0.380
	WLAN5.5GHz	802.11a 6Mbps	Back	8mm	Full	100	5500	17.64	19.00	1.368	98.28	1.018	0.09	0.898	1.250
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Reduced_Sim-Tx	100	5500	14.30	15.50	1.318	98.28	1.018	0.11	0.017	0.023
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Reduced_Sim-Tx	100	5500	14.30	15.50	1.318	98.28	1.018	-0.11	1.080	1.449
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Reduced_Sim-Tx	100	5500	14.30	15.50	1.318	98.28	1.018	-0.01	0.057	0.076
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Reduced_Sim-Tx	100	5500	14.30	15.50	1.318	98.28	1.018	0.15	0.019	0.025
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Reduced_Sim-Tx	100	5500	14.30	15.50	1.318	98.28	1.018	-0.13	0.151	0.203
	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	165	5825	18.27	19.50	1.327	98.28	1.018	-0.08	2.220	3.000
128	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	149	5745	18.18	19.50	1.355	98.28	1.018	0.08	2.290	**3.159**
	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Reduced_Standalone	157	5785	18.19	19.50	1.352	98.28	1.018	0.16	1.670	2.299
	WLAN5.8GHz	802.11a 6Mbps	Back	8mm	Full	165	5825	18.82	20.00	1.312	98.28	1.018	0.14	0.921	1.230
	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Reduced_Sim-Tx	165	5825	16.07	17.50	1.390	98.28	1.018	0.07	1.250	1.769

16.5 Repeated SAR Measurement

<1g>

No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 26_Ant2	15M	QPSK	1	0		Left Cheek	0mm	DSI2_Standalone	26765	821.5	20.55	21.30	1.189	-	-	-0.11	1.000	1	1.189
2nd	LTE Band 26_Ant2	15M	QPSK	1	0		Left Cheek	0mm	DSI2_Standalone	26765	821.5	20.55	21.30	1.189	-	-	-0.11	0.975	1.026	1.159
1st	N12_Ant 2	15M	BPSK	36	0	DFT-15	Left Cheek	0mm	DSI4	141500	707.5	22.93	24.00	1.279	-	-	0.16	0.909	1	1.163
2nd	N12_Ant 2	15M	BPSK	36	0	DFT-15	Left Cheek	0mm	DSI4	141500	707.5	22.93	24.00	1.279	-	-	0.16	0.905	1.004	1.158
1st	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	DSI2_Standalone	352000	1760	15.11	16.10	1.256	-	-	0.18	0.944	1	1.186
2nd	N66_Ant 2	40M	BPSK	108	54	DFT-15	Left Tilted	0mm	DSI2_Standalone	352000	1760	15.11	16.10	1.256	-	-	0.03	0.923	1.023	1.159
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Cheek	0mm	Reduced_Standalone	1	2412	19.10	20.50	1.380	99.31	1.007	0.05	0.859	1	1.194
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Cheek	0mm	Reduced_Standalone	1	2412	19.10	20.50	1.380	99.31	1.007	0.03	0.845	1.017	1.175
1st	LTE Band 30_Ant1	10M	QPSK	25	12	-	Bottom Side	5mm	DSI3_Sim-Tx	27710	2310	17.13	18.10	1.250	-	-	-0.13	0.948	1	1.185
2nd	LTE Band 30_Ant1	10M	QPSK	25	12	-	Bottom Side	5mm	DSI3_Sim-Tx	27710	2310	17.13	18.10	1.250	-	-	0.03	0.942	1.006	1.178
1st	N41_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-	-	-0.13	0.986	1	1.183
2nd	N41_Ant 1	100M	BPSK	135	138	DFT-30	Bottom Side	5mm	DSI3_Sim-Tx	509202	2546.01	15.61	16.40	1.199	-	-	0.03	0.871	1.132	1.045
1st	WLAN5GHz	-	-	-	-	802.11a 6Mbps	Back	5mm	Reduced_Standalone	44	5220	9.50	11.00	1.413	98.28	1.018	-0.15	0.815	1	1.172
2nd	WLAN5GHz	-	-	-	-	802.11a 6Mbps	Back	5mm	Reduced_Standalone	44	5220	9.50	11.00	1.413	98.28	1.018	0.02	0.702	1.161	1.009
1st	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Standalone	379000	1895	17.90	18.80	1.230	-	-	0.19	0.963	1	1.185
2nd	N25_Ant 1	40M	BPSK	1	1	DFT-15	Back	5mm	DSI3_Standalone	379000	1895	17.90	18.80	1.230	-	-	0.02	0.942	1.022	1.159
1st	N78_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Standalone	650000	3750	12.63	13.70	1.279	-	-	-0.19	0.870	1	1.113
2nd	N78_Ant 4	100M	BPSK	135	69	DFT-30	Back	5mm	DSI3_Standalone	650000	3750	12.63	13.70	1.279	-	-	0.02	0.867	1.003	1.109

<10g>

No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power State	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	LTE Band 48_Ant4	20M	QPSK	50	0	-	Back	0mm	DSI6	56150	3641	20.71	22.20	1.409	62.9	1.006	-0.05	2.210	1	3.133
2nd	LTE Band 48_Ant4	20M	QPSK	50	0	-	Back	0mm	DSI6	56150	3641	20.71	22.20	1.409	62.9	1.006	0.03	2.190	1.009	3.105
1st	N66_Ant 1	40M	BPSK	108	108	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	349000	1745	18.69	19.80	1.291	-	-	-0.12	2.440	1	3.151
2nd	N66_Ant 1	40M	BPSK	108	108	DFT-15	Bottom Side	0mm	DSI6_Standalone/Sim-Tx	349000	1745	18.69	19.80	1.291	-	-	0.02	2.380	1.025	3.073
1st	N25_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Standalone	376500	1882.5	20.75	21.70	1.245	-	-	0.04	2.530	1	3.149
2nd	N25_Ant 2	40M	BPSK	108	54	DFT-15	Top Side	0mm	DSI6_Standalone	376500	1882.5	20.75	21.70	1.245	-	-	0.08	2.510	1.008	3.124
1st	N30_Ant 2	10M	BPSK	1	1	DFT-15	Top Side	0mm	DSI6_Standalone	462000	2310	22.65	23.50	1.216	-	-	0.03	2.480	1	3.016
2nd	N30_Ant 2	10M	BPSK	1	1	DFT-15	Top Side	0mm	DSI6_Standalone	462000	2310	22.65	23.50	1.216	-	-	0.09	2.440	1.016	2.967
1st	N41_Ant 1	100M	BPSK	270	0	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.70	22.50	1.202	-	-	-0.01	2.640	1	3.174
2nd	N41_Ant 1	100M	BPSK	270	0	DFT-30	Back	0mm	DSI6_Standalone/Sim-Tx	509202	2546.01	21.70	22.50	1.202	-	-	0.07	2.600	1.015	3.126
1st	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	0mm	DSI6_Standalone	650000	3750	18.07	18.80	1.183	-	-	0.04	2.650	1	3.135
2nd	N77_Ant 4	100M	BPSK	135	69	DFT-30	Back	0mm	DSI6_Standalone	650000	3750	18.07	18.80	1.183	-	-	0.03	2.620	1.011	3.100
1st	WLAN5GHz	-	-	-	-	802.11a 6Mbps	Back	0mm	Reduced_Standalone	149	5745	18.18	19.50	1.355	98.28	1.018	0.08	2.290	1	3.159
2nd	WLAN5GHz	-	-	-	-	802.11a 6Mbps	Back	0mm	Reduced_Standalone	149	5745	18.18	19.50	1.355	98.28	1.018	0.03	2.270	1.009	3.132

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.

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN+ Bluetooth	Yes	Yes	Yes	Yes

General Note:

1. This device supports VoIP in GPRS, EGPRS, CDMA, WCDMA and LTE (e.g. for 3rd-party VoIP) and LTE supports VoLTE function.
2. EUT will choose each GSM, CDMA, WCDMA, LTE and 5G NR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
3. 5GNR supports SA and NSA mode.
4. For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G (LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using either 4G or 5G NR.
5. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
6. This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
7. EUT will choose either WLAN 2.4GHz or WLAN 5GHz according to the network signal condition; therefore, 2.4GHz WLAN and 5GHz WLAN will not operate simultaneously at any moment though they have independent antenna.
8. WLAN2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
9. According to the EUT character, WLAN 5GHz and Bluetooth can't transmit simultaneously.
10. The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
11. For Body-worn, always chose higher SAR between 5mm SAR and sensor off distance SAR to do co-located analysis.
12. For Product Specific Exposure, always chose higher SAR between 0mm SAR and sensor off distance SAR to do co-located analysis.
13. All licensed modes share the same antenna part and cannot transmit simultaneously
14. The Scaled SAR summation is calculated based on the same configuration and test position.
15. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
    i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
    ii) SPLSR = (SAR1 + SAR2)^1.5 / (min. separation distance, mm), and the peak separation distance is determined from the square root of [(x1-x2)2 + (y1-y2)2 + (z1-z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
    iii) If SPLSR ≤ 0.04 for 1g SAR and SPLSR≤ 0.10 for 10g SAR , simultaneously transmission SAR measurement is not necessary.
    iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
    v) The SPLSR calculated results please refer to section 17.6.

17.1 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by Qualcomm® Smart Transmit, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

Smart Transmit current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x%, then the exposure margin left for 5G NR is capped to (100-x)%. Thus, the compliance equation for LTE + 5G NR is

*x% * A + (100-x)% * B ≤ 1.0,*

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and A ≤ 1.0; B is normalized reported time-averaged exposure ratio from 5G NR (i.e., PD exposure for 5G FR2 or SAR exposure for 5G FR1), and B ≤1.0.

Let C = normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

*x% * A + (100-x)% * B + C ≤ 1.0* (1)

x% * A + (100-x)% * B ≤ x% * max(A, B) + (100-x)% * max(A, B) ≤ max(A, B)

*x% * A + (100-x)% * B + C ≤ max(A, B) + C ≤ 1.0* (2)

if A + C ≤ 1.0 and B + C ≤ 1.0 can be proven, then “x% * A + (100-x)% * B + C ≤ 1.0”. Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1
Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

Above analysis is also apply to LTE inter band uplink, LTE1 + LTE2 + WLAN + BT simultaneous transmission, So inter band CA uplink no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE + WLAN + BT < 1.

17.2 Head Exposure Conditions

WWAN Band		Exposure Position	1	6	1+6 Summed 1g SAR (W/kg)
			WWAN	Bluetooth	
			1g SAR (W/kg)	1g SAR (W/kg)	
GSM	GSM850_Ant8	Right Cheek	0.246	0.059	0.31
		Right Tilted	0.105	0.056	0.16
		Left Cheek	0.263	0.034	0.30
		Left Tilted	0.106	0.039	0.15
	GSM1900_Ant1	Right Cheek	0.055	0.059	0.11
		Right Tilted	0.043	0.056	0.10
		Left Cheek	0.051	0.034	0.09
		Left Tilted	0.048	0.039	0.09
CDMA	CDMA BC0_Ant8	Right Cheek	0.208	0.059	0.27
		Right Tilted	0.071	0.056	0.13
		Left Cheek	0.189	0.034	0.22
		Left Tilted	0.072	0.039	0.11
	CDMA BC10_Ant8	Right Cheek	0.137	0.059	0.20
		Right Tilted	0.063	0.056	0.12
		Left Cheek	0.123	0.034	0.16
		Left Tilted	0.088	0.039	0.13
	CDMA BC1_Ant1	Right Cheek	0.081	0.059	0.14
		Right Tilted	0.055	0.056	0.11
		Left Cheek	0.110	0.034	0.14
		Left Tilted	0.084	0.039	0.12
WCDMA	WCDMA V_Ant8	Right Cheek	0.231	0.059	0.29
		Right Tilted	0.126	0.056	0.18
		Left Cheek	0.213	0.034	0.25
		Left Tilted	0.095	0.039	0.13
	WCDMA IV_Ant1	Right Cheek	0.124	0.059	0.18
		Right Tilted	0.110	0.056	0.17
		Left Cheek	0.120	0.034	0.15
		Left Tilted	0.088	0.039	0.13
	WCDMA II_Ant1	Right Cheek	0.107	0.059	0.17
		Right Tilted	0.071	0.056	0.13
		Left Cheek	0.111	0.034	0.15
		Left Tilted	0.101	0.039	0.14
LTE	LTE Band 71_Ant8	Right Cheek	0.082	0.059	0.14
		Right Tilted		0.056	0.06
		Left Cheek	0.095	0.034	0.13
		Left Tilted		0.039	0.04
	LTE Band 12_Ant8	Right Cheek	0.101	0.059	0.16
		Right Tilted	0.039	0.056	0.10
		Left Cheek	0.102	0.034	0.14
		Left Tilted	0.039	0.039	0.08
	LTE Band 13_Ant8	Right Cheek	0.197	0.059	0.26
		Right Tilted	0.091	0.056	0.15
		Left Cheek	0.202	0.034	0.24
		Left Tilted	0.091	0.039	0.13
	LTE Band 14_Ant8	Right Cheek	0.217	0.059	0.28
		Right Tilted	0.091	0.056	0.15
		Left Cheek	0.207	0.034	0.24
		Left Tilted	0.095	0.039	0.13
	LTE Band 26_Ant8	Right Cheek	0.090	0.059	0.15

		Right Tilted		0.056	0.06
		Left Cheek	0.118	0.034	0.15
		Left Tilted	0.078	0.039	0.12
	LTE Band 66_Ant1	Right Cheek	0.126	0.059	0.19
		Right Tilted	0.078	0.056	0.13
		Left Cheek	0.088	0.034	0.12
		Left Tilted	0.073	0.039	0.11
	LTE Band 25_Ant1	Right Cheek	0.093	0.059	0.15
		Right Tilted	0.086	0.056	0.14
		Left Cheek	0.129	0.034	0.16
		Left Tilted	0.090	0.039	0.13
	LTE Band 30_Ant1	Right Cheek	0.044	0.059	0.10
		Right Tilted	0.028	0.056	0.08
		Left Cheek	0.063	0.034	0.10
		Left Tilted	0.044	0.039	0.08
	LTE Band 7_Ant1	Right Cheek	0.069	0.059	0.13
		Right Tilted	0.062	0.056	0.12
		Left Cheek	0.088	0.034	0.12
		Left Tilted	0.043	0.039	0.08
	LTE Band 41_Ant1	Right Cheek	0.031	0.059	0.09
		Right Tilted	0.038	0.056	0.09
		Left Cheek	0.044	0.034	0.08
		Left Tilted	0.023	0.039	0.06
	LTE Band 41_HPUE_Ant 1	Right Cheek	0.043	0.059	0.10
		Right Tilted	0.056	0.056	0.11
		Left Cheek	0.060	0.034	0.09
		Left Tilted	0.033	0.039	0.07
NR	N71_Ant 8	Right Cheek	0.052	0.059	0.11
		Right Tilted	0.020	0.056	0.08
		Left Cheek	0.069	0.034	0.10
		Left Tilted	0.020	0.039	0.06
	N26_Ant 8	Right Cheek	0.110	0.059	0.17
		Right Tilted	0.038	0.056	0.09
		Left Cheek	0.085	0.034	0.12
		Left Tilted	0.075	0.039	0.11
	N66_Ant 1	Right Cheek	0.114	0.059	0.17
		Right Tilted	0.087	0.056	0.14
		Left Cheek	0.102	0.034	0.14
		Left Tilted	0.095	0.039	0.13
	N25_Ant 1	Right Cheek	0.067	0.059	0.13
		Right Tilted	0.044	0.056	0.10
		Left Cheek	0.071	0.034	0.11
		Left Tilted	0.064	0.039	0.10
	N30_Ant 1	Right Cheek	0.034	0.059	0.09
		Right Tilted	0.018	0.056	0.07
		Left Cheek	0.046	0.034	0.08
		Left Tilted	0.033	0.039	0.07
	N41_Ant 1	Right Cheek	0.045	0.059	0.10
		Right Tilted	0.054	0.056	0.11
		Left Cheek	0.064	0.034	0.10
		Left Tilted	0.031	0.039	0.07
	N41 HPUE_Ant 1	Right Cheek	0.078	0.059	0.14
		Right Tilted	0.065	0.056	0.12
		Left Cheek	0.088	0.034	0.12
		Left Tilted	0.057	0.039	0.10

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN 1g SAR (W/kg)	4 5GHz WLAN 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)
GSM	GSM850_Ant8	Right Cheek	0.246	0.427	0.219	0.67	0.47
		Right Tilted	0.105	0.364	0.309	0.47	0.41
		Left Cheek	0.263	0.207	0.305	0.47	0.57
		Left Tilted	0.106	0.199	0.326	0.31	0.43
	GSM1900_Ant1	Right Cheek	0.055	0.427	0.219	0.48	0.27
		Right Tilted	0.043	0.364	0.309	0.41	0.35
		Left Cheek	0.051	0.207	0.305	0.26	0.36
		Left Tilted	0.048	0.199	0.326	0.25	0.37
CDMA	CDMA BC0_Ant8	Right Cheek	0.208	0.427	0.219	0.64	0.43
		Right Tilted	0.071	0.364	0.309	0.44	0.38
		Left Cheek	0.189	0.207	0.305	0.40	0.49
		Left Tilted	0.072	0.199	0.326	0.27	0.40
	CDMA BC10_Ant8	Right Cheek	0.137	0.427	0.219	0.56	0.36
		Right Tilted	0.063	0.364	0.309	0.43	0.37
		Left Cheek	0.123	0.207	0.305	0.33	0.43
		Left Tilted	0.088	0.199	0.326	0.29	0.41
	CDMA BC1_Ant1	Right Cheek	0.081	0.427	0.219	0.51	0.30
		Right Tilted	0.055	0.364	0.309	0.42	0.36
		Left Cheek	0.110	0.207	0.305	0.32	0.42
		Left Tilted	0.084	0.199	0.326	0.28	0.41
WCDMA	WCDMA V_Ant8	Right Cheek	0.231	0.427	0.219	0.66	0.45
		Right Tilted	0.126	0.364	0.309	0.49	0.44
		Left Cheek	0.213	0.207	0.305	0.42	0.52
		Left Tilted	0.095	0.199	0.326	0.29	0.42
	WCDMA IV_Ant1	Right Cheek	0.124	0.427	0.219	0.55	0.34
		Right Tilted	0.110	0.364	0.309	0.47	0.42
		Left Cheek	0.120	0.207	0.305	0.33	0.43
		Left Tilted	0.088	0.199	0.326	0.29	0.41
	WCDMA II_Ant1	Right Cheek	0.107	0.427	0.219	0.53	0.33
		Right Tilted	0.071	0.364	0.309	0.44	0.38
		Left Cheek	0.111	0.207	0.305	0.32	0.42
		Left Tilted	0.101	0.199	0.326	0.30	0.43
LTE	LTE Band 71_Ant8	Right Cheek	0.082	0.427	0.219	0.51	0.30
		Right Tilted		0.364	0.309	0.36	0.31
		Left Cheek	0.095	0.207	0.305	0.30	0.40
		Left Tilted		0.199	0.326	0.20	0.33
	LTE Band 12_Ant8	Right Cheek	0.101	0.427	0.219	0.53	0.32
		Right Tilted	0.039	0.364	0.309	0.40	0.35
		Left Cheek	0.102	0.207	0.305	0.31	0.41
		Left Tilted	0.039	0.199	0.326	0.24	0.37
	LTE Band 13_Ant8	Right Cheek	0.197	0.427	0.219	0.62	0.42
		Right Tilted	0.091	0.364	0.309	0.46	0.40
		Left Cheek	0.202	0.207	0.305	0.41	0.51
		Left Tilted	0.091	0.199	0.326	0.29	0.42
	LTE Band 14_Ant8	Right Cheek	0.217	0.427	0.219	0.64	0.44
		Right Tilted	0.091	0.364	0.309	0.46	0.40
		Left Cheek	0.207	0.207	0.305	0.41	0.51
		Left Tilted	0.095	0.199	0.326	0.29	0.42
	LTE Band 26_Ant8	Right Cheek	0.090	0.427	0.219	0.52	0.31
		Right Tilted		0.364	0.309	0.36	0.31
		Left Cheek	0.118	0.207	0.305	0.33	0.42

		Left Tilted	0.078	0.199	0.326	0.28	0.40
	LTE Band 66_Ant1	Right Cheek	0.126	0.427	0.219	0.55	0.35
		Right Tilted	0.078	0.364	0.309	0.44	0.39
		Left Cheek	0.088	0.207	0.305	0.30	0.39
		Left Tilted	0.073	0.199	0.326	0.27	0.40
	LTE Band 25_Ant1	Right Cheek	0.093	0.427	0.219	0.52	0.31
		Right Tilted	0.086	0.364	0.309	0.45	0.40
		Left Cheek	0.129	0.207	0.305	0.34	0.43
		Left Tilted	0.090	0.199	0.326	0.29	0.42
	LTE Band 30_Ant1	Right Cheek	0.044	0.427	0.219	0.47	0.26
		Right Tilted	0.028	0.364	0.309	0.39	0.34
		Left Cheek	0.063	0.207	0.305	0.27	0.37
		Left Tilted	0.044	0.199	0.326	0.24	0.37
	LTE Band 7_Ant1	Right Cheek	0.069	0.427	0.219	0.50	0.29
		Right Tilted	0.062	0.364	0.309	0.43	0.37
		Left Cheek	0.088	0.207	0.305	0.30	0.39
		Left Tilted	0.043	0.199	0.326	0.24	0.37
	LTE Band 41_Ant1	Right Cheek	0.031	0.427	0.219	0.46	0.25
		Right Tilted	0.038	0.364	0.309	0.40	0.35
		Left Cheek	0.044	0.207	0.305	0.25	0.35
		Left Tilted	0.023	0.199	0.326	0.22	0.35
	LTE Band 41_HPUE_Ant 1	Right Cheek	0.043	0.427	0.219	0.47	0.26
		Right Tilted	0.056	0.364	0.309	0.42	0.37
		Left Cheek	0.060	0.207	0.305	0.27	0.37
		Left Tilted	0.033	0.199	0.326	0.23	0.36
NR	N71_Ant 8	Right Cheek	0.052	0.427	0.219	0.48	0.27
		Right Tilted	0.020	0.364	0.309	0.38	0.33
		Left Cheek	0.069	0.207	0.305	0.28	0.37
		Left Tilted	0.020	0.199	0.326	0.22	0.35
	N26_Ant 8	Right Cheek	0.110	0.427	0.219	0.54	0.33
		Right Tilted	0.038	0.364	0.309	0.40	0.35
		Left Cheek	0.085	0.207	0.305	0.29	0.39
		Left Tilted	0.075	0.199	0.326	0.27	0.40
	N66_Ant 1	Right Cheek	0.114	0.427	0.219	0.54	0.33
		Right Tilted	0.087	0.364	0.309	0.45	0.40
		Left Cheek	0.102	0.207	0.305	0.31	0.41
		Left Tilted	0.095	0.199	0.326	0.29	0.42
	N25_Ant 1	Right Cheek	0.067	0.427	0.219	0.49	0.29
		Right Tilted	0.044	0.364	0.309	0.41	0.35
		Left Cheek	0.071	0.207	0.305	0.28	0.38
		Left Tilted	0.064	0.199	0.326	0.26	0.39
	N30_Ant 1	Right Cheek	0.034	0.427	0.219	0.46	0.25
		Right Tilted	0.018	0.364	0.309	0.38	0.33
		Left Cheek	0.046	0.207	0.305	0.25	0.35
		Left Tilted	0.033	0.199	0.326	0.23	0.36
	N41_Ant 1	Right Cheek	0.045	0.427	0.219	0.47	0.26
		Right Tilted	0.054	0.364	0.309	0.42	0.36
		Left Cheek	0.064	0.207	0.305	0.27	0.37
		Left Tilted	0.031	0.199	0.326	0.23	0.36
	N41 HPUE_Ant 1	Right Cheek	0.078	0.427	0.219	0.51	0.30
		Right Tilted	0.065	0.364	0.309	0.43	0.37
		Left Cheek	0.088	0.207	0.305	0.30	0.39
		Left Tilted	0.057	0.199	0.326	0.26	0.38

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	6 Bluetooth 1g SAR (W/kg)	1+6 Summed 1g SAR (W/kg)
LTE	LTE Band 71_Ant2	Right Cheek	0.791	0.059	0.85
		Right Tilted	0.555	0.056	0.61
		Left Cheek	0.966	0.034	1.00
		Left Tilted	0.761	0.039	0.80
	LTE Band 12_Ant2	Right Cheek	0.540	0.059	0.60
		Right Tilted	0.434	0.056	0.49
		Left Cheek	1.015	0.034	1.05
		Left Tilted	0.577	0.039	0.62
	LTE Band 13_Ant2	Right Cheek	0.755	0.059	0.81
		Right Tilted	0.702	0.056	0.76
		Left Cheek	0.954	0.034	0.99
		Left Tilted	0.745	0.039	0.78
	LTE Band 14_Ant2	Right Cheek	0.995	0.059	1.05
		Right Tilted	0.877	0.056	0.93
		Left Cheek	1.142	0.034	1.18
		Left Tilted	1.110	0.039	1.15
	LTE Band 26_Ant2	Right Cheek	1.028	0.059	1.09
		Right Tilted	0.970	0.056	1.03
		Left Cheek	1.189	0.034	1.22
		Left Tilted	1.051	0.039	1.09
	LTE Band 66_Ant2	Right Cheek	0.377	0.059	0.44
		Right Tilted	0.445	0.056	0.50
		Left Cheek	1.184	0.034	1.22
		Left Tilted	0.949	0.039	0.99
	LTE Band 25_Ant2	Right Cheek	0.422	0.059	0.48
		Right Tilted	0.514	0.056	0.57
		Left Cheek	1.174	0.034	1.21
		Left Tilted	0.905	0.039	0.94
	LTE Band 30_Ant2	Right Cheek	0.368	0.059	0.43
		Right Tilted	0.421	0.056	0.48
		Left Cheek	0.897	0.034	0.93
		Left Tilted	1.176	0.039	1.22
	LTE Band 48_Ant4	Right Cheek	0.434	0.059	0.49
		Right Tilted	0.269	0.056	0.33
		Left Cheek	0.279	0.034	0.31
		Left Tilted	0.244	0.039	0.28
NR	N71_Ant 2	Right Cheek	0.757	0.059	0.82
		Right Tilted	0.673	0.056	0.73
		Left Cheek	0.992	0.034	1.03
		Left Tilted	0.961	0.039	1.00
	N12_Ant 2	Right Cheek	0.747	0.059	0.81
		Right Tilted	0.612	0.056	0.67
		Left Cheek	1.163	0.034	1.20
		Left Tilted	0.998	0.039	1.04
	N26_Ant 2	Right Cheek	0.926	0.059	0.99
		Right Tilted	0.952	0.056	1.01
		Left Cheek	1.019	0.034	1.05
		Left Tilted	0.999	0.039	1.04
	N66_Ant 2	Right Cheek	0.433	0.059	0.49
		Right Tilted	0.507	0.056	0.56
		Left Cheek	0.752	0.034	0.79

		Left Tilted	1.186	0.039	1.23
	N25_Ant 2	Right Cheek	0.457	0.059	0.52
		Right Tilted	0.571	0.056	0.63
		Left Cheek	1.034	0.034	1.07
		Left Tilted	1.151	0.039	1.19
	N30_Ant 2	Right Cheek	0.459	0.059	0.52
		Right Tilted	0.519	0.056	0.58
		Left Cheek	1.080	0.034	1.11
		Left Tilted	1.145	0.039	1.18
	N77_Ant 4	Right Cheek	0.835	0.059	0.89
		Right Tilted	0.748	0.056	0.80
		Left Cheek	0.595	0.034	0.63
		Left Tilted	0.618	0.039	0.66
	N78_Ant 4	Right Cheek	0.844	0.059	0.90
		Right Tilted	0.797	0.056	0.85
		Left Cheek	0.559	0.034	0.59
		Left Tilted	0.585	0.039	0.62

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN 1g SAR (W/kg)	4 5GHz WLAN 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)
LTE	LTE Band 71_Ant2	Right Cheek	0.515	0.427	0.219	0.94	0.73
		Right Tilted	0.428	0.364	0.309	0.79	0.74
		Left Cheek	0.763	0.207	0.305	0.97	1.07
		Left Tilted	0.600	0.199	0.326	0.80	0.93
	LTE Band 12_Ant2	Right Cheek	0.511	0.427	0.219	0.94	0.73
		Right Tilted	0.412	0.364	0.309	0.78	0.72
		Left Cheek	0.672	0.207	0.305	0.88	0.98
		Left Tilted	0.527	0.199	0.326	0.73	0.85
	LTE Band 13_Ant2	Right Cheek	0.635	0.427	0.219	1.06	0.85
		Right Tilted	0.564	0.364	0.309	0.93	0.87
		Left Cheek	0.801	0.207	0.305	1.01	1.11
		Left Tilted	0.630	0.199	0.326	0.83	0.96
	LTE Band 14_Ant2	Right Cheek	0.812	0.427	0.219	1.24	1.03
		Right Tilted	0.726	0.364	0.309	1.09	1.04
		Left Cheek	0.914	0.207	0.305	1.12	1.22
		Left Tilted	0.897	0.199	0.326	1.10	1.22
	LTE Band 26_Ant2	Right Cheek	0.560	0.427	0.219	0.99	0.78
		Right Tilted	0.500	0.364	0.309	0.86	0.81
		Left Cheek	0.853	0.207	0.305	1.06	1.16
		Left Tilted	0.740	0.199	0.326	0.94	1.07
	LTE Band 66_Ant2	Right Cheek	0.272	0.427	0.219	0.70	0.49
		Right Tilted	0.329	0.364	0.309	0.69	0.64
		Left Cheek	0.773	0.207	0.305	0.98	1.08
		Left Tilted	0.638	0.199	0.326	0.84	0.96
	LTE Band 25_Ant2	Right Cheek	0.238	0.427	0.219	0.67	0.46
		Right Tilted	0.301	0.364	0.309	0.67	0.61
		Left Cheek	0.985	0.207	0.305	1.19	1.29
		Left Tilted	0.460	0.199	0.326	0.66	0.79
	LTE Band 30_Ant2	Right Cheek	0.249	0.427	0.219	0.68	0.47
		Right Tilted	0.287	0.364	0.309	0.65	0.60
		Left Cheek	0.542	0.207	0.305	0.75	0.85
		Left Tilted	0.866	0.199	0.326	1.07	1.19
	LTE Band	Right Cheek	0.434	0.427	0.219	0.86	0.65

	48_Ant4	Right Tilted	0.269	0.364	0.309	0.63	0.58
		Left Cheek	0.279	0.207	0.305	0.49	0.58
		Left Tilted	0.244	0.199	0.326	0.44	0.57
NR	N71_Ant 2	Right Cheek	0.757	0.427	0.219	1.18	0.98
		Right Tilted	0.673	0.364	0.309	1.04	0.98
		Left Cheek	0.992	0.207	0.305	1.20	1.30
		Left Tilted	0.961	0.199	0.326	1.16	1.29
	N12_Ant 2	Right Cheek	0.636	0.427	0.219	1.06	0.86
		Right Tilted	0.535	0.364	0.309	0.90	0.84
		Left Cheek	0.833	0.207	0.305	1.04	1.14
		Left Tilted	0.651	0.199	0.326	0.85	0.98
	N26_Ant 2	Right Cheek	0.734	0.427	0.219	1.16	0.95
		Right Tilted	0.685	0.364	0.309	1.05	0.99
		Left Cheek	0.979	0.207	0.305	1.19	1.28
		Left Tilted	0.681	0.199	0.326	0.88	1.01
	N66_Ant 2	Right Cheek	0.313	0.427	0.219	0.74	0.53
		Right Tilted	0.382	0.364	0.309	0.75	0.69
		Left Cheek	0.733	0.207	0.305	0.94	1.04
		Left Tilted	0.988	0.199	0.326	1.19	1.31
	N25_Ant 2	Right Cheek	0.327	0.427	0.219	0.75	0.55
		Right Tilted	0.413	0.364	0.309	0.78	0.72
		Left Cheek	0.700	0.207	0.305	0.91	1.01
		Left Tilted	0.788	0.199	0.326	0.99	1.11
	N30_Ant 2	Right Cheek	0.435	0.427	0.219	0.86	0.65
		Right Tilted	0.510	0.364	0.309	0.87	0.82
		Left Cheek	0.984	0.207	0.305	1.19	1.29
		Left Tilted	0.973	0.199	0.326	1.17	1.30
	N77_Ant 4	Right Cheek	0.835	0.427	0.219	1.26	1.05
		Right Tilted	0.748	0.364	0.309	1.11	1.06
		Left Cheek	0.595	0.207	0.305	0.80	0.90
		Left Tilted	0.618	0.199	0.326	0.82	0.94
	N78_Ant 4	Right Cheek	0.844	0.427	0.219	1.27	1.06
		Right Tilted	0.797	0.364	0.309	1.16	1.11
		Left Cheek	0.559	0.207	0.305	0.77	0.86
		Left Tilted	0.585	0.199	0.326	0.78	0.91

17.3 Hotspot Exposure Conditions

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	6 Bluetooth 1g SAR (W/kg)	1+6 Summed 1g SAR (W/kg)
GSM	GSM850_Ant8	Front	0.368	0.022	0.39
		Back	1.180	0.050	1.23
		Left side	0.281	0.013	0.29
		Right side	0.125	0.006	0.13
		Top side		0.029	0.03
		Bottom side	0.560		0.56
	GSM1900_Ant1	Front	0.465	0.022	0.49
		Back	0.910	0.050	0.96
		Left side	0.052	0.013	0.07
		Right side	0.058	0.006	0.06
		Top side		0.029	0.03
		Bottom side	1.180		1.18
CDMA	CDMA BC0_Ant8	Front	0.225	0.022	0.25
		Back	1.057	0.050	1.11
		Left side	0.177	0.013	0.19
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	0.392		0.39
	CDMA BC10_Ant8	Front	0.252	0.022	0.27
		Back	1.187	0.050	**1.24**
		Left side	0.207	0.013	0.22
		Right side	0.056	0.006	0.06
		Top side		0.029	0.03
		Bottom side	0.477		0.48
	CDMA BC1_Ant1	Front	0.432	0.022	0.45
		Back	0.675	0.050	0.73
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	1.128		1.13
WCDMA	WCDMA V_Ant8	Front	0.227	0.022	0.25
		Back	0.942	0.050	0.99
		Left side	0.180	0.013	0.19
		Right side	0.105	0.006	0.11
		Top side		0.029	0.03
		Bottom side	0.330		0.33
	WCDMA IV_Ant1	Front	0.352	0.022	0.37
		Back	0.563	0.050	0.61
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	0.992		0.99
	WCDMA II_Ant1	Front	0.377	0.022	0.40
		Back	0.534	0.050	0.58
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	1.045		1.05
LTE	LTE Band 71_Ant8	Front	0.220	0.022	0.24
		Back	0.792	0.050	0.84

		Left side	0.360	0.013	0.37
		Right side	0.134	0.006	0.14
		Top side		0.029	0.03
		Bottom side	0.397		0.40
	LTE Band 12_Ant8	Front	0.278	0.022	0.30
		Back	0.928	0.050	0.98
		Left side	0.470	0.013	0.48
		Right side	0.114	0.006	0.12
		Top side		0.029	0.03
		Bottom side	0.478		0.48
	LTE Band 13_Ant8	Front	0.417	0.022	0.44
		Back	1.063	0.050	1.11
		Left side	0.291	0.013	0.30
		Right side	0.149	0.006	0.16
		Top side		0.029	0.03
		Bottom side	0.843		0.84
	LTE Band 14_Ant8	Front	0.335	0.022	0.36
		Back	1.145	0.050	1.20
		Left side	0.286	0.013	0.30
		Right side	0.140	0.006	0.15
		Top side		0.029	0.03
		Bottom side	0.464		0.46
	LTE Band 26_Ant8	Front	0.266	0.022	0.29
		Back	1.186	0.050	1.24
		Left side	0.258	0.013	0.27
		Right side	0.083	0.006	0.09
		Top side		0.029	0.03
		Bottom side	0.589		0.59
	LTE Band 66_Ant1	Front	0.462	0.022	0.48
		Back	0.679	0.050	0.73
		Left side		0.013	0.01
		Right side	0.057	0.006	0.06
		Top side		0.029	0.03
		Bottom side	1.172		1.17
	LTE Band 25_Ant1	Front	0.449	0.022	0.47
		Back	0.644	0.050	0.69
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	1.035		1.04
	LTE Band 30_Ant1	Front	0.206	0.022	0.23
		Back	0.636	0.050	0.69
		Left side		0.013	0.01
		Right side	0.051	0.006	0.06
		Top side		0.029	0.03
		Bottom side	1.185		1.19
	LTE Band 7_Ant1	Front	0.375	0.022	0.40
		Back	0.633	0.050	0.68
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	0.918		0.92
	LTE Band 41_Ant1	Front	0.460	0.022	0.48
		Back	0.743	0.050	0.79
		Left side		0.013	0.01
		Right side		0.006	0.01

		Top side		0.029	0.03
		Bottom side	1.179		1.18
	LTE Band 41_HPUE_Ant 1	Front	0.413	0.022	0.44
		Back	0.585	0.050	0.64
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	1.174		1.17
NR	N71_Ant 8	Front	0.291	0.022	0.31
		Back	0.837	0.050	0.89
		Left side	0.510	0.013	0.52
		Right side	0.166	0.006	0.17
		Top side		0.029	0.03
		Bottom side	0.455		0.46
	N26_Ant 8	Front	0.415	0.022	0.44
		Back	1.019	0.050	1.07
		Left side	0.177	0.013	0.19
		Right side	0.068	0.006	0.07
		Top side		0.029	0.03
		Bottom side	0.493		0.49
	N66_Ant 1	Front	0.560	0.022	0.58
		Back	0.789	0.050	0.84
		Left side		0.013	0.01
		Right side	0.056	0.006	0.06
		Top side		0.029	0.03
		Bottom side	1.182		1.18
	N25_Ant 1	Front	0.478	0.022	0.50
		Back	0.702	0.050	0.75
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	1.131		1.13
	N30_Ant 1	Front	0.407	0.022	0.43
		Back	0.697	0.050	0.75
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	0.738		0.74
	N41_Ant 1	Front	0.419	0.022	0.44
		Back	0.571	0.050	0.62
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	1.183		1.18
	N41 HPUE_Ant 1	Front	0.419	0.022	0.44
		Back	0.571	0.050	0.62
		Left side	1.183	0.013	1.20
		Right side		0.006	0.01
		Top side		0.029	0.03
		Bottom side	1.183		1.18

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN 1g SAR (W/kg)	4 5GHz WLAN 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	Case No	SPLSR	1+4 Summed 1g SAR (W/kg)	Case No	SPLSR
GSM	GSM850_Ant8	Front	0.368	0.274	0.008	0.64			0.38		
		Back	1.180	0.585	0.747	**1.77**	**#01**	**0.02**	**1.93**	**#08**	**0.02**
		Left side	0.281	0.169	0.021	0.45			0.30		
		Right side	0.125		0.004	0.13			0.13		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.560			0.56			0.56		
	GSM1900_Ant1	Front	0.465	0.274	0.008	0.74			0.47		
		Back	0.910	0.585	0.747	1.50			**1.66**	**#09**	**0.01**
		Left side	0.052	0.169	0.021	0.22			0.07		
		Right side	0.058		0.004	0.06			0.06		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.180			1.18			1.18		
CDMA	CDMA BC0_Ant8	Front	0.225	0.274	0.008	0.50			0.23		
		Back	1.057	0.585	0.747	**1.64**	**#02**	**0.01**	**1.80**	**#10**	**0.02**
		Left side	0.177	0.169	0.021	0.35			0.20		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.392			0.39			0.39		
	CDMA BC10_Ant8	Front	0.252	0.274	0.008	0.53			0.26		
		Back	1.187	0.585	0.747	**1.77**	**#03**	**0.02**	**1.93**	**#11**	**0.02**
		Left side	0.207	0.169	0.021	0.38			0.23		
		Right side	0.056		0.004	0.06			0.06		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.477			0.48			0.48		
	CDMA BC1_Ant1	Front	0.432	0.274	0.008	0.71			0.44		
		Back	0.675	0.585	0.747	1.26			1.42		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.128			1.13			1.13		
WCDMA	WCDMA V_Ant8	Front	0.227	0.274	0.008	0.50			0.24		
		Back	0.942	0.585	0.747	1.53			**1.69**	**#12**	**0.01**
		Left side	0.180	0.169	0.021	0.35			0.20		
		Right side	0.105		0.004	0.11			0.11		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.330			0.33			0.33		
	WCDMA IV_Ant1	Front	0.352	0.274	0.008	0.63			0.36		
		Back	0.563	0.585	0.747	1.15			1.31		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side				0.00			0.00		
	WCDMA II_Ant1	Front	0.377	0.274	0.008	0.65			0.39		
		Back	0.534	0.585	0.747	1.12			1.28		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side				0.00			0.00		
LTE	LTE Band 71_Ant8	Front	0.220	0.274	0.008	0.49			0.23		
		Back	0.792	0.585	0.747	1.38			1.54		
		Left side	0.360	0.169	0.021	0.53			0.38		

		Right side	0.134		0.004	0.13			0.14		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.397			0.40			0.40		
	LTE Band 12_Ant8	Front	0.278	0.274	0.008	0.55			0.29		
		Back	0.928	0.585	0.747	1.51			**1.68**	**#13**	**0.01**
		Left side	0.470	0.169	0.021	0.64			0.49		
		Right side	0.114		0.004	0.11			0.12		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.478			0.48			0.48		
	LTE Band 13_Ant8	Front	0.417	0.274	0.008	0.69			0.43		
		Back	1.063	0.585	0.747	**1.65**	**#04**	**0.01**	**1.81**	**#14**	**0.02**
		Left side	0.291	0.169	0.021	0.46			0.31		
		Right side	0.149		0.004	0.15			0.15		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.843			0.84			0.84		
	LTE Band 14_Ant8	Front	0.335	0.274	0.008	0.61			0.34		
		Back	1.145	0.585	0.747	**1.73**	**#05**	**0.02**	**1.89**	**#15**	**0.02**
		Left side	0.286	0.169	0.021	0.46			0.31		
		Right side	0.140		0.004	0.14			0.14		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.464			0.46			0.46		
	LTE Band 26_Ant8	Front	0.266	0.274	0.008	0.54			0.27		
		Back	1.186	0.585	0.747	**1.77**	**#06**	**0.02**	**1.93**	**#16**	**0.02**
		Left side	0.258	0.169	0.021	0.43			0.28		
		Right side	0.083		0.004	0.08			0.09		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.589			0.59			0.59		
	LTE Band 66_Ant1	Front	0.462	0.274	0.008	0.74			0.47		
		Back	0.679	0.585	0.747	1.26			1.43		
		Left side		0.169	0.021	0.17			0.02		
		Right side	0.057		0.004	0.06			0.06		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.172			1.17			1.17		
	LTE Band 25_Ant1	Front	0.449	0.274	0.008	0.72			0.46		
		Back	0.644	0.585	0.747	1.23			1.39		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.035			1.04			1.04		
	LTE Band 30_Ant1	Front	0.206	0.274	0.008	0.48			0.21		
		Back	0.636	0.585	0.747	1.22			1.38		
		Left side		0.169	0.021	0.17			0.02		
		Right side	0.051		0.004	0.05			0.06		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.185			1.19			1.19		
	LTE Band 7_Ant1	Front	0.375	0.274	0.008	0.65			0.38		
		Back	0.633	0.585	0.747	1.22			1.38		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.918			0.92			0.92		
	LTE Band 41_Ant1	Front	0.460	0.274	0.008	0.73			0.47		
		Back	0.743	0.585	0.747	1.33			1.49		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		

		Bottom side	1.179			1.18			1.18		
	LTE Band 41_HPUE_Ant 1	Front	0.413	0.274	0.008	0.69			0.42		
		Back	0.585	0.585	0.747	1.17			1.33		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.174			1.17			1.17		
NR	N71_Ant 8	Front	0.291	0.274	0.008	0.57			0.30		
		Back	0.837	0.585	0.747	1.42			**1.58**		
		Left side	0.510	0.169	0.021	0.68			0.53		
		Right side	0.166		0.004	0.17			0.17		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.455			0.46			0.46		
	N26_Ant 8	Front	0.415	0.274	0.008	0.69			0.42		
		Back	1.019	0.585	0.747	**1.60**	**#07**	**0.01**	**1.77**	**#17**	**0.02**
		Left side	0.177	0.169	0.021	0.35			0.20		
		Right side	0.068		0.004	0.07			0.07		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.493			0.49			0.49		
	N66_Ant 1	Front	0.560	0.274	0.008	0.83			0.57		
		Back	0.789	0.585	0.747	1.37			1.54		
		Left side		0.169	0.021	0.17			0.02		
		Right side	0.056		0.004	0.06			0.06		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.182			1.18			1.18		
	N25_Ant 1	Front	0.478	0.274	0.008	0.75			0.49		
		Back	0.702	0.585	0.747	1.29			1.45		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.131			1.13			1.13		
	N30_Ant 1	Front	0.407	0.274	0.008	0.68			0.42		
		Back	0.697	0.585	0.747	1.28			1.44		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	0.738			0.74			0.74		
	N41_Ant 1	Front	0.419	0.274	0.008	0.69			0.43		
		Back	0.571	0.585	0.747	1.16			1.32		
		Left side		0.169	0.021	0.17			0.02		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.183			1.18			1.18		
	N41 HPUE_Ant 1	Front	0.419	0.274	0.008	0.69			0.43		
		Back	0.571	0.585	0.747	1.16			1.32		
		Left side	1.183	0.169	0.021	1.35			1.20		
		Right side			0.004	0.00			0.00		
		Top side		0.412	0.071	0.41			0.07		
		Bottom side	1.183			1.18			1.18		

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	6 Bluetooth 1g SAR (W/kg)	1+6 Summed 1g SAR (W/kg)
LTE	LTE Band 71_Ant2	Front	0.517	0.022	0.54
		Back	0.637	0.050	0.69
		Left side	0.170	0.013	0.18
		Right side	0.632	0.006	0.64
		Top side	0.684	0.029	0.71
		Bottom side			0.00
	LTE Band 12_Ant2	Front	0.324	0.022	0.35
		Back	0.563	0.050	0.61
		Left side	0.182	0.013	0.20
		Right side	0.430	0.006	0.44
		Top side	0.674	0.029	0.70
		Bottom side			0.00
	LTE Band 13_Ant2	Front	0.406	0.022	0.43
		Back	0.536	0.050	0.59
		Left side	0.228	0.013	0.24
		Right side	0.448	0.006	0.45
		Top side	0.588	0.029	0.62
		Bottom side			0.00
	LTE Band 14_Ant2	Front	0.511	0.022	0.53
		Back	0.603	0.050	0.65
		Left side	0.650	0.013	0.66
		Right side	0.409	0.006	0.42
		Top side	0.749	0.029	0.78
		Bottom side			0.00
	LTE Band 26_Ant2	Front	0.530	0.022	0.55
		Back	0.602	0.050	0.65
		Left side	0.102	0.013	0.12
		Right side	0.195	0.006	0.20
		Top side	0.638	0.029	0.67
		Bottom side			0.00
	LTE Band 66_Ant2	Front	0.300	0.022	0.32
		Back	0.485	0.050	0.54
		Left side		0.013	0.01
		Right side	0.059	0.006	0.07
		Top side	0.443	0.029	0.47
		Bottom side			0.00
	LTE Band 25_Ant2	Front	0.296	0.022	0.32
		Back	0.456	0.050	0.51
		Left side		0.013	0.01
		Right side	0.059	0.006	0.07
		Top side	0.504	0.029	0.53
		Bottom side			0.00
	LTE Band 30_Ant2	Front	0.388	0.022	0.41
		Back	0.440	0.050	0.49
		Left side		0.013	0.01
		Right side		0.006	0.01
		Top side	0.504	0.029	0.53
		Bottom side			0.00
	LTE Band 48_Ant4	Front	0.025	0.022	0.05
		Back	0.504	0.050	0.55
		Left side	0.090	0.013	0.10

		Right side	0.033	0.006	0.04
		Top side	0.079	0.029	0.11
		Bottom side			0.00
NR	N71_Ant 2	Front	0.363	0.022	0.39
		Back	0.532	0.050	0.58
		Left side	0.182	0.013	0.20
		Right side	0.504	0.006	0.51
		Top side	0.563	0.029	0.59
		Bottom side			0.00
	N12_Ant 2	Front	0.573	0.022	0.60
		Back	0.594	0.050	0.64
		Left side	0.216	0.013	0.23
		Right side	0.531	0.006	0.54
		Top side	0.637	0.029	0.67
		Bottom side			0.00
	N26_Ant 2	Front	0.376	0.022	0.40
		Back	0.453	0.050	0.50
		Left side	0.097	0.013	0.11
		Right side	0.233	0.006	0.24
		Top side	0.540	0.029	0.57
		Bottom side			0.00
	N66_Ant 2	Front	0.465	0.022	0.49
		Back	0.633	0.050	0.68
		Left side		0.013	0.01
		Right side	0.075	0.006	0.08
		Top side	0.565	0.029	0.59
		Bottom side			0.00
	N25_Ant 2	Front	0.417	0.022	0.44
		Back	0.572	0.050	0.62
		Left side		0.013	0.01
		Right side	0.062	0.006	0.07
		Top side	0.638	0.029	0.67
		Bottom side			0.00
	N30_Ant 2	Front	0.347	0.022	0.37
		Back	0.545	0.050	0.60
		Left side	0.038	0.013	0.05
		Right side	0.050	0.006	0.06
		Top side	0.688	0.029	0.72
		Bottom side			0.00
	N77_Ant 4	Front		0.022	0.02
		Back	0.628	0.050	0.68
		Left side	0.069	0.013	0.08
		Right side		0.006	0.01
		Top side	0.061	0.029	0.09
		Bottom side			0.00
	N78_Ant 4	Front	0.011	0.022	0.03
		Back	0.639	0.050	0.69
		Left side	0.054	0.013	0.07
		Right side	0.005	0.006	0.01
		Top side	0.055	0.029	0.08
		Bottom side			0.00

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN 1g SAR (W/kg)	4 5GHz WLAN 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)
LTE	LTE Band 71_Ant2	Front	0.517	0.274	0.008	0.79	0.53
		Back	0.637	0.585	0.747	1.22	1.38
		Left side	0.170	0.169	0.021	0.34	0.19
		Right side	0.632		0.004	0.63	0.64
		Top side	0.684	0.412	0.071	1.10	0.76
		Bottom side				0.00	0.00
	LTE Band 12_Ant2	Front	0.324	0.274	0.008	0.60	0.33
		Back	0.563	0.585	0.747	1.15	1.31
		Left side	0.182	0.169	0.021	0.35	0.20
		Right side	0.430		0.004	0.43	0.43
		Top side	0.674	0.412	0.071	1.09	0.75
		Bottom side				0.00	0.00
	LTE Band 13_Ant2	Front	0.406	0.274	0.008	0.68	0.41
		Back	0.536	0.585	0.747	1.12	1.28
		Left side	0.228	0.169	0.021	0.40	0.25
		Right side	0.448		0.004	0.45	0.45
		Top side	0.588	0.412	0.071	1.00	0.66
		Bottom side				0.00	0.00
	LTE Band 14_Ant2	Front	0.511	0.274	0.008	0.79	0.52
		Back	0.603	0.585	0.747	1.19	1.35
		Left side	0.650	0.169	0.021	0.82	0.67
		Right side	0.409		0.004	0.41	0.41
		Top side	0.749	0.412	0.071	1.16	0.82
		Bottom side				0.00	0.00
	LTE Band 26_Ant2	Front	0.530	0.274	0.008	0.80	0.54
		Back	0.602	0.585	0.747	1.19	1.35
		Left side	0.102	0.169	0.021	0.27	0.12
		Right side	0.195		0.004	0.20	0.20
		Top side	0.638	0.412	0.071	1.05	0.71
		Bottom side				0.00	0.00
	LTE Band 66_Ant2	Front	0.300	0.274	0.008	0.57	0.31
		Back	0.485	0.585	0.747	1.07	1.23
		Left side		0.169	0.021	0.17	0.02
		Right side	0.059		0.004	0.06	0.06
		Top side	0.443	0.412	0.071	0.86	0.51
		Bottom side				0.00	0.00
	LTE Band 25_Ant2	Front	0.296	0.274	0.008	0.57	0.30
		Back	0.456	0.585	0.747	1.04	1.20
		Left side		0.169	0.021	0.17	0.02
		Right side	0.059		0.004	0.06	0.06
		Top side	0.504	0.412	0.071	0.92	0.58
		Bottom side				0.00	0.00
	LTE Band 30_Ant2	Front	0.388	0.274	0.008	0.66	0.40
		Back	0.440	0.585	0.747	1.03	1.19
		Left side		0.169	0.021	0.17	0.02
		Right side			0.004	0.00	0.00
		Top side	0.504	0.412	0.071	0.92	0.58
		Bottom side				0.00	0.00
	LTE Band 48_Ant4	Front	0.025	0.274	0.008	0.30	0.03
		Back	0.504	0.585	0.747	1.09	1.25
		Left side	0.090	0.169	0.021	0.26	0.11

		Right side	0.033		0.004	0.03	0.04
		Top side	0.079	0.412	0.071	0.49	0.15
		Bottom side				0.00	0.00
NR	N71_Ant 2	Front	0.363	0.274	0.008	0.64	0.37
		Back	0.532	0.585	0.747	1.12	1.28
		Left side	0.182	0.169	0.021	0.35	0.20
		Right side	0.504		0.004	0.50	0.51
		Top side	0.563	0.412	0.071	0.98	0.63
		Bottom side				0.00	0.00
	N12_Ant 2	Front	0.573	0.274	0.008	0.85	0.58
		Back	0.594	0.585	0.747	1.18	1.34
		Left side	0.216	0.169	0.021	0.39	0.24
		Right side	0.531		0.004	0.53	0.54
		Top side	0.637	0.412	0.071	1.05	0.71
		Bottom side				0.00	0.00
	N26_Ant 2	Front	0.376	0.274	0.008	0.65	0.38
		Back	0.453	0.585	0.747	1.04	1.20
		Left side	0.097	0.169	0.021	0.27	0.12
		Right side	0.233		0.004	0.23	0.24
		Top side	0.540	0.412	0.071	0.95	0.61
		Bottom side				0.00	0.00
	N66_Ant 2	Front	0.465	0.274	0.008	0.74	0.47
		Back	0.633	0.585	0.747	1.22	1.38
		Left side		0.169	0.021	0.17	0.02
		Right side	0.075		0.004	0.08	0.08
		Top side	0.565	0.412	0.071	0.98	0.64
		Bottom side				0.00	0.00
	N25_Ant 2	Front	0.417	0.274	0.008	0.69	0.43
		Back	0.572	0.585	0.747	1.16	1.32
		Left side		0.169	0.021	0.17	0.02
		Right side	0.062		0.004	0.06	0.07
		Top side	0.638	0.412	0.071	1.05	0.71
		Bottom side				0.00	0.00
	N30_Ant 2	Front	0.347	0.274	0.008	0.62	0.36
		Back	0.545	0.585	0.747	1.13	1.29
		Left side	0.038	0.169	0.021	0.21	0.06
		Right side	0.050		0.004	0.05	0.05
		Top side	0.688	0.412	0.071	1.10	0.76
		Bottom side				0.00	0.00
	N77_Ant 4	Front		0.274	0.008	0.27	0.01
		Back	0.628	0.585	0.747	1.21	1.38
		Left side	0.069	0.169	0.021	0.24	0.09
		Right side			0.004	0.00	0.00
		Top side	0.061	0.412	0.071	0.47	0.13
		Bottom side				0.00	0.00
	N78_Ant 4	Front	0.011	0.274	0.008	0.29	0.02
		Back	0.639	0.585	0.747	1.22	1.39
		Left side	0.054	0.169	0.021	0.22	0.08
		Right side	0.005		0.004	0.01	0.01
		Top side	0.055	0.412	0.071	0.47	0.13
		Bottom side				0.00	0.00

17.4 Body-Worn Accessory Exposure Conditions

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	6 Bluetooth 1g SAR (W/kg)	1+6 Summed 1g SAR (W/kg)
GSM	GSM850_Ant8	Front	0.368	0.022	0.39
		Back	1.180	0.050	1.23
	GSM1900_Ant1	Front	0.540	0.022	0.56
		Back	1.057	0.050	1.11
CDMA	CDMA BC0_Ant8	Front	0.267	0.022	0.29
		Back	1.136	0.050	1.19
	CDMA BC10_Ant8	Front	0.269	0.022	0.29
		Back	1.184	0.050	1.23
	CDMA BC1_Ant1	Front	0.643	0.022	0.67
		Back	1.161	0.050	1.21
WCDMA	WCDMA V_Ant8	Front	0.227	0.022	0.25
		Back	0.942	0.050	0.99
	WCDMA IV_Ant1	Front	0.505	0.022	0.53
		Back	1.018	0.050	1.07
	WCDMA II_Ant1	Front	0.567	0.022	0.59
		Back	1.106	0.050	1.16
LTE	LTE Band 71_Ant8	Front	0.220	0.022	0.24
		Back	0.792	0.050	0.84
	LTE Band 12_Ant8	Front	0.278	0.022	0.30
		Back	0.928	0.050	0.98
	LTE Band 13_Ant8	Front	0.417	0.022	0.44
		Back	1.063	0.050	1.11
	LTE Band 14_Ant8	Front	0.335	0.022	0.36
		Back	1.145	0.050	1.20
	LTE Band 26_Ant8	Front	0.266	0.022	0.29
		Back	1.186	0.050	1.24
	LTE Band 66_Ant1	Front	0.581	0.022	0.60
		Back	0.959	0.050	1.01
	LTE Band 25_Ant1	Front	0.610	0.022	0.63
		Back	1.184	0.050	1.23
	LTE Band 30_Ant1	Front	0.719	0.022	0.74
		Back	1.165	0.050	1.22
	LTE Band 7_Ant1	Front	0.610	0.022	0.63
		Back	1.086	0.050	1.14
	LTE Band 41_Ant1	Front	0.774	0.022	0.80
		Back	1.165	0.050	1.22
	LTE Band 41_HPUE_Ant 1	Front	0.570	0.022	0.59
		Back	0.874	0.050	0.92
NR	N71_Ant 8	Front	0.291	0.022	0.31
		Back	0.837	0.050	0.89
	N26_Ant 8	Front	0.415	0.022	0.44
		Back	1.019	0.050	1.07
	N66_Ant 1	Front	0.655	0.022	0.68
		Back	1.101	0.050	1.15
	N25_Ant 1	Front	0.696	0.022	0.72
		Back	1.185	0.050	1.24
	N30_Ant 1	Front	0.539	0.022	0.56
		Back	0.980	0.050	1.03
	N41_Ant 1	Front	0.639	0.022	0.66
		Back	1.148	0.050	1.20
	N41 HPUE_Ant 1	Front	0.639	0.022	0.66
		Back	1.148	0.050	1.20

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN 1g SAR (W/kg)	4 5GHz WLAN 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	Case No	SPLSR	1+4 Summed 1g SAR (W/kg)	Case No	SPLSR
GSM	GSM850_Ant8	Front	0.368	0.274	0.008	0.64			0.38		
		Back	1.180	0.585	0.747	**1.77**	**#01**	**0.02**	**1.93**	**#08**	**0.02**
	GSM1900_Ant1	Front	0.465	0.274	0.008	0.74			0.47		
		Back	0.910	0.585	0.747	1.50			**1.66**	**#09**	**0.01**
CDMA	CDMA BC0_Ant8	Front	0.241	0.274	0.008	0.52			0.25		
		Back	0.980	0.585	0.747	**1.57**			**1.73**	**#19**	**0.02**
	CDMA BC10_Ant8	Front	0.284	0.274	0.008	0.56			0.29		
		Back	1.135	0.585	0.747	**1.72**	**#18**	**0.02**	**1.88**	**#20**	**0.02**
	CDMA BC1_Ant1	Front	0.393	0.274	0.008	0.67			0.40		
		Back	0.624	0.585	0.747	1.21			1.37		
WCDMA	WCDMA V_Ant8	Front	0.227	0.274	0.008	0.50			0.24		
		Back	0.942	0.585	0.747	1.53			**1.69**	**#12**	**0.01**
	WCDMA IV_Ant1	Front	0.352	0.274	0.008	0.63			0.36		
		Back	0.563	0.585	0.747	1.15			1.31		
	WCDMA II_Ant1	Front	0.377	0.274	0.008	0.65			0.39		
		Back	0.534	0.585	0.747	1.12			1.28		
LTE	LTE Band 71_Ant8	Front	0.220	0.274	0.008	0.49			0.23		
		Back	0.792	0.585	0.747	1.38			1.54		
	LTE Band 12_Ant8	Front	0.278	0.274	0.008	0.55			0.29		
		Back	0.928	0.585	0.747	1.51			**1.68**	**#13**	**0.01**
	LTE Band 13_Ant8	Front	0.417	0.274	0.008	0.69			0.43		
		Back	1.063	0.585	0.747	**1.65**	**#04**	**0.01**	**1.81**	**#14**	**0.02**
	LTE Band 14_Ant8	Front	0.335	0.274	0.008	0.61			0.34		
		Back	1.145	0.585	0.747	**1.73**	**#05**	**0.02**	**1.89**	**#15**	**0.02**
	LTE Band 26_Ant8	Front	0.266	0.274	0.008	0.54			0.27		
		Back	1.186	0.585	0.747	**1.77**	**#06**	**0.02**	**1.93**	**#16**	**0.02**
	LTE Band 66_Ant1	Front	0.462	0.274	0.008	0.74			0.47		
		Back	0.679	0.585	0.747	1.26			1.43		
	LTE Band 25_Ant1	Front	0.449	0.274	0.008	0.72			0.46		
		Back	0.644	0.585	0.747	1.23			1.39		
	LTE Band 30_Ant1	Front	0.206	0.274	0.008	0.48			0.21		
		Back	0.636	0.585	0.747	1.22			1.38		
	LTE Band 7_Ant1	Front	0.335	0.274	0.008	0.61			0.34		
		Back	0.564	0.585	0.747	1.15			1.31		
	LTE Band 41_Ant1	Front	0.460	0.274	0.008	0.73			0.47		
		Back	0.771	0.585	0.747	1.36			1.52		
	LTE Band 41_HPUE_Ant 1	Front	0.411	0.274	0.008	0.69			0.42		
		Back	0.583	0.585	0.747	1.17			1.33		
NR	N71_Ant 8	Front	0.291	0.274	0.008	0.57			0.30		
		Back	0.837	0.585	0.747	1.42			1.58		
	N26_Ant 8	Front	0.415	0.274	0.008	0.69			0.42		
		Back	1.019	0.585	0.747	**1.60**	**#07**	**0.01**	**1.77**	**#17**	**0.02**
	N66_Ant 1	Front	0.560	0.274	0.008	0.83			0.57		
		Back	0.789	0.585	0.747	1.37			1.54		
	N25_Ant 1	Front	0.478	0.274	0.008	0.75			0.49		
		Back	0.702	0.585	0.747	1.29			1.45		
	N30_Ant 1	Front	0.407	0.274	0.008	0.68			0.42		
		Back	0.697	0.585	0.747	1.28			1.44		
	N41_Ant 1	Front	0.419	0.274	0.008	0.69			0.43		
		Back	0.571	0.585	0.747	1.16			1.32		
	N41 HPUE_Ant 1	Front	0.419	0.274	0.008	0.69			0.43		
		Back	0.571	0.585	0.747	1.16			1.32		

WWAN Band		Exposure Position	1	6	1+6 Summed 1g SAR (W/kg)
			WWAN	Bluetooth	
			1g SAR (W/kg)	1g SAR (W/kg)	
LTE	LTE Band 71_Ant2	Front	0.517	0.022	0.54
		Back	0.637	0.050	0.69
	LTE Band 12_Ant2	Front	0.723	0.022	0.75
		Back	0.852	0.050	0.90
	LTE Band 13_Ant2	Front	0.406	0.022	0.43
		Back	0.536	0.050	0.59
	LTE Band 14_Ant2	Front	0.584	0.022	0.61
		Back	0.881	0.050	0.93
	LTE Band 26_Ant2	Front	0.747	0.022	0.77
		Back	1.163	0.050	1.21
	LTE Band 66_Ant2	Front	0.579	0.022	0.60
		Back	1.033	0.050	1.08
	LTE Band 25_Ant2	Front	0.574	0.022	0.60
		Back	0.999	0.050	1.05
	LTE Band 30_Ant2	Front	0.591	0.022	0.61
		Back	1.005	0.050	1.06
	LTE Band 48_Ant4	Front	0.040	0.022	0.06
		Back	1.159	0.050	1.21
NR	N71_Ant 2	Front	0.363	0.022	0.39
		Back	0.532	0.050	0.58
	N12_Ant 2	Front	0.573	0.022	0.60
		Back	0.594	0.050	0.64
	N26_Ant 2	Front	0.760	0.022	0.78
		Back	0.799	0.050	0.85
	N66_Ant 2	Front	1.114	0.022	1.14
		Back	1.161	0.050	1.21
	N25_Ant 2	Front	1.009	0.022	1.03
		Back	1.188	0.050	1.24
	N30_Ant 2	Front	0.782	0.022	0.80
		Back	1.189	0.050	1.24
	N77_Ant 4	Front	0.023	0.022	0.05
		Back	1.112	0.050	1.16
	N78_Ant 4	Front	0.018	0.022	0.04
		Back	1.113	0.050	1.16

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN 1g SAR (W/kg)	4 5GHz WLAN 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)
LTE	LTE Band 71_Ant2	Front	0.517	0.274	0.008	0.79	0.53
		Back	0.637	0.585	0.747	1.22	1.38
	LTE Band 12_Ant2	Front	0.324	0.274	0.008	0.60	0.33
		Back	0.563	0.585	0.747	1.15	1.31
	LTE Band 13_Ant2	Front	0.406	0.274	0.008	0.68	0.41
		Back	0.536	0.585	0.747	1.12	1.28
	LTE Band 14_Ant2	Front	0.511	0.274	0.008	0.79	0.52
		Back	0.603	0.585	0.747	1.19	1.35
	LTE Band 26_Ant2	Front	0.530	0.274	0.008	0.80	0.54
		Back	0.602	0.585	0.747	1.19	1.35
	LTE Band 66_Ant2	Front	0.300	0.274	0.008	0.57	0.31
		Back	0.485	0.585	0.747	1.07	1.23
	LTE Band 25_Ant2	Front	0.296	0.274	0.008	0.57	0.30
		Back	0.456	0.585	0.747	1.04	1.20
	LTE Band 30_Ant2	Front	0.388	0.274	0.008	0.66	0.40
		Back	0.440	0.585	0.747	1.03	1.19
	LTE Band 48_Ant4	Front	0.025	0.274	0.008	0.30	0.03
		Back	0.504	0.585	0.747	1.09	1.25
NR	N71_Ant 2	Front	0.363	0.274	0.008	0.64	0.37
		Back	0.532	0.585	0.747	1.12	1.28
	N12_Ant 2	Front	0.573	0.274	0.008	0.85	0.58
		Back	0.594	0.585	0.747	1.18	1.34
	N26_Ant 2	Front	0.376	0.274	0.008	0.65	0.38
		Back	0.453	0.585	0.747	1.04	1.20
	N66_Ant 2	Front	0.465	0.274	0.008	0.74	0.47
		Back	0.618	0.585	0.747	1.20	1.37
	N25_Ant 2	Front	0.417	0.274	0.008	0.69	0.43
		Back	0.572	0.585	0.747	1.16	1.32
	N30_Ant 2	Front	0.347	0.274	0.008	0.62	0.36
		Back	0.545	0.585	0.747	1.13	1.29
	N77_Ant 4	Front		0.274	0.008	0.27	0.01
		Back	0.716	0.585	0.747	1.30	1.46
	N78_Ant 4	Front	0.011	0.274	0.008	0.29	0.02
		Back	0.639	0.585	0.747	1.22	1.39

17.5 Product Specific Exposure Conditions

WWAN Band		Exposure Position	1 WWAN 10g SAR (W/kg)	2 2.4GHz WLAN 10g SAR (W/kg)	4 5GHz WLAN 10g SAR (W/kg)	1+2 Summed 10g SAR (W/kg)	Case No	SPLSR	1+4 Summed 10g SAR (W/kg)	Case No	SPLSR
GSM	GSM850_Ant8	Front			0.031	0.00			0.03		
		Back	1.497	1.622	1.769	3.12			3.27		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side				0.00			0.00		
	GSM1900_Ant1	Front	1.816		0.031	1.82			1.85		
		Back	2.972	1.622	1.769	**4.59**	**#21**	**0.06**	**4.74**	**#31**	**0.06**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	3.157			3.16			3.16		
CDMA	CDMA BC0_Ant8	Front			0.031	0.00			0.03		
		Back	1.745	1.622	1.769	3.37			3.51		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side				0.00			0.00		
	CDMA BC10_Ant8	Front			0.031	0.00			0.03		
		Back	2.207	1.622	1.769	3.83			**3.98**		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side				0.00			0.00		
	CDMA BC1_Ant1	Front	1.424		0.031	1.42			1.46		
		Back	1.939	1.622	1.769	3.56			3.71		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	3.167			3.17			3.17		
WCDMA	WCDMA V_Ant8	Front			0.031	0.00			0.03		
		Back	1.440	1.622	1.769	3.06			3.21		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side				0.00			0.00		
	WCDMA IV_Ant1	Front	1.507		0.031	1.51			1.54		
		Back	2.410	1.622	1.769	**4.03**	**#22**	**0.02**	**4.18**	**#32**	**0.05**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.993			2.99			2.99		
	WCDMA II_Ant1	Front	1.323		0.031	1.32			1.35		
		Back	1.881	1.622	1.769	3.50			3.65		
		Left side			0.094	0.00			0.09		

		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.971			2.97			2.97		
LTE	LTE Band 13_Ant8	Front			0.031	0.00			0.03		
		Back	1.104	1.622	1.769	2.73			2.87		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side				0.00			0.00		
	LTE Band 14_Ant8	Front			0.031	0.00			0.03		
		Back	1.095	1.622	1.769	2.72			2.86		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side				0.00			0.00		
	LTE Band 26_Ant8	Front			0.031	0.00			0.03		
		Back	1.749	1.622	1.769	3.37			3.52		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side				0.00			0.00		
	LTE Band 66_Ant1	Front	1.182		0.031	1.18			1.21		
		Back	2.811	1.622	1.769	**4.43**	**#23**	**0.06**	**4.58**	**#33**	**0.06**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.887			2.89			2.89		
	LTE Band 25_Ant1	Front	1.135		0.031	1.14			1.17		
		Back	1.204	1.622	1.769	2.83			2.97		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.932			2.93			2.93		
	LTE Band 30_Ant1	Front			0.031	0.00			0.03		
		Back	2.707	1.622	1.769	**4.33**	**#24**	**0.06**	**4.48**	**#34**	**0.06**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.858			2.86			2.86		
	LTE Band 7_Ant1	Front	1.979		0.031	1.98			2.01		
		Back	3.174	1.622	1.769	**4.80**	**#25**	**0.07**	**4.94**	**#35**	**0.07**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.909			2.91			2.91		
	LTE Band 41_Ant1	Front	2.187		0.031	2.19			2.22		
		Back	3.177	1.622	1.769	**4.80**	**#26**	**0.07**	**4.95**	**#36**	**0.07**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.931			2.93			2.93		
	LTE Band	Front	1.881		0.031	1.88			1.91		

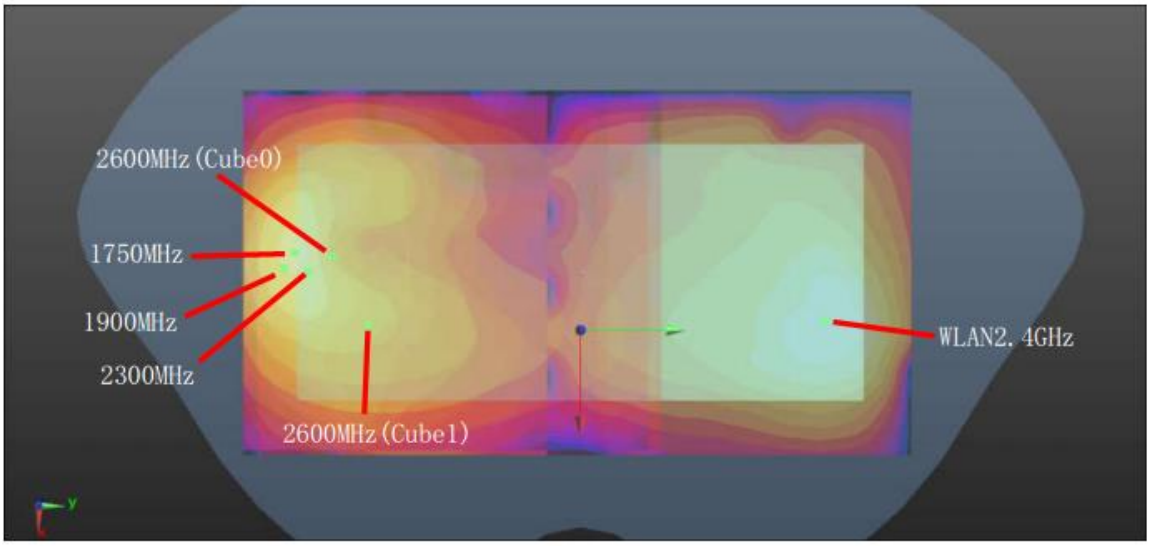
	41_HPUE_Ant1	Back	2.610	1.622	1.769	**4.23**	**#27**	**0.06**	**4.38**	**#37**	**0.06**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.425			2.43			2.43		
NR	N26_Ant 8	Front			0.031	0.00			0.03		
		Back	1.128	1.622	1.769	2.75			2.90		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side				0.00			0.00		
	N66_Ant 1	Front	1.613		0.031	1.61			1.64		
		Back	2.363	1.622	1.769	**3.99**			**4.13**	**#38**	**0.05**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	3.151			3.15			3.15		
	N25_Ant 1	Front	1.283		0.031	1.28			1.31		
		Back	1.692	1.622	1.769	3.31			3.46		
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.707			2.71			2.71		
	N30_Ant 1	Front	1.805		0.031	1.81			1.84		
		Back	2.884	1.622	1.769	**4.51**	**#28**	**0.06**	**4.65**	**#39**	**0.06**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	3.023			3.02			3.02		
	N41_Ant 1	Front	2.440		0.031	2.44			2.47		
		Back	3.177	1.622	1.769	**4.80**	**#29**	**0.07**	**4.95**	**#40**	**0.07**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.849			2.85			2.85		
	N41 HPUE_Ant 1	Front	2.440		0.031	2.44			2.47		
		Back	3.177	1.622	1.769	**4.80**	**#30**	**0.07**	**4.95**	**#41**	**0.07**
		Left side			0.094	0.00			0.09		
		Right side			0.034	0.00			0.03		
		Top side			0.264	0.00			0.26		
		Bottom side	2.849			2.85			2.85		

WWAN Band		Exposure Position	1 WWAN 10g SAR (W/kg)	2 2.4GHz WLAN 10g SAR (W/kg)	4 5GHz WLAN 10g SAR (W/kg)	1+2 Summed 10g SAR (W/kg)	1+4 Summed 10g SAR (W/kg)
LTE	LTE Band 66_Ant2	Front	0.681		0.031	0.68	0.71
		Back	0.544	1.622	1.769	2.17	2.31
		Left side			0.094	0.00	0.09
		Right side			0.034	0.00	0.03
		Top side	1.382		0.264	1.38	1.65
		Bottom side				0.00	0.00
	LTE Band 25_Ant2	Front	1.019		0.031	1.02	1.05
		Back	0.882	1.622	1.769	2.50	2.65
		Left side			0.094	0.00	0.09
		Right side			0.034	0.00	0.03
		Top side	1.430		0.264	1.43	1.69
		Bottom side				0.00	0.00
	LTE Band 30_Ant2	Front	1.412		0.031	1.41	1.44
		Back	1.363	1.622	1.769	2.99	3.13
		Left side			0.094	0.00	0.09
		Right side			0.034	0.00	0.03
		Top side	1.563		0.264	1.56	1.83
		Bottom side				0.00	0.00
	LTE Band 48_Ant4	Front			0.031	0.00	0.03
		Back	1.760	1.622	1.769	3.38	3.53
		Left side			0.094	0.00	0.09
		Right side			0.034	0.00	0.03
		Top side			0.264	0.00	0.26
		Bottom side				0.00	0.00
	N66_Ant 2	Front	1.356		0.031	1.36	1.39
		Back	1.081	1.622	1.769	2.70	2.85
		Left side			0.094	0.00	0.09
		Right side			0.034	0.00	0.03
		Top side	1.238		0.264	1.24	1.50
		Bottom side				0.00	0.00
	N25_Ant 2	Front	1.472		0.031	1.47	1.50
		Back	1.083	1.622	1.769	2.71	2.85
		Left side			0.094	0.00	0.09
		Right side			0.034	0.00	0.03
		Top side	1.775		0.264	1.78	2.04
		Bottom side				0.00	0.00
	N30_Ant 2	Front	1.652		0.031	1.65	1.68
		Back	1.462	1.622	1.769	3.08	3.23
		Left side			0.094	0.00	0.09
		Right side			0.034	0.00	0.03
		Top side	1.791		0.264	1.79	2.06
		Bottom side				0.00	0.00
	N77_Ant 4	Front			0.031	0.00	0.03
		Back	1.645	1.622	1.769	3.27	3.41
		Left side			0.094	0.00	0.09
		Right side			0.034	0.00	0.03
		Top side			0.264	0.00	0.26
		Bottom side				0.00	0.00
	N78_Ant 4	Front			0.031	0.00	0.03
		Back	1.645	1.622	1.769	3.27	3.41
		Left side			0.094	0.00	0.09
		Right side			0.034	0.00	0.03
		Top side			0.264	0.00	0.26
		Bottom side				0.00	0.00

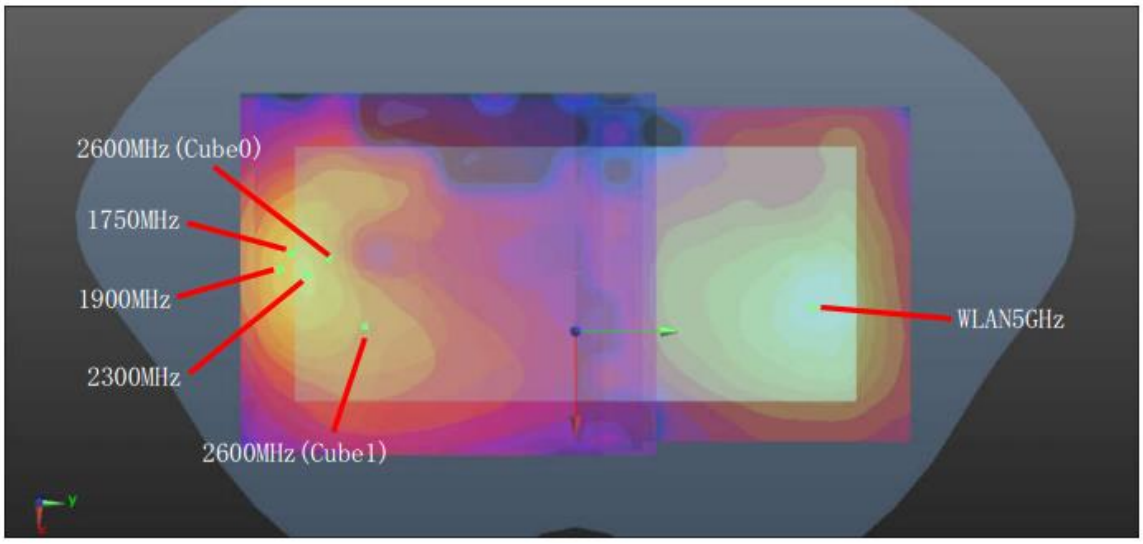
17.6 SPLSR Evaluation and Analysis

General Note:

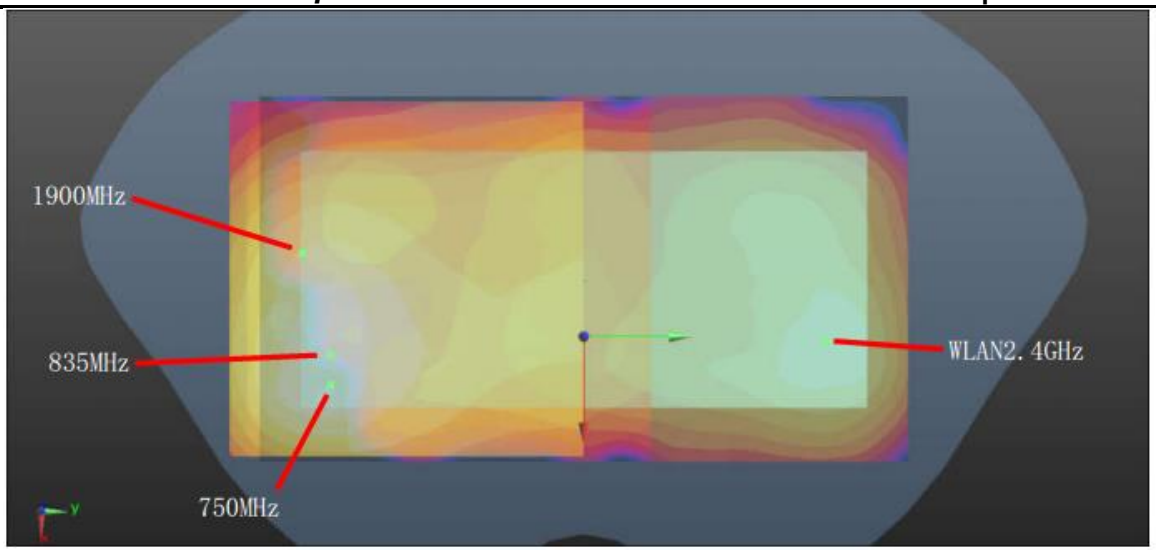
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of [(x1−x2)2 + (y1−y2)2 + (z1−z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. SPLSR = (SAR1 + SAR2)1.5 / (min. separation distance, mm). If SPLSR ≤ 0.04 for 1g SAR and SPLSR ≤ 0.10 for 10g SAR, simultaneously transmission SAR measurement is not necessary.



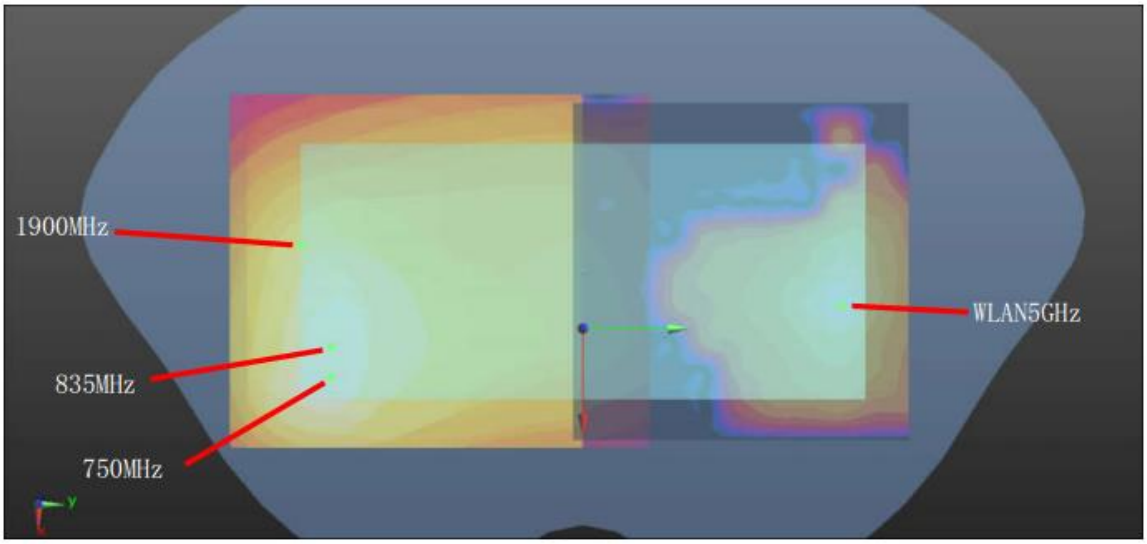
WWAN+WLAN2.4GHz_0mm



WWAN+WLAN5GHz_0mm



WWAN+WLAN2.4GHz_5mm



WWAN+WLAN5GHz_5mm

Back 5mm(WWAN+2.4G) for Hotspot/Body-worn 1g SAR											
Case #01	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	SAR peak location (m) Y	SAR peak location (m) Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM850	Back	1.18	5	0.0055	-0.075	-0.207	147.1	1.77	0.02	Not required
	WLAN2.4GHz		0.585	5	0.001	0.072	-0.207				
Case #02	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	SAR peak location (m) Y	SAR peak location (m) Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA BC0	Back	1.057	5	0.004	-0.075	-0.207	147.0	1.64	0.01	Not required
	WLAN2.4GHz		0.585	5	0.001	0.072	-0.207				
Case #03	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	SAR peak location (m) Y	SAR peak location (m) Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA BC10	Back	1.187	5	0.004	-0.075	-0.207	147.0	1.77	0.02	Not required
	WLAN2.4GHz		0.585	5	0.001	0.072	-0.207				
Case #04	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	SAR peak location (m) Y	SAR peak location (m) Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 13	Back	1.063	5	0.0055	-0.0735	-0.208	145.6	1.65	0.01	Not required
	WLAN2.4GHz		0.585	5	0.001	0.072	-0.207				
Case #05	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	SAR peak location (m) Y	SAR peak location (m) Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 14	Back	1.145	5	0.008	-0.0625	-0.207	134.7	1.73	0.02	Not required
	WLAN2.4GHz		0.585	5	0.001	0.072	-0.207				
Case #06	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	SAR peak location (m) Y	SAR peak location (m) Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 26	Back	1.186	5	0.001	-0.075	-0.207	147.0	1.77	0.02	Not required
	WLAN2.4GHz		0.585	5	0.001	0.072	-0.207				
Case #07	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	SAR peak location (m) Y	SAR peak location (m) Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	N26	Back	1.019	5	-0.007	-0.0685	-0.209	140.7	1.60	0.01	Not required
	WLAN2.4GHz		0.585	5	0.001	0.072	-0.207				
Case #18	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	SAR peak location (m) Y	SAR peak location (m) Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA BC10	Back	1.135	5	0.0025	-0.075	-0.207	147.0	1.72	0.02	Not required
	WLAN2.4GHz		0.585	5	0.001	0.072	-0.207				

Back 5mm(WWAN+5G) for Hotspot/Body-worn											
Case #08	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM850	Back	1.18	5	0.0055	-0.075	-0.207	149.6	1.93	0.02	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				
Case #09	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900	Back	0.91	5	-0.0245	-0.0835	-0.207	158.4	1.66	0.01	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				
Case #10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA BC0	Back	1.057	5	0.004	-0.075	-0.207	149.5	1.80	0.02	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				
Case #11	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA BC10	Back	1.187	5	0.004	-0.075	-0.207	149.5	1.93	0.02	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				
Case #12	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA V	Back	0.942	5	0.004	-0.082	-0.207	156.5	1.69	0.01	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				
Case #13	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 12	Back	0.928	5	0.0145	-0.075	-0.207	150.7	1.68	0.01	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				
Case #14	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 13	Back	1.063	5	0.0055	-0.0735	-0.208	148.1	1.81	0.02	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				
Case #15	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 14	Back	1.145	5	0.008	-0.0625	-0.207	137.4	1.89	0.02	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				
Case #16	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 26	Back	1.186	5	0.001	-0.075	-0.207	149.3	1.93	0.02	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				
Case #17	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	N26	Back	1.019	5	-0.007	-0.0685	-0.209	142.5	1.77	0.02	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				

Case #19	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA BC0	Back	0.98	5	0.0025	-0.075	-0.207	149.4	1.73	0.02	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				

Case #20	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA BC10	Back	1.135	5	0.0025	-0.075	-0.207	149.4	1.88	0.02	Not required
	WLAN5GHz		0.747	5	-0.008	0.074	-0.207				

Back 0mm(WWAN+2.4G) for Product Specific 10g SAR

Case #21	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900	Back	2.972	0	-0.0245	-0.0835	-0.207	157.8	4.59	0.06	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

Case #22	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA IV	Back	2.41	0	-0.02	-0.0925	-0.207	166.2	4.03	0.05	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

Case #23	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 66	Back	2.811	0	-0.023	-0.085	-0.207	159.1	4.43	0.06	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

Case #24	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 30	Back	2.707	0	-0.017	-0.0804	-0.207	153.9	4.33	0.06	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

Case #25	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 7	Back	3.174	0	-0.029	-0.0844	-0.207	159.4	4.80	0.07	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

Case #26	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 41	Back	3.177	0	-0.0254	-0.0816	-0.207	156.1	4.80	0.07	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

Case #27	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 41_HPUE	Back	2.61	0	-0.0302	-0.0828	-0.207	158.0	4.23	0.06	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

Case #28	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	N30		2.884	0	-0.0218	-0.0856	-0.207	159.6	4.51	0.06	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #29	N41 Cube 0	Back	3.177	0	-0.0218	-0.0736	-0.207	147.7	4.80	0.07	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				
	N41 Cube 1	Back	3.177	0	-0.0164	-0.0728	-0.207	146.3	4.80	0.07	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #30	N41-HPUE Cube 0	Back	3.177	0	-0.0218	-0.0736	-0.207	147.7	4.80	0.07	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				
	N41-HPUE Cube 1	Back	3.177	0	-0.0164	-0.0728	-0.207	146.3	4.80	0.07	Not required
	WLAN2.4GHz		1.622	0	-0.0026	0.0728	-0.206				

Back 0mm(WWAN+5G) for Product Specific 10g SAR

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #31	GSM1900	Back	2.972	0	-0.0245	-0.0835	-0.207	160.4	4.74	0.06	Not required
	WLAN5GHz		1.769	0	-0.008	0.076	-0.207				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #32	WCDMA IV	Back	2.41	0	-0.02	-0.0925	-0.207	168.9	4.18	0.05	Not required
	WLAN5GHz		1.769	0	-0.008	0.076	-0.207				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #33	LTE Band 66	Back	2.811	0	-0.023	-0.085	-0.207	161.7	4.58	0.06	Not required
	WLAN5GHz		1.769	0	-0.008	0.076	-0.207				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #34	LTE Band 30	Back	2.707	0	-0.017	-0.0804	-0.207	156.7	4.48	0.06	Not required
	WLAN5GHz		1.769	0	-0.008	0.076	-0.207				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #35	LTE Band 7	Back	3.174	0	-0.029	-0.0844	-0.207	161.8	4.94	0.07	Not required
	WLAN5GHz		1.769	0	-0.008	0.076	-0.207				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #36	LTE Band 41	Back	3.177	0	-0.0254	-0.0816	-0.207	158.6	4.95	0.07	Not required
	WLAN5GHz		1.769	0	-0.008	0.076	-0.207				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #37	LTE Band 41_HPUE	Back	2.61	0	-0.0302	-0.0828	-0.207	160.3	4.38	0.06	Not required
	WLAN5GHz		1.769	0	-0.008	0.076	-0.207				