FCC SAR Test Report

Report No.	:	**W7L-P23120020SA02**
Applicant	:	**POINTMOBILE CO.,LTD**
Address	:	**9F Kabul Great Valley, 32, Digital-ro 9-gil, Geumcheon-gu, Seoul, Korea 08512**
Manufacturer	:	**POINTMOBILE CO.,LTD**
Address	:	**9F Kabul Great Valley, 32, Digital-ro 9-gil, Geumcheon-gu, Seoul, Korea 08512**
Product	:	**Moblie computer**
FCC ID	:	**V2X-PM95**
Brand	:	**point mobile**
Model No.	:	**PM95**
Standards	:	**FCC 47 CFR Part 2 (2.1093) / IEEE C95.1:1992 / IEEE 1528:2013** **KDB 865664 D01 v01r04 / KDB 865664 D02 v01r02 / KDB 447498 D01 v06** **KDB 648474 D04 v01r03 / KDB 941225 D01 v03r01 / KDB 941225 D05 v02r05** **KDB 941225 D06 v02r01**
Date of Testing	:	**Apr. 06, 2024 ~ May. 11, 2024**
FCC Designation No.	:	**CN1325** **FCC Site Registration No.** : **434559**
Issued By	:	**Huarui 7layers High Technology (Suzhou) Co., Ltd.**
Address	:	**Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province China**

CERTIFICATION: The above equipment has been tested by **Huarui 7layers High Technology (Suzhou) Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's SAR characteristics under the conditions specified in this report. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product certification, approval, or endorsement by A2LA or any government agencies.

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Release Control Record

Report No.	Reason for Change	Date Issued
W7L-P23120020SA02	Initial release	May. 15, 2024

1. Summary of Maximum SAR Value

Equipment Class	Mode	Highest Reported Head SAR_{1g} (W/kg)	Highest Reported Body-worn SAR_{1g} (1.5 cm Gap) (W/kg)	Highest Reported Hotspot SAR_{1g} (1.0 cm Gap) (W/kg)	Highest Reported Extremity SAR_{10g} (0 cm Gap) (W/kg)
PCE	GSM850	1.11	0.83	0.51	N/A
	GSM1900	0.58	0.47	0.55	N/A
	WCDMA II	0.53	0.48	0.76	N/A
	WCDMA IV	0.66	0.71	0.77	3.12
	WCDMA V	0.38	0.11	0.35	N/A
	LTE 7	1.18	0.63	0.56	N/A
	LTE 12 / 17	0.33	0.46	0.53	N/A
	LTE 13	0.35	0.29	0.44	N/A
	LTE 14	0.30	0.30	0.39	N/A
	LTE 25 / 2	1.37	0.45	0.90	N/A
	LTE 26 / 5	0.40	0.27	0.43	N/A
	LTE 30	0.73	0.34	0.56	N/A
	LTE 38	0.22	0.38	0.58	N/A
	LTE 41	0.37	0.23	0.34	N/A
	LTE 42	1.12	1.06	0.37	3.10
	LTE 48 / 43	0.98	0.61	0.28	3.10
	LTE 66 / 4	0.94	0.64	0.74	N/A
	LTE 71	0.30	0.44	0.53	N/A
	NR Band n7	0.94	0.57	0.55	N/A
	NR Band n12	0.40	0.45	0.49	N/A
	NR Band n13	0.37	0.23	0.42	N/A
	NR Band n14	0.35	0.19	0.37	N/A
	NR Band n25 / 2	1.27	0.27	0.76	N/A
	NR Band n26 / 5	0.43	0.24	0.40	N/A
	NR Band n30	0.81	0.22	0.62	N/A
	NR Band n38	0.71	0.47	0.78	N/A
	NR Band n41	0.93	0.45	0.63	N/A
	NR Band n48	1.12	0.90	0.40	3.14
	NR Band n66	0.95	0.47	0.77	N/A
	NR Band n71	0.37	0.31	0.54	N/A
	NR Band n77 / n78	1.21	0.96	0.43	3.14

Note:

1. The SAR limit **(Head & Body: SAR_{1g} 1.6 W/kg, Extremity: SAR_{10g} 4.0 W/kg)** for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992.

2. Description of Equipment Under Test

EUT Type	Moblie computer
FCC ID	V2X-PM95
Brand Name	point mobile
Model Name	PM95
HW Version	MP
SW Version	95.00
Tx Frequency Bands (Unit: MHz)	GSM850 : 824 ~ 849 GSM1900 : 1850 ~ 1910 WCDMA Band II : 1850 ~ 1910 WCDMA Band IV : 1710 ~ 1755 WCDMA Band V : 824 ~ 849 LTE Band 2 : 1850 ~ 1910 LTE Band 4 : 1710 ~ 1755 LTE Band 5 : 824 ~ 849 LTE Band 7 : 2500 ~ 2570 LTE Band 12 : 699 ~ 716 LTE Band 13 : 777 ~ 787 LTE Band 14 : 788 ~ 798 LTE Band 17 : 704 ~ 716 LTE Band 25 : 1850 ~ 1915 LTE Band 26 : 814 ~ 849 LTE Band 30 : 2305 ~ 2315 LTE Band 38 : 2570 ~ 2620 LTE Band 41 : 2496 ~ 2690 LTE Band 42 : 3450 ~ 3550 LTE Band 43 : 3600 ~ 3700 LTE Band 48 : 3550 ~ 3700 LTE Band 66 : 1710 ~ 1780 LTE Band 71 : 663 ~ 698 NR Band n2 : 1850 ~ 1910 NR Band n5 : 824 ~ 849 NR Band n7 : 2500 ~ 2570 NR Band n12 : 699 ~ 716 NR Band n13 : 777 ~ 787 NR Band n14 : 788 ~ 798 NR Band n25 : 1850 ~ 1915 NR Band n26 : 814 ~ 849 NR Band n30 : 2305 ~ 2315 NR Band n38 : 2570 ~ 2620 NR Band n41 : 2496 ~ 2690 NR Band n48 : 3550 ~ 3700 NR Band n66 : 1710 ~ 1780 NR Band n71 : 663 ~ 698 NR Band n77 : 3450 ~ 3550, 3700 ~ 3980 NR Band n78 : 3450 ~ 3550
Uplink Modulations	GSM & GPRS & EDGE : GMSK, 8PSK WCDMA : QPSK LTE : QPSK, 16QAM, 64QAM NR : Pi/2 BPSK (DFT-s-OFDM), QPSK (DFT-s-OFDM, CP-OFDM), 16QAM (DFT-s-OFDM, CP-OFDM), 64QAM (DFT-s-OFDM, CP-OFDM), 256QAM (DFT-s-OFDM, CP-OFDM)
Subcarrier Spacing	15 kHz（FDD）/ 30 kHz（TDD）
NR Uplink Transmission Duty Cycle	50% for TDD PC2, 100% for TDD PC3
LTE Anchor Band for NR Band n2	LTE Band 5/12/13/14/30/66/71
LTE Anchor Band for NR Band n5	LTE Band 2/30/48/66
LTE Anchor Band for NR Band n7	LTE Band 2/5/12/13/66
LTE Anchor Band for NR Band n12	LTE Band 2/66
LTE Anchor Band for NR Band n25	LTE Band 12/66
LTE Anchor Band for NR Band n38	LTE Band 2/5/12/66/71
LTE Anchor Band for NR Band n41	LTE Band 2/12/25/66
LTE Anchor Band for NR Band n66	LTE Band 2/5/7/12/13/14/30/48/71
LTE Anchor Band for NR Band n71	LTE Band 2/7/66

LTE Anchor Band for NR Band n77	LTE Band 2/5/7/12/13/14/38/66
LTE Anchor Band for NR Band n78	LTE Band 2/4/5/7/12/13/38/66/71
Maximum Tune-up Conducted Power (Unit: dBm)	Please refer to section 4.5.1 of this report.
Antenna Type	Fixed Internal Antenna
EUT Stage	Identical Prototype

Note:

1. The above EUT information is declared by the manufacturer and for more detailed features description please refers to the manufacturer's specifications or User's Manual.
2. This device supports both LTE Band 2/4/5/12/43 and LTE Band 25/66/26/17/48.Since the supported frequency span for LTE Band 2/4/5/12/43 falls completely within the LTE Band 25/66/26/17/48, they have the same target power, and share the same transmission path, therefore SAR was only assessed for LTE Band 25/66/26/17/48.
3. This device supports both NR Band n2/n5/n78 and NR Band n25/n26/n77. Since the supported frequency span for NR Band n2/n5/n78 falls completely within the NR Band n25/n26/n77, they have the same target power, and share the same transmission path, therefore SAR was only assessed for NR Band n25/n26/n77.
4. WWAN Antenna 5/6/7 of NR Band n41 and WWAN Antenna 1/3/5 of NR Band n77/78 are used as SRS dedicated antennas, the antennas are used for receiving and Sound Reference Signal transmission (SRS) only (not traffic transmission).
5. For WWAN antennas, in certain usage scenarios, when the receiver or hotspot function is activated, the maximum power will be reduced. The specific status is as follows:

Power State	Test Condition	Test Scenario	Receiver	Hotpost	WIFI State
Default power	N/A	N/A	N/A	N/A	N/A
DSI1	Head	WWAN Standalone	On	Off	Off
DSI2	Head	WWAN&WLAN Simultaneous transmission	On	Off/On	On
DSI3	Hotspot	WWAN&WLAN Simultaneous transmission	Off	On	On
DSI4	Body worn / Extremity	WWAN Standalone	Off	Off	Off
DSI5	Body worn / Extremity	WWAN&WLAN Simultaneous transmission	Off	Off	On

3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

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.

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)
SAR measurement can be related to the electrical field in the tissue by

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

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

3.2 SPEAG DASY System

DASY system consists of high precision robot, probe alignment sensor, phantom, robot controller, controlled measurement server and near-field probe. The robot includes six axes that can move to the precision position of the DASY5 software defined. The DASY software can define the area that is detected by the probe. The robot is connected to controlled box. Controlled measurement server is connected to the controlled robot box. The DAE includes amplifier, signal multiplexing, AD converter, offset measurement and surface detection. It is connected to the Electro-optical coupler (ECO). The ECO performs the conversion form the optical into digital electric signal of the DAE and transfers data to the PC.

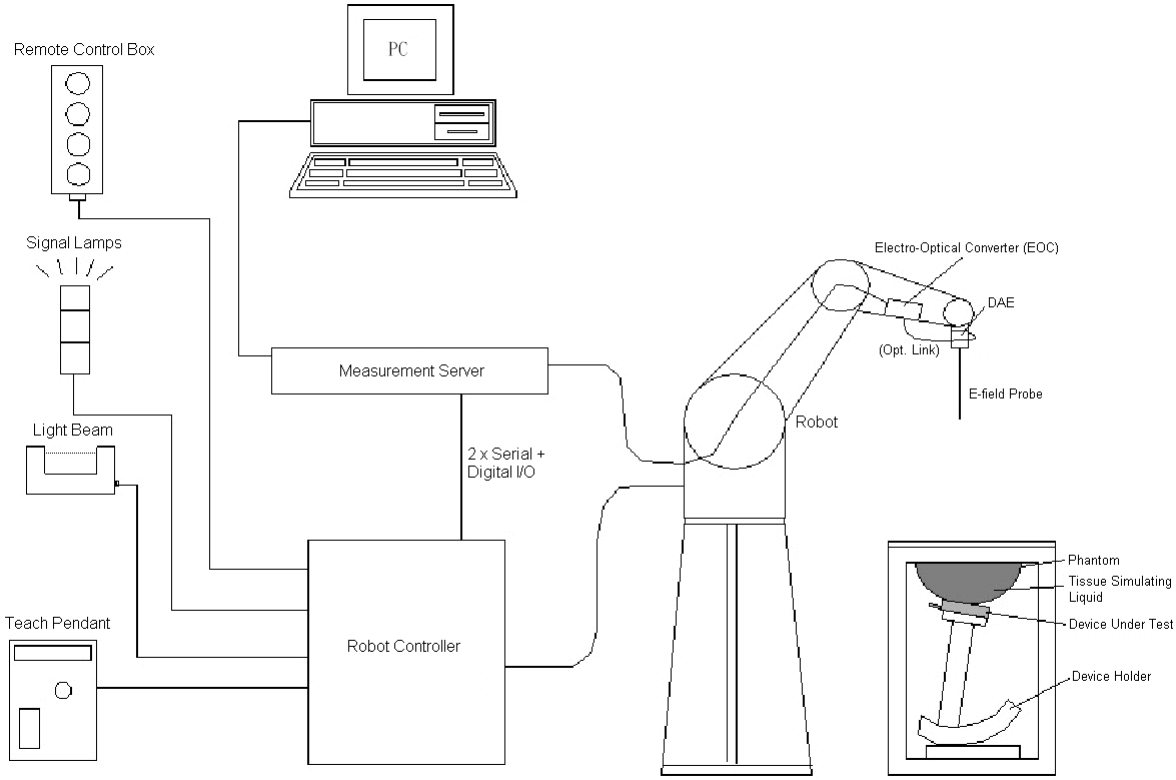


Fig-3.1 DASY System Setup

3.2.1 Robot

The DASY system uses the high precision robots from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY5: CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability ±0.035 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)

Fig-3.2 DASY6

3.2.2 Probes

The SAR measurement is conducted with the dosimetric probe. 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.

Model	EX3DV4	
Construction	Symmetrical design with triangular core. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).	
Frequency	10 MHz to 6 GHz Linearity: ± 0.2 dB	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 µW/g to 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

Model	ES3DV3	
Construction	Symmetrical design with triangular core. Interleaved sensors. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).	
Frequency	10 MHz to 4 GHz Linearity: ± 0.2 dB	
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.3 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	5 µW/g to 100 mW/g Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 3.9 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.0 mm	

3.2.3 Data Acquisition Electronics (DAE)

Model	DAE3, DAE4	
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.	
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV)	
Input Offset Voltage	< 5µV (with auto zero)	
Input Bias Current	< 50 fA	
Dimensions	60 x 60 x 68 mm	

3.2.4 Phantoms

Model	Twin SAM	
Construction	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)	
Dimensions	Length: 1000 mm Width: 500 mm Height: adjustable feet	
Filling Volume	approx. 25 liters	

Model	ELI	
Construction	Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2.0 ± 0.2 mm (bottom plate)	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	
Filling Volume	approx. 30 liters	

3.2.5 Device Holder

Model	Mounting Device	
Construction	In combination with the Twin SAM Phantom or ELI4, the Mounting Device enables the rotation of the mounted transmitter device in spherical coordinates. Rotation point is the ear opening point. Transmitter devices can be easily and accurately positioned according to IEC, IEEE, FCC or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat).	
Material	POM	

Model	Laptop Extensions Kit	
Construction	Simple but effective and easy-to-use extension for Mounting Device that facilitates the testing of larger devices according to IEC 62209-2 (e.g., laptops, cameras, etc.). It is lightweight and fits easily on the upper part of the Mounting Device in place of the phone positioner.	
Material	POM, Acrylic glass, Foam	

3.2.6 System Validation Dipoles

Model	D-Serial	
Construction	Symmetrical dipole with l/4 balun. Enables measurement of feed point impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.	
Frequency	750 MHz to 5800 MHz	
Return Loss	> 20 dB	
Power Capability	> 100 W (f < 1GHz), > 40 W (f > 1GHz)	

3.2.7 Tissue Simulating Liquids

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. 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. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5% are listed in Table-3.1.

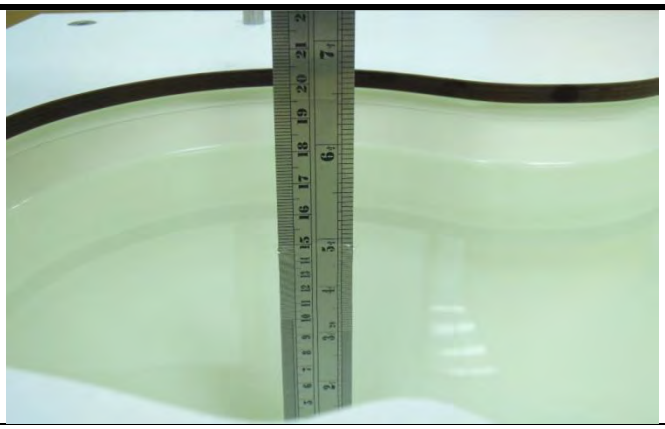


Photo of Liquid Height for Head Position

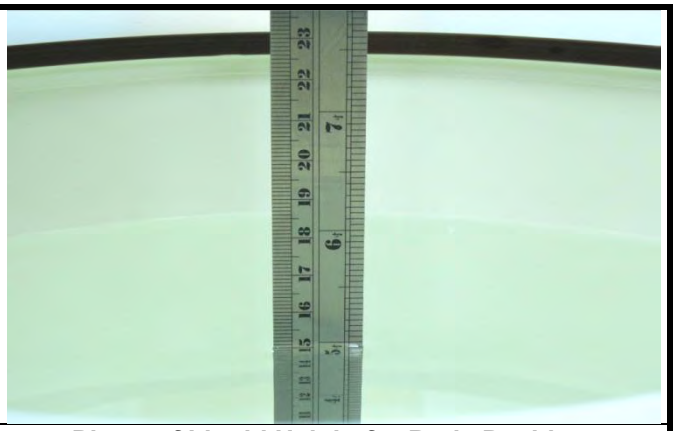


Photo of Liquid Height for Body Position

The dielectric properties of the head tissue simulating liquids are defined in IEEE 1528, and KDB 865664 D01 Appendix A. For the body tissue simulating liquids, the dielectric properties are defined in KDB 865664 D01 Appendix A. The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using a dielectric assessment kit and a network analyzer.

Table-3.1 Targets of Tissue Simulating Liquid

Frequency (MHz)	Target Permittivity	Range of ±5%	Target Conductivity	Range of ±5%
For Head				
750	41.9	39.8 ~ 44.0	0.89	0.85 ~ 0.93
835	41.5	39.4 ~ 43.6	0.90	0.86 ~ 0.95
900	41.5	39.4 ~ 43.6	0.97	0.92 ~ 1.02
1450	40.5	38.5 ~ 42.5	1.20	1.14 ~ 1.26
1640	40.3	38.3 ~ 42.3	1.29	1.23 ~ 1.35
1750	40.1	38.1 ~ 42.1	1.37	1.30 ~ 1.44
1800	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
1900	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2000	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2300	39.5	37.5 ~ 41.5	1.67	1.59 ~ 1.75
2450	39.2	37.2 ~ 41.2	1.80	1.71 ~ 1.89
2600	39.0	37.1 ~ 41.0	1.96	1.86 ~ 2.06
3500	37.9	36.0 ~ 39.8	2.91	2.76 ~ 3.06
5200	36.0	34.2 ~ 37.8	4.66	4.43 ~ 4.89
5300	35.9	34.1 ~ 37.7	4.76	4.52 ~ 5.00
5500	35.6	33.8 ~ 37.4	4.96	4.71 ~ 5.21
5600	35.5	33.7 ~ 37.3	5.07	4.82 ~ 5.32
5800	35.3	33.5 ~ 37.1	5.27	5.01 ~ 5.53

The following table gives the recipes for tissue simulating liquids.

Table-3.2 Recipes of Tissue Simulating Liquid

Tissue Type	Bactericide	DGBE	HEC	NaCl	Sucrose	Triton X-100	Water	Diethylene Glycol Mono-hexylether
H750	0.2	-	0.2	1.5	56.0	-	42.1	-
H835	0.2	-	0.2	1.5	57.0	-	41.1	-
H900	0.2	-	0.2	1.4	58.0	-	40.2	-
H1450	-	43.3	-	0.6	-	-	56.1	-
H1640	-	45.8	-	0.5	-	-	53.7	-
H1750	-	47.0	-	0.4	-	-	52.6	-
H1800	-	44.5	-	0.3	-	-	55.2	-
H1900	-	44.5	-	0.2	-	-	55.3	-
H2000	-	44.5	-	0.1	-	-	55.4	-
H2300	-	44.9	-	0.1	-	-	55.0	-
H2450	-	45.0	-	0.1	-	-	54.9	-
H2600	-	45.1	-	0.1	-	-	54.8	-
H3500	-	28.0	-	0.2	-	20.0	71.8	-
H5G	-	-	-	-	-	17.2	65.5	17.3

3.3 SAR System Verification

The system check verifies that the system operates within its specifications. It is performed daily or before every SAR measurement. The system check uses normal SAR measurements in the flat section of the phantom with a matched dipole at a specified distance. The system verification setup is shown as below.

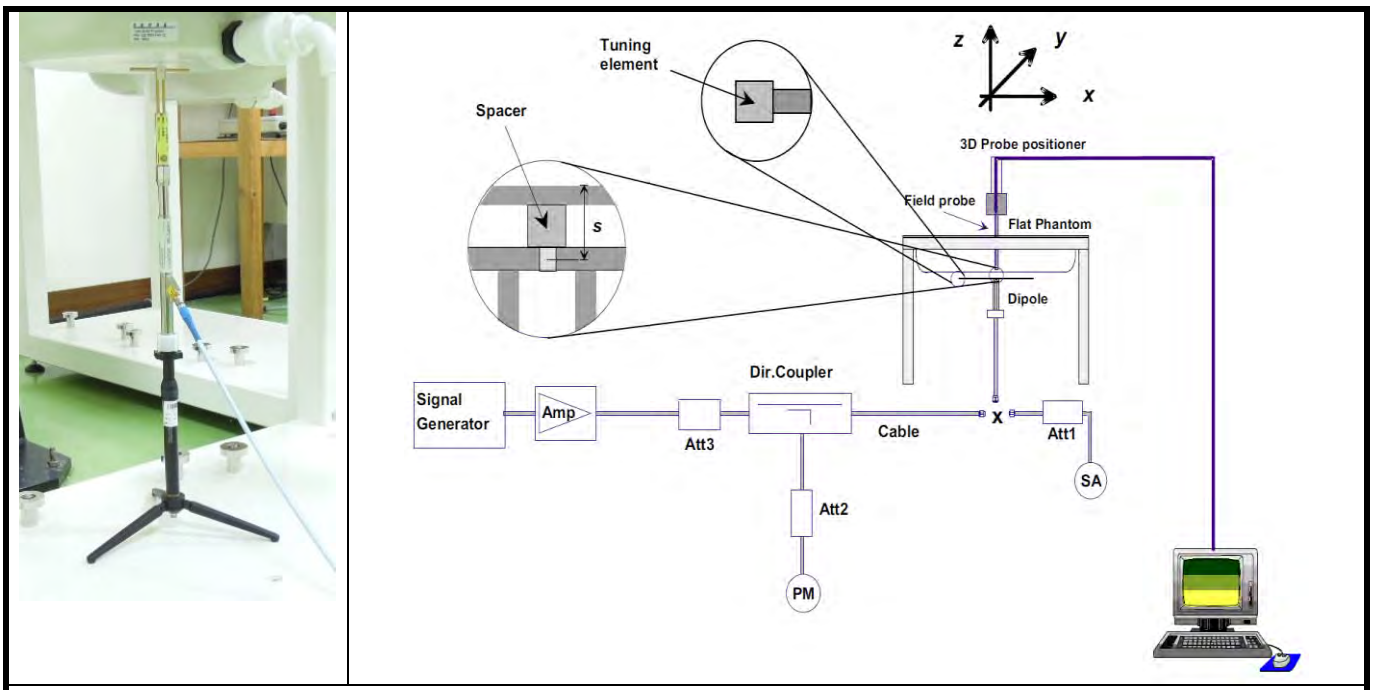


Fig-3.4 System Verification Setup

The validation dipole is placed beneath the flat phantom with the specific spacer in place. The distance spacer is touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The spectrum analyzer measures the forward power at the location of the system check dipole connector. The signal generator is adjusted for the desired forward power (250 mW is used for 700 MHz to 3 GHz, 100 mW is used for 3.5 GHz to 6 GHz) at the dipole connector and the power meter is read at that level. After connecting the cable to the dipole, the signal generator is readjusted for the same reading at power meter.

After system check testing, the SAR result will be normalized to 1W forward input power and compared with the reference SAR value derived from validation dipole certificate report. The deviation of system check should be within 10 %.

3.4 SAR Measurement Procedure

According to the SAR 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

The SAR measurement procedures for each of test conditions are as follows:

(a) Make EUT to transmit maximum output power
(b) Measure conducted output power through RF cable
(c) Place the EUT in the specific position of phantom
(d) Perform SAR testing steps on the DASY system
(e) Record the SAR value

3.4.1 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. According to KDB 865664 D01, the resolution for Area and Zoom scan is specified in the table below.

Items	<= 2 GHz	2-3 GHz	3-4 GHz	4-5 GHz	5-6 GHz
Area Scan (Δx, Δy)	<= 15 mm	<= 12 mm	<= 12 mm	<= 10 mm	<= 10 mm
Zoom Scan (Δx, Δy)	<= 8 mm	<= 5 mm	<= 5 mm	<= 4 mm	<= 4 mm
Zoom Scan (Δz)	<= 5 mm	<= 5 mm	<= 4 mm	<= 3 mm	<= 2 mm
Zoom Scan Volume	>= 30 mm	>= 30 mm	>= 28 mm	>= 25 mm	>= 22 mm

Note:

When zoom scan is required and report SAR is <= 1.4 W/kg, the zoom scan resolution of Δx / Δy (2-3GHz: <= 8 mm, 3-4GHz: <= 7 mm, 4-6GHz: <= 5 mm) may be applied.

3.4.2 Volume Scan Procedure

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.

3.4.3 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 drift more than 5%, the SAR will be retested.

3.4.4 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

3.4.5 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

4. SAR Measurement Evaluation

4.1 EUT Configuration and Setting

<Connections between EUT and System Simulator>

For WWAN SAR testing, the EUT was linked and controlled by base station emulator (Agilent E5515C is used for GSM/WCDMA/CDMA, and Anritsu MT8820C is used for LTE). Communication between the EUT and the emulator was established by air link. The distance between the EUT and the communicating antenna of the emulator is larger than 50 cm and the output power radiated from the emulator antenna is at least 30 dB smaller than the output power of EUT. The EUT was set from the emulator to radiate maximum output power during SAR testing.

<Considerations Related to GSM / GPRS / EDGE for Setup and Testing>

The maximum multi-slot capability supported by this device is as below.

1. This EUT is class B device
2. This EUT supports GPRS multi-slot class 33 (max. uplink: 4, max. downlink: 5, total timeslots: 6)
3. This EUT supports EDGE multi-slot class 33 (max. uplink: 4, max. downlink: 5, total timeslots: 6)

For GSM850 frequency band, the power control level is set to 5 for GSM mode and GPRS (GMSK: CS1), and set to 8 for EDGE (GMSK: MCS1, 8PSK: MCS9). For GSM1900 frequency band, the power control level is set to 0 for GSM mode and GPRS (GMSK: CS1), and set to 2 for EDGE (GMSK: MCS1, 8PSK: MCS9).

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data 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.

The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:
Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8)

<Considerations Related to WCDMA for Setup and Testing>

WCDMA Handsets Head SAR

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”. The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode.

WCDMA Handsets Body-worn SAR

SAR for body-worn configurations is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”. The 3G SAR test reduction procedure is applied to other spreading codes and multiple $DPDCH_n$ configurations supported by the handset with 12.2 kbps RMC as the primary mode.

Handsets with Release 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body-worn configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSDPA using the HSDPA body SAR procedures in the “Release 5 HSDPA Data Devices”, for the highest reported SAR body-worn exposure configuration in 12.2 kbps RMC. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

Handsets with Release 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body-worn configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSPA using the HSPA body SAR procedures in the "Release 6 HSPA Data Devices", for the highest reported body-worn exposure SAR configuration in 12.2 kbps RMC. When VOIP is applicable for next to the ear head exposure in HSPA, the 3G SAR test reduction procedure is applied to HSPA with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body-worn measurements is tested for next to the ear head exposure.

Release 5 HSDPA Data Devices

The 3G SAR test reduction procedure is applied to body SAR with 12.2 kbps RMC as the primary mode. Otherwise, body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. HSDPA is configured according to the applicable UE category of a test device. The number of HS-DSCH / HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms and a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors (β_c, β_d), and HS-DPCCH power offset parameters (Δ_{ACK}, Δ_{NACK}, Δ_{CQI}) are set according to values indicated in below. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	β_{hs} (1)	CM (dB)(2)	MPR
1	2 / 15	15 / 15	64	2 / 15	4 / 15	0.0	0
2	12 / 15 (3)	15 / 15 (3)	64	12 / 15 (3)	24 / 15	1.0	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} = 8 ⇔ $A_{hs} = \beta_{hs} / \beta_c = 30 / 15 \Leftrightarrow \beta_{hs} = 30 / 15 * \beta_c$.
Note 2: CM = 1 for $\beta_c / \beta_d = 12 / 15$, $\beta_{hs} / \beta_c = 24 / 15$.
Note 3: 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 signaled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11 / 15$ and $\beta_d = 15 / 15$.

Release 6 HSUPA Data Devices

The 3G SAR test reduction procedure is applied to body SAR with 12.2 kbps RMC as the primary mode. Otherwise, body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA. When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode. Otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing. Due to inner loop power control requirements in HSPA, a communication test set is required for output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSPA are configured according to the β values indicated in below.

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	β_{hs} (1)	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM (2) (dB)	MPR (dB)	AG (4) Index	E-TFCI
1	11 / 15 (3)	15 / 15 (3)	64	11 / 15 (3)	22 / 15	209 / 225	1039 / 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	β_{ed1}: 47/15 β_{ed2}: 47/15	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 (4)	15 / 15 (4)	64	15 / 15 (4)	30 / 15	24 / 15	134 / 15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 8 ⇔ A_{hs} = β_{hs} / β_c = 30 / 15 ⇔ β_{hs} = 30 / 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 signaled gain factors for the reference TFC (TF1, TF1) to β_c = 10 / 15 and β_d = 15 / 15.
Note 4: For subtest 5 the β_c / β_d ratio of 15 / 15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 14 / 15 and β_d = 15 / 15.
Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.
Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

HSPA+ SAR Guidance

The 3G SAR test reduction procedure is applied to HSPA+ (uplink) with 12.2 kbps RMC as the primary mode. Otherwise, when SAR is required for Rel. 6 HSPA, SAR is required for Rel. 7 HSPA+. Power is measured for HSPA+ that supports uplink 16QAM according to configurations in Table C.11.1.4 of 3GPP TS 34.121-1 to determine SAR test reduction.

DC-HSDPA SAR Guidance

The 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Otherwise, when SAR is required for Rel. 5 HSDPA, SAR is required for Rel. 8 DC-HSDPA. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

<Considerations Related to LTE for Setup and Testing>

This device contains LTE transmitter which follows 3GPP standards, supports QPSK, 16QAM, 64QAM and 256QAM modulations, and supported LTE band and channel bandwidth is listed in below. The output power was tested per 3GPP TS 36.521-1 maximum transmit procedures for QPSK, 16QAM, 64QAM and 256QAM modulation. The results please refer to section 4.5 of this report.

EUT Supported LTE Band and Channel Bandwidth						
LTE Band	BW 1.4 MHz	BW 3 MHz	BW 5 MHz	BW 10 MHz	BW 15 MHz	BW 20 MHz
2	V	V	V	V	V	V
4	V	V	V	V	V	V
5	V	V	V	V		
7			V	V	V	V
12	V	V	V	V		
13			V	V		
14			V	V		
17			V	V		
25	V	V	V	V	V	V
26	V	V	V	V	V	
30			V	V		
38			V	V	V	V
41			V	V	V	V

42			**V**	**V**	**V**	**V**
43			**V**	**V**	**V**	**V**
48			**V**	**V**	**V**	**V**
66	**V**	**V**	**V**	**V**	**V**	**V**
71			**V**	**V**	**V**	**V**

The LTE maximum power reduction (MPR) in accordance with 3GPP TS 36.101 is active all times during LTE operation. The allowed MPR for the maximum output power is specified in below.

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

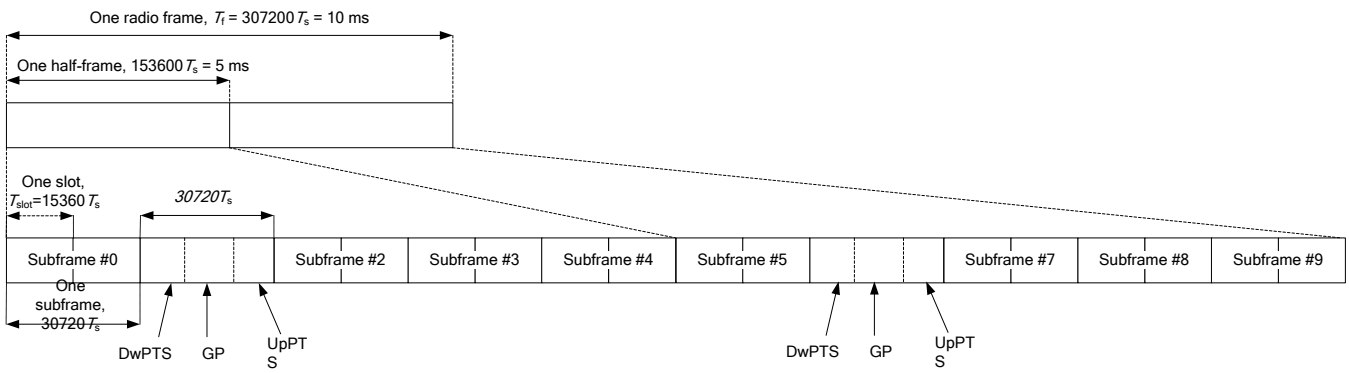
Note: MPR is according to the standard and implemented in the circuit (mandatory).

In addition, the device is compliant with additional maximum power reduction (A-MPR) requirements defined in 3GPP TS 36.101 section 6.2.4 that was disabled for all FCC compliance testing.

During LTE SAR testing, the related parameters of operating band, channel bandwidth, uplink channel number, modulation type, and RB was set in base station simulator. When the EUT has registered and communicated to base station simulator, the simulator set to make EUT transmitting the maximum radiated power.

TDD-LTE Setup Configurations

According to KDB 941225 D05, SAR testing for TDD-LTE device must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD-LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be referred to below.



3GPP TS 36.211 Figure 4.2-1: Frame Structure Type 2

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 • Ts	2192 • Ts	2560 • Ts	7680 • Ts	2192 • Ts	2560 • Ts
1	19760 • Ts			20480 • Ts		
2	21952 • Ts			23040 • Ts		
3	24144 • Ts			25600 • Ts		
4	26336 • Ts			7680 • Ts	4384 • Ts	5120 • Ts
5	6592 • Ts	4384 • Ts	5120 • Ts	20480 • Ts		
6	19760 • Ts			23040 • Ts		
7	21952 • Ts			12800 • Ts		
8	24144 • Ts			-	-	-
9	13168 • Ts			-	-	-

3GPP TS 36.211 Table 4.2-1: Configuration of Special Subframe

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

3GPP TS 36.211 Table 4.2-2: Uplink-Downlink Configurations

The variety of different TDD-LTE uplink-downlink configurations allow a network operator to allocate the network's capacity between uplink and downlink traffic to meet the needs of the network. The uplink duty cycle of these seven configurations can readily be computed and shown in below.

UL-DL Configuration	0	1	2	3	4	5	6
Highest Duty-Cycle	63.33%	43.33%	23.33%	31.67%	21.67%	11.67%	53.33%

Considering the highest transmission duty cycle, TDD-LTE was tested using Uplink-Downlink Configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 7 using extended cyclic prefix uplink. Therefore, SAR testing for TDD-LTE was performed at the maximum output power with highest transmission duty cycle of 63.33%.

LTE Downlink Carrier Aggregation (CA) Setup Configurations

1. LTE Carrier Aggregation (CA) was defined in 3GPP release 10 and higher. The LTE device in CA mode has one Primary Component Carrier (PCC) and one or more Secondary Component Carriers (SCC). PCC acts as the anchor carrier and can optionally cross-schedule data transmission on SCC. The RRC connection is only handled by one cell, the PCC for downlink and uplink communications. After making a data connection to the PCC, the LTE device adds the SCC on the downlink only. All uplink communications and acknowledgements remain identical to release 8 specifications on the PCC. The combinations of downlink carrier aggregation supported by this device are listed below.
2. 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.
3. The gray color table is covered by other combinations and no need to verify power, please refer to appendix D for the measured power.

EUT Supported Combinations of Downlink Carrier Aggregation							
2CC Downlink Carrier Aggregation							
CA_2A-2A	CA_2A-4A	CA_2A-5A	CA_2A-7A	CA_2A-12A	CA_2A-13A	CA_2A-14A	CA_2A-17A
CA_2A-30A	CA_2A-48A	CA_2A-66A	CA_2A-71A	CA_2C	CA_4A-4A	CA_4A-5A	CA_4A-7A
CA_4A-12A	CA_4A-13A	CA_4A-17A	CA_4A-30A	CA_4A-48A	CA_4A-71A	CA_5A-5A	CA_5A-7A
CA_5A-25A	CA_5A-30A	CA_5A-38A	CA_5A-41A	CA_5A-48A	CA_5A-66A	CA_5B	CA_7A-7A
CA_7A-12A	CA_7A-13A	CA_7A-26A	CA_7A-66A	CA_7A-71A	CA_7B	CA_7C	CA_12A-12A
CA_12A-25A	CA_12A-30A	CA_12A-66A	CA_12B	CA_13A-48A	CA_13A-66A	CA_14A-66A	CA_25A-25A
CA_25A-26A	CA_25A-41A	CA_30A-66A	CA_38C	CA_41C	CA_41A-41A	CA_48A-48A	CA_48A-66A
CA_48A-71A	CA_48B	CA_48C	CA_66A-66A	CA_66A-71A	CA_66B	CA_66C	
3CC Downlink Carrier Aggregation							
CA_2A-2A-4A		CA_2A-2A-5A		CA_2A-2A-13A		CA_2A-2A-66A	
CA_2A-2A-71A		CA_2A-4A-4A		CA_2A-4A-5A		CA_2A-4A-13A	
CA_2A-4A-71A		CA_2A-5A-5A		CA_2A-5A-48A		CA_2A-5A-66A	
CA_2A-13A-48A		CA_2A-13A-66A		CA_2A-48A-48A		CA_2A-66A-66A	
CA_2A-66A-71A		CA_2A-5B		CA_2C-5A		CA_4A-4A-5A	
CA_4A-4A-13A		CA_5A-48A-66A		CA_5A-5A-66A		CA_5A-66A-66A	
CA_13A-48A-48A		CA_13A-66A-66A		CA_48A-48A-66A		CA_48A-66A-66A	
CA_48D		CA_66A-66A-66A					
4CC Downlink Carrier Aggregation							
CA_2A-2A-4A-5A		CA_2A-2A-5A-66A		CA_2A-4A-4A-5A		CA_2A-4A-4A-12A	
CA_2A-12A-66A-66A		CA_2A-13A-66A-66A		CA_2A-14A-66A-66A			

<Considerations Related to 5G NR for Setup and Testing>

1. The 5G NR supports both SA and NSA modes. The details are as follows

Mode	Band	Duplex	SCS(KHz)	BW(M)
SA	5G NR n2	FDD	15	5, 10, 15, 20
	5G NR n5	FDD	15	5, 10, 15, 20
	5G NR n7	FDD	15	5, 10, 15, 20, 25, 30, 40
	5G NR n12	FDD	15	5, 10, 15
	5G NR n13	FDD	15	5, 10
	5G NR n14	FDD	15	5, 10
	5G NR n25	FDD	15	5, 10, 15, 20, 25, 30, 40
	5G NR n26	FDD	15	5, 10, 15, 20
	5G NR n30	FDD	15	5, 10
	5G NR n38	TDD	30	10, 15, 20, 30, 40
	5G NR n41	TDD	30	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100
	5G NR n48	TDD	30	10, 20, 30, 40
	5G NR n66	FDD	15	5, 10, 15, 20, 25, 30, 40
	5G NR n71	FDD	15	5, 10, 15, 20
	5G NR n77	TDD	30	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100
	5G NR n78	TDD	30	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100
NSA	5G NR n2	FDD	15	5, 10, 15, 20
	5G NR n5	FDD	15	5, 10, 15, 20
	5G NR n7	FDD	15	5, 10, 15, 20, 25, 30, 40
	5G NR n12	FDD	15	5, 10, 15
	5G NR n13	FDD	15	5, 10
	5G NR n25	FDD	15	5, 10, 15, 20, 25, 30, 40
	5G NR n38	TDD	30	10, 15, 20, 30, 40
	5G NR n41	TDD	30	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100
	5G NR n66	FDD	15	5, 10, 15, 20, 25, 30, 40
	5G NR n71	FDD	15	5, 10, 15, 20
	5G NR n77	TDD	30	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100
	5G NR n78	TDD	30	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100

2. For 5G NR test procedure was following step similar FCC KDB 941225 D05:

(1) 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 KB 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 testing is not required.

(2) For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check

largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not ½ dB higher than the same configuration in the largest supported bandwidth.

(3) SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offset at the upper edge, middle and lower edge of each required test channel.

(4) 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.

(5) 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% RB and 1RB allocations and the highest reported SAR for 1RB 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) Pi/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, Pi/2 BPSK/16QAM/64QAM/256QAM SAR testing are not required.

(7) 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.

Table 6.2.2.3-1: 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[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 0dB MPR is 26dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 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.

3. 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 SAR can represent NSA mode SAR.
4. 5G NR NSA mode, the power level is the same as 5G NR SA mode, so 5G NR NSA mode and SA mode power table only show one time.
5. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection.

4.2 EUT Testing Position

According to KDB 648474 D04, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

4.2.1 Head Exposure Conditions

Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE 1528:2013 using the SAM phantom illustrated as below.

1. Define two imaginary lines on the handset

(a) The vertical centerline passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.

(b) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

(c) 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, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.

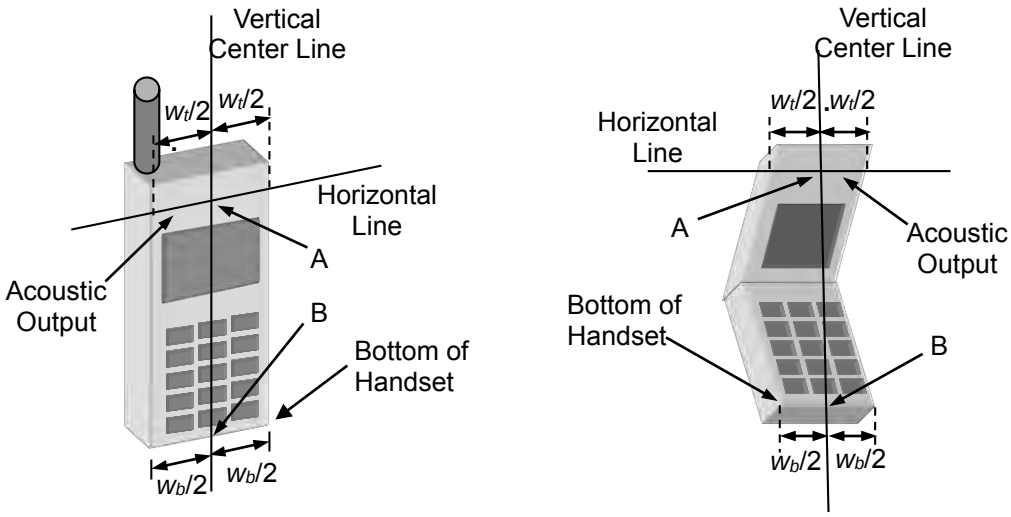


Fig-4.1 Illustration for Handset Vertical and Horizontal Reference Lines

2. Cheek Position

(a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact

with the ear is lost (see Fig-4.2).

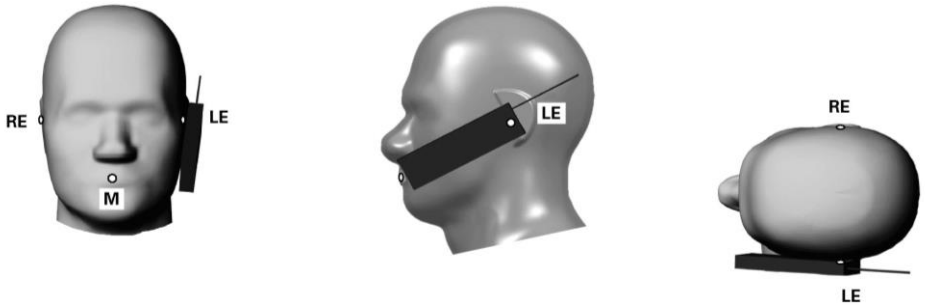


Fig-4.2 Illustration for Cheek Position

3. Tilted Position

(a) To position the device in the “cheek” position described above.

(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost (see Fig-4.3).

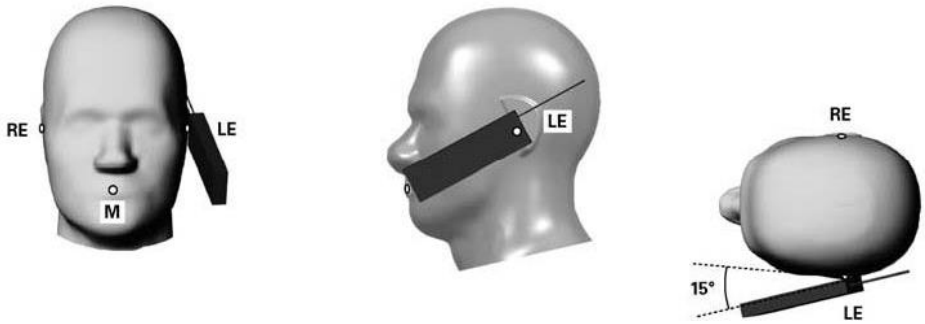


Fig-4.3 Illustration for Tilted Position

4.2.2 Body-worn Accessory Exposure Conditions

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 KDB 447498 D01 are 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 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.

Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required.

A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance <= 5 mm to support compliance.

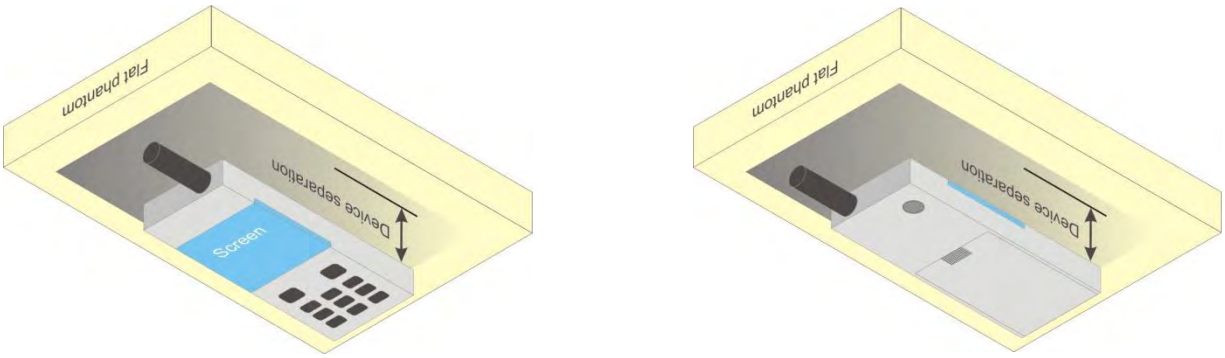
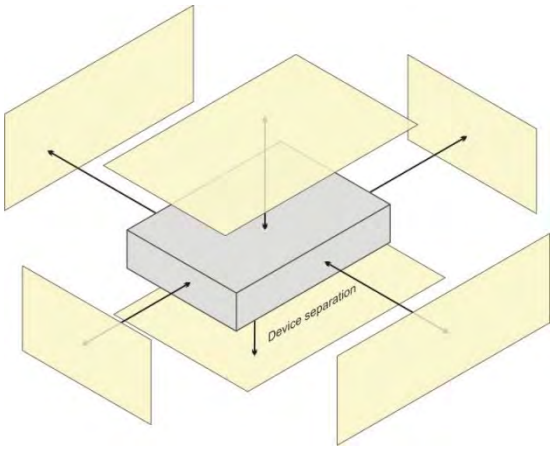


Fig-4.4 Illustration for Body Worn Position

4.2.3 Hotspot Mode Exposure Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225 D06. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



Based on the antenna location shown on appendix E of this report, the SAR testing required for hotspot mode is listed as below.

Antenna	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
WWAN Ant 0	V	V	V	V		V
WWAN Ant 2	V	V		V		
WWAN Ant 5	V	V	V			
WWAN Ant 6	V	V		V		
WWAN Ant 10	V	V	V			
WWAN Ant 11	V	V		V	V	

4.2.4 Extremity Exposure Conditions

For smart phones with a display diagonal dimension > 15 cm or an overall diagonal dimension > 16 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, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance.

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at <= 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g SAR > 1.2 W/kg. The normal tablet procedures in KDB 616217 are required when the over diagonal dimension of the device is > 20 cm. Hotspot mode SAR is not required when normal tablet procedures are applied. Extremity 10-g SAR is also not required for the front (top) surface of large form factor full size tablets. The more conservative tablet SAR results can be used to support the 10-g extremity SAR for phablet mode.
3. The simultaneous transmission operating configurations applicable to voice and data transmissions for both phone and mini-tablet modes must be taken into consideration separately for 1-g and 10-g SAR to determine the simultaneous transmission SAR test exclusion and measurement requirements for the relevant wireless modes and exposure conditions.

4.3 Tissue Verification

The measuring results for tissue simulating liquid are shown as below.

Test Date	Tissue Type	Frequency (MHz)	Liquid Temp. (℃)	Measured Conductivity (σ)	Measured Permittivity (ε_r)	Target Conductivity (σ)	Target Permittivity (ε_r)	Conductivity Deviation (%)	Permittivity Deviation (%)
Apr. 06, 2024	Head	750	22.3	0.909	43.570	0.89	41.90	2.13	3.99
Apr. 07, 2024	Head	750	22.1	0.910	43.143	0.89	41.90	2.25	2.97
Apr. 08, 2024	Head	835	22.6	0.937	43.312	0.90	41.50	4.11	4.37
Apr. 09, 2024	Head	1750	22.4	1.422	41.125	1.37	40.10	3.80	2.56
Apr. 10, 2024	Head	1750	23.7	1.375	40.868	1.37	40.10	0.36	1.92
Apr. 11, 2024	Head	1900	22.5	1.411	40.435	1.40	40.00	0.79	1.09
Apr. 12, 2024	Head	1900	22.2	1.437	38.990	1.40	40.00	2.64	-2.53
Apr. 13, 2024	Head	2300	22.4	1.706	39.503	1.67	39.50	2.16	0.01
Apr. 14, 2024	Head	2600	22.3	1.935	39.092	1.96	39.00	-1.28	0.24
Apr. 15, 2024	Head	2600	22.6	1.986	39.410	1.96	39.00	1.33	1.05
Apr. 16, 2024	Head	2600	22.3	1.891	39.490	1.96	39.00	-3.52	1.26
May. 06, 2024	Head	3500	22.7	3.015	39.768	2.91	37.90	3.61	4.93
May. 08, 2024	Head	3500	22.4	2.794	39.127	2.91	37.90	-3.99	3.24
May. 09, 2024	Head	3500	22.4	2.821	39.678	2.91	37.90	-3.06	4.69
May. 07, 2024	Head	3700	22.8	3.162	39.423	3.21	39.07	-1.58	0.90
May. 10, 2024	Head	3700	22.5	3.110	39.356	3.21	39.07	-3.20	0.73
May. 11, 2024	Head	3700	22.6	3.067	39.530	3.21	39.07	-4.54	1.18

Note:

The dielectric properties of the tissue simulating liquid must be measured within 24 hours before the SAR testing and within ±5% of the target values. Liquid temperature during the SAR testing must be within ±2 ℃

4.4 System Verification

The measuring result for system verification is tabulated as below.

<1g>

Test Date	Mode	Frequency (MHz)	1W Target SAR-1g (W/kg)	Measured SAR-1g (W/kg)	Normalized to 1W SAR-1g (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
Apr. 06, 2024	Head	750	8.45	2.14	8.56	1.30	1200	3873	1389
Apr. 07, 2024	Head	750	8.45	2.19	8.76	3.67	1200	3873	1389
Apr. 08, 2024	Head	835	9.6	2.39	9.56	-0.42	4d265	3873	1389
Apr. 09, 2024	Head	1750	36.6	9.13	36.52	-0.22	1176	3873	1389
Apr. 10, 2024	Head	1750	36.6	8.9	35.60	-2.73	1176	3873	1389
Apr. 11, 2024	Head	1900	39.7	10.2	40.80	2.77	5d159	3873	1389
Apr. 12, 2024	Head	1900	39.7	10.1	40.40	1.76	5d159	3873	1389
Apr. 13, 2024	Head	2300	49.2	12.4	49.60	0.81	1110	3873	1389
Apr. 14, 2024	Head	2600	55.8	14.1	56.40	1.08	1110	3873	1389
Apr. 15, 2024	Head	2600	55.8	13.7	54.80	-1.79	1110	3873	1389
Apr. 16, 2024	Head	2600	55.8	14.4	57.60	3.23	1110	3873	1389
May. 06, 2024	Head	3500	65.5	6.77	67.70	3.36	1111	3873	1389
May. 08, 2024	Head	3500	65.5	6.25	62.50	-4.58	1111	3873	1389
May. 09, 2024	Head	3500	65.5	6.31	63.10	-3.66	1111	3873	1389
May. 07, 2024	Head	3700	66.8	6.36	63.60	-4.79	1082	3873	1389
May. 10, 2024	Head	3700	66.8	6.57	65.70	-1.65	1082	3873	1389
May. 11, 2024	Head	3700	66.8	6.52	65.20	-2.40	1082	3873	1389

<10g>

Test Date	Mode	Frequency (MHz)	1W Target SAR-10g (W/kg)	Measured SAR-10g (W/kg)	Normalized to 1W SAR-10g (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
Apr. 06, 2024	Head	750	5.57	1.43	5.72	2.69	1200	3873	1389
Apr. 07, 2024	Head	750	5.57	1.44	5.76	3.41	1200	3873	1389
Apr. 08, 2024	Head	835	6.25	1.57	6.28	0.48	4d265	3873	1389
Apr. 09, 2024	Head	1750	19.2	4.97	19.88	3.54	1176	3873	1389
Apr. 10, 2024	Head	1750	19.2	4.85	19.40	1.04	1176	3873	1389
Apr. 11, 2024	Head	1900	20.3	5.12	20.48	0.89	5d159	3873	1389
Apr. 12, 2024	Head	1900	20.3	4.98	19.92	-1.87	5d159	3873	1389
Apr. 13, 2024	Head	2300	23	5.87	23.48	2.09	1110	3873	1389
Apr. 14, 2024	Head	2600	24.6	6.24	24.96	1.46	1110	3873	1389
Apr. 15, 2024	Head	2600	24.6	6.02	24.08	-2.11	1110	3873	1389
Apr. 16, 2024	Head	2600	24.6	6.42	25.68	4.39	1110	3873	1389
May. 06, 2024	Head	3500	24.7	2.63	26.30	6.48	1111	3873	1389
May. 08, 2024	Head	3500	24.7	2.37	23.70	-4.05	1111	3873	1389
May. 09, 2024	Head	3500	24.7	2.46	24.60	-0.40	1111	3873	1389
May. 07, 2024	Head	3700	24.4	2.39	23.90	-2.05	1082	3873	1389
May. 10, 2024	Head	3700	24.4	2.51	25.10	2.87	1082	3873	1389
May. 11, 2024	Head	3700	24.4	2.45	24.50	0.41	1082	3873	1389

Note:

Comparing to the reference SAR value provided by SPEAG, the validation data should be within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots can be referred to Appendix A of this report.

4.5 Maximum Output Power

4.5.1 Maximum Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance please refer to Appendix D.

4.5.2 Measured Conducted Power Result

The measuring conducted average power (Unit: dBm) please refer to Appendix D.

4.6 SAR Testing Results

4.6.1 SAR Test Reduction Considerations

<KDB 447498 D01, General RF Exposure Guidance>

Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:

(1) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz

(2) ≤ 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

(3) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

<KDB 941225 D01, 3G SAR Measurement Procedures>

The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ 1/4 dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

<KDB 941225 D05, SAR Evaluation Considerations for LTE Devices>

(1) QPSK with 1 RB and 50% RB allocation

Start with the largest channel bandwidth and measure SAR, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

(2) 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.

(3) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order modulation is

> 1/2 dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

(4) Other channel bandwidth

SAR is required when the highest maximum output power of the smaller channel bandwidth is > 1/2 dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

<KDB 941225 D05, SAR Evaluation Considerations for 5G NR Devices>

(1) 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 KB 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 testing is not required.

(2) For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not ½ dB higher than the same configuration in the largest supported bandwidth.

(3) SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offset at the upper edge, middle and lower edge of each required test channel.

(4) 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.

(5) 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% RB and 1RB allocations and the highest reported SAR for 1RB 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) Pi/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, Pi/2 BPSK/16QAM/64QAM/256QAM SAR testing are not required.

(7) 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.

4.6.2 SAR Results for Head Exposure Condition

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS 2Tx Slot	Right Cheek	189	Ant0	-	-	DSI-1	-	31.5	29.77	-0.08	0.681	-	1.489	1.01
	GSM850	GPRS 2Tx Slot	Right Tilted	189	Ant0	-	-	DSI-1	-	31.5	29.77	-0.19	0.512	-	1.489	0.76
P01	GSM850	GPRS 2Tx Slot	Left Cheek	189	Ant0	-	-	DSI-1	-	31.5	29.77	0.04	0.744	-	1.489	**1.11**
	GSM850	GPRS 2Tx Slot	Left Tilted	189	Ant0	-	-	DSI-1	-	31.5	29.77	0.06	0.625	-	1.489	0.93
	GSM850	GPRS 2Tx Slot	Right Cheek	128	Ant0	-	-	DSI-1	-	31.5	29.54	0.01	0.497	-	1.570	0.78
	GSM850	GPRS 2Tx Slot	Right Cheek	251	Ant0	-	-	DSI-1	-	31.5	29.54	-0.11	0.618	-	1.570	0.97
	GSM850	GPRS 2Tx Slot	Left Cheek	128	Ant0	-	-	DSI-1	-	31.5	29.54	-0.15	0.646	-	1.570	1.01
	GSM850	GPRS 2Tx Slot	Left Cheek	251	Ant0	-	-	DSI-1	-	31.5	29.54	-0.16	0.646	-	1.570	1.01
	GSM850	GPRS 2Tx Slot	Left Tilted	128	Ant0	-	-	DSI-1	-	31.5	29.54	0.01	0.386	-	1.570	0.61
	GSM850	GPRS 2Tx Slot	Left Tilted	251	Ant0	-	-	DSI-1	-	31.5	29.54	-0.02	0.476	-	1.570	0.75
	GSM850	GPRS 2Tx Slot	Right Cheek	189	Ant0	-	-	DSI-2	-	27.0	25.45	-0.04	0.161	-	1.429	0.23
	GSM850	GPRS 2Tx Slot	Right Tilted	189	Ant0	-	-	DSI-2	-	27.0	25.45	-0.08	0.098	-	1.429	0.14
	GSM850	GPRS 2Tx Slot	Left Cheek	189	Ant0	-	-	DSI-2	-	27.0	25.45	0.12	0.171	-	1.429	0.24
	GSM850	GPRS 2Tx Slot	Left Tilted	189	Ant0	-	-	DSI-2	-	27.0	25.45	-0.17	0.126	-	1.429	0.18
P02	GSM1900	GPRS 2Tx Slot	Right Cheek	512	Ant0	-	-	DSI-1/2	-	28.5	27.09	0.02	0.418	-	1.384	**0.58**
	GSM1900	GPRS 2Tx Slot	Right Tilted	512	Ant0	-	-	DSI-1/2	-	28.5	27.09	-0.04	0.200	-	1.384	0.28
	GSM1900	GPRS 2Tx Slot	Left Cheek	512	Ant0	-	-	DSI-1/2	-	28.5	27.09	0.05	0.221	-	1.384	0.31
	GSM1900	GPRS 2Tx Slot	Left Tilted	512	Ant0	-	-	DSI-1/2	-	28.5	27.09	-0.12	0.182	-	1.384	0.25
P03	WCDMA II	RMC12.2K	Right Cheek	9262	Ant0	-	-	DSI-1/2	-	24.0	22.98	0.11	0.416	-	1.265	**0.53**
	WCDMA II	RMC12.2K	Right Tilted	9262	Ant0	-	-	DSI-1/2	-	24.0	22.98	-0.04	0.207	-	1.265	0.26
	WCDMA II	RMC12.2K	Left Cheek	9262	Ant0	-	-	DSI-1/2	-	24.0	22.98	0.03	0.254	-	1.265	0.32
	WCDMA II	RMC12.2K	Left Tilted	9262	Ant0	-	-	DSI-1/2	-	24.0	22.98	-0.19	0.171	-	1.265	0.22
P04	WCDMA IV	RMC12.2K	Right Cheek	1413	Ant0	-	-	DSI-1/2	-	24.0	22.86	0.14	0.507	-	1.300	**0.66**
	WCDMA IV	RMC12.2K	Right Tilted	1413	Ant0	-	-	DSI-1/2	-	24.0	22.86	0.19	0.200	-	1.300	0.26
	WCDMA IV	RMC12.2K	Left Cheek	1413	Ant0	-	-	DSI-1/2	-	24.0	22.86	-0.03	0.285	-	1.300	0.37
	WCDMA IV	RMC12.2K	Left Tilted	1413	Ant0	-	-	DSI-1/2	-	24.0	22.86	0.10	0.169	-	1.300	0.22
	WCDMA V	RMC12.2K	Right Cheek	4182	Ant0	-	-	DSI-1/2	-	24.0	22.94	-0.13	0.263	-	1.276	0.34
	WCDMA V	RMC12.2K	Right Tilted	4182	Ant0	-	-	DSI-1/2	-	24.0	22.94	-0.19	0.196	-	1.276	0.25
P05	WCDMA V	RMC12.2K	Left Cheek	4182	Ant0	-	-	DSI-1/2	-	24.0	22.94	0.01	0.299	-	1.276	**0.38**
	WCDMA V	RMC12.2K	Left Tilted	4182	Ant0	-	-	DSI-1/2	-	24.0	22.94	-0.10	0.262	-	1.276	0.33
	LTE 7	QPSK20M	Right Cheek	21350	Ant6	1	99	DSI-1/2	-	24.0	22.68	0.15	0.221	-	1.355	0.30
	LTE 7	QPSK20M	Right Tilted	21350	Ant6	1	99	DSI-1/2	-	24.0	22.68	0.09	0.042	-	1.355	0.06
	LTE 7	QPSK20M	Left Cheek	21350	Ant6	1	99	DSI-1/2	-	24.0	22.68	0.15	0.054	-	1.355	0.07
	LTE 7	QPSK20M	Left Tilted	21350	Ant6	1	99	DSI-1/2	-	24.0	22.68	0.18	0.000	-	1.355	0.00
	LTE 7	QPSK20M	Right Cheek	21350	Ant6	50	25	DSI-1/2	-	23.0	21.68	-0.08	0.176	-	1.355	0.24
	LTE 7	QPSK20M	Right Tilted	21350	Ant6	50	25	DSI-1/2	-	23.0	21.68	0.11	0.031	-	1.355	0.04
	LTE 7	QPSK20M	Left Cheek	21350	Ant6	50	25	DSI-1/2	-	23.0	21.68	-0.02	0.042	-	1.355	0.06
	LTE 7	QPSK20M	Left Tilted	21350	Ant6	50	25	DSI-1/2	-	23.0	21.68	-0.01	0.000	-	1.355	0.00
	LTE 7	QPSK20M	Right Cheek	21350	Ant10	1	99	DSI-1	-	24.0	22.58	-0.14	0.262	-	1.387	0.36
	LTE 7	QPSK20M	Right Tilted	21350	Ant10	1	99	DSI-1	-	24.0	22.58	-0.08	0.087	-	1.387	0.12
	LTE 7	QPSK20M	Left Cheek	21350	Ant10	1	99	DSI-1	-	24.0	22.58	-0.18	0.721	-	1.387	1.00
	LTE 7	QPSK20M	Left Tilted	21350	Ant10	1	99	DSI-1	-	24.0	22.58	-0.14	0.088	-	1.387	0.12
	LTE 7	QPSK20M	Right Cheek	21350	Ant10	50	25	DSI-1	-	23.0	21.52	0.05	0.184	-	1.406	0.26
	LTE 7	QPSK20M	Right Tilted	21350	Ant10	50	25	DSI-1	-	23.0	21.52	0.04	0.075	-	1.406	0.11
	LTE 7	QPSK20M	Left Cheek	21350	Ant10	50	25	DSI-1	-	23.0	21.52	0.07	0.595	-	1.406	0.84
	LTE 7	QPSK20M	Left Tilted	21350	Ant10	50	25	DSI-1	-	23.0	21.52	0.19	0.066	-	1.406	0.09
	LTE 7	QPSK20M	Left Cheek	20850	Ant10	1	99	DSI-1	-	24.0	22.46	0.18	0.669	-	1.426	0.95
P06	LTE 7	QPSK20M	Left Cheek	21100	Ant10	1	99	DSI-1	-	24.0	22.49	0.04	0.831	-	1.416	**1.18**
	LTE 7	QPSK20M	Left Cheek	20850	Ant10	50	25	DSI-1	-	23.0	21.40	-0.15	0.601	-	1.445	0.87
	LTE 7	QPSK20M	Left Cheek	21100	Ant10	50	25	DSI-1	-	23.0	21.39	-0.06	0.577	-	1.449	0.84
	LTE 7	QPSK20M	Left Cheek	21350	Ant10	100	0	DSI-1	-	23.0	21.46	-0.12	0.599	-	1.426	0.85
	LTE 7	QPSK20M	Right Cheek	21350	Ant10	1	99	DSI-2	-	21.0	19.86	-0.14	0.148	-	1.300	0.19
	LTE 7	QPSK20M	Right Tilted	21350	Ant10	1	99	DSI-2	-	21.0	19.86	0.02	0.046	-	1.300	0.06
	LTE 7	QPSK20M	Left Cheek	21350	Ant10	1	99	DSI-2	-	21.0	19.86	0.15	0.392	-	1.300	0.51
	LTE 7	QPSK20M	Left Tilted	21350	Ant10	1	99	DSI-2	-	21.0	19.86	0.10	0.049	-	1.300	0.06
	LTE 7	QPSK20M	Right Cheek	21350	Ant10	50	25	DSI-2	-	20.0	18.67	-0.06	0.136	-	1.358	0.18
	LTE 7	QPSK20M	Right Tilted	21350	Ant10	50	25	DSI-2	-	20.0	18.67	-0.02	0.042	-	1.358	0.06
	LTE 7	QPSK20M	Left Cheek	21350	Ant10	50	25	DSI-2	-	20.0	18.67	-0.15	0.372	-	1.358	0.51
	LTE 7	QPSK20M	Left Tilted	21350	Ant10	50	25	DSI-2	-	20.0	18.67	0.15	0.033	-	1.358	0.04
P07	LTE 12 / 17	QPSK10M	Right Cheek	23060	Ant0	1	49	DSI-1/2	-	24.0	22.42	0.16	0.226	-	1.439	**0.33**
	LTE 12 / 17	QPSK10M	Right Tilted	23060	Ant0	1	49	DSI-1/2	-	24.0	22.42	-0.19	0.115	-	1.439	0.17
	LTE 12 / 17	QPSK10M	Left Cheek	23060	Ant0	1	49	DSI-1/2	-	24.0	22.42	-0.17	0.091	-	1.439	0.13
	LTE 12 / 17	QPSK10M	Left Tilted	23060	Ant0	1	49	DSI-1/2	-	24.0	22.42	-0.05	0.149	-	1.439	0.21
	LTE 12 / 17	QPSK10M	Right Cheek	23060	Ant0	25	25	DSI-1/2	-	23.0	21.40	-0.14	0.179	-	1.445	0.26
	LTE 12 / 17	QPSK10M	Right Tilted	23060	Ant0	25	25	DSI-1/2	-	23.0	21.40	-0.07	0.103	-	1.445	0.15
	LTE 12 / 17	QPSK10M	Left Cheek	23060	Ant0	25	25	DSI-1/2	-	23.0	21.40	-0.11	0.081	-	1.445	0.12
	LTE 12 / 17	QPSK10M	Left Tilted	23060	Ant0	25	25	DSI-1/2	-	23.0	21.40	-0.11	0.107	-	1.445	0.15
	LTE 13	QPSK10M	Right Cheek	23230	Ant0	1	24	DSI-1/2	-	24.0	22.57	0.03	0.235	-	1.390	0.33
	LTE 13	QPSK10M	Right Tilted	23230	Ant0	1	24	DSI-1/2	-	24.0	22.57	0.12	0.157	-	1.390	0.22
P08	LTE 13	QPSK10M	Left Cheek	23230	Ant0	1	24	DSI-1/2	-	24.0	22.57	-0.04	0.252	-	1.390	**0.35**
	LTE 13	QPSK10M	Left Tilted	23230	Ant0	1	24	DSI-1/2	-	24.0	22.57	0.10	0.174	-	1.390	0.24
	LTE 13	QPSK10M	Right Cheek	23230	Ant0	25	25	DSI-1/2	-	23.0	21.58	0.10	0.182	-	1.387	0.25
	LTE 13	QPSK10M	Right Tilted	23230	Ant0	25	25	DSI-1/2	-	23.0	21.58	0.14	0.114	-	1.387	0.16
	LTE 13	QPSK10M	Left Cheek	23230	Ant0	25	25	DSI-1/2	-	23.0	21.58	0.12	0.180	-	1.387	0.25

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 13	QPSK10M	Left Tilted	23230	Ant0	25	25	DSI-1/2	-	23.0	21.58	0.13	0.140	-	1.387	0.19
	LTE 14	QPSK10M	Right Cheek	23330	Ant0	1	24	DSI-1/2	-	24.0	22.71	-0.19	0.217	-	1.346	0.29
	LTE 14	QPSK10M	Right Tilted	23330	Ant0	1	24	DSI-1/2	-	24.0	22.71	0.18	0.115	-	1.346	0.15
P09	LTE 14	QPSK10M	Left Cheek	23330	Ant0	1	24	DSI-1/2	-	24.0	22.71	0.10	0.224	-	1.346	**0.30**
	LTE 14	QPSK10M	Left Tilted	23330	Ant0	1	24	DSI-1/2	-	24.0	22.71	-0.17	0.158	-	1.346	0.21
	LTE 14	QPSK10M	Right Cheek	23330	Ant0	25	25	DSI-1/2	-	23.0	21.65	-0.08	0.148	-	1.365	0.20
	LTE 14	QPSK10M	Right Tilted	23330	Ant0	25	25	DSI-1/2	-	23.0	21.65	-0.14	0.092	-	1.365	0.13
	LTE 14	QPSK10M	Left Cheek	23330	Ant0	25	25	DSI-1/2	-	23.0	21.65	-0.11	0.209	-	1.365	0.29
	LTE 14	QPSK10M	Left Tilted	23330	Ant0	25	25	DSI-1/2	-	23.0	21.65	-0.06	0.124	-	1.365	0.17
P10	LTE 25 / 2	QPSK20M	Right Cheek	26340	Ant0	1	0	DSI-1/2	-	24.0	22.56	0.04	0.347	-	1.393	**0.48**
	LTE 25 / 2	QPSK20M	Right Tilted	26340	Ant0	1	0	DSI-1/2	-	24.0	22.56	-0.15	0.119	-	1.393	0.17
	LTE 25 / 2	QPSK20M	Left Cheek	26340	Ant0	1	0	DSI-1/2	-	24.0	22.56	0.11	0.224	-	1.393	0.31
	LTE 25 / 2	QPSK20M	Left Tilted	26340	Ant0	1	0	DSI-1/2	-	24.0	22.56	0.03	0.117	-	1.393	0.16
	LTE 25 / 2	QPSK20M	Right Cheek	26340	Ant0	50	0	DSI-1/2	-	23.0	21.65	0.01	0.227	-	1.365	0.31
	LTE 25 / 2	QPSK20M	Right Tilted	26340	Ant0	50	0	DSI-1/2	-	23.0	21.65	0.15	0.104	-	1.365	0.14
	LTE 25 / 2	QPSK20M	Left Cheek	26340	Ant0	50	0	DSI-1/2	-	23.0	21.65	0.05	0.157	-	1.365	0.21
	LTE 25 / 2	QPSK20M	Left Tilted	26340	Ant0	50	0	DSI-1/2	-	23.0	21.65	-0.14	0.100	-	1.365	0.14
	LTE 2	QPSK20M	Right Cheek	18700	Ant2	1	0	DSI-1	-	24.0	22.44	-0.04	0.827	-	1.432	1.18
	LTE 2	QPSK20M	Right Tilted	18700	Ant2	1	0	DSI-1	-	24.0	22.44	0.11	0.263	-	1.432	0.38
	LTE 2	QPSK20M	Left Cheek	18700	Ant2	1	0	DSI-1	-	24.0	22.44	0.11	0.520	-	1.432	0.74
	LTE 2	QPSK20M	Left Tilted	18700	Ant2	1	0	DSI-1	-	24.0	22.44	-0.07	0.247	-	1.432	0.35
	LTE 2	QPSK20M	Right Cheek	18700	Ant2	50	25	DSI-1	-	23.0	21.42	0.17	0.612	-	1.439	0.88
	LTE 2	QPSK20M	Right Tilted	18700	Ant2	50	25	DSI-1	-	23.0	21.42	-0.09	0.197	-	1.439	0.28
	LTE 2	QPSK20M	Left Cheek	18700	Ant2	50	25	DSI-1	-	23.0	21.42	0.13	0.414	-	1.439	0.60
	LTE 2	QPSK20M	Left Tilted	18700	Ant2	50	25	DSI-1	-	23.0	21.42	0.14	0.175	-	1.439	0.25
P11	LTE 2	QPSK20M	Right Cheek	18900	Ant2	1	0	DSI-1	-	24.0	21.34	0.06	0.742	-	1.845	**1.37**
	LTE 2	QPSK20M	Right Cheek	19100	Ant2	1	0	DSI-1	-	24.0	21.32	-0.10	0.722	-	1.854	1.34
	LTE 2	QPSK20M	Right Cheek	18900	Ant2	50	25	DSI-1	-	23.0	21.37	-0.01	0.588	-	1.455	0.86
	LTE 2	QPSK20M	Right Cheek	19100	Ant2	50	25	DSI-1	-	23.0	21.35	0.08	0.580	-	1.462	0.85
	LTE 2	QPSK20M	Right Cheek	18700	Ant2	100	0	DSI-1	-	23.0	21.40	0.03	0.596	-	1.445	0.86
	LTE 2	QPSK20M	Right Cheek	18700	Ant2	1	0	DSI-2	-	21.0	19.42	-0.01	0.370	-	1.439	0.53
	LTE 2	QPSK20M	Right Tilted	18700	Ant2	1	0	DSI-2	-	21.0	19.42	0.10	0.131	-	1.439	0.19
	LTE 2	QPSK20M	Left Cheek	18700	Ant2	1	0	DSI-2	-	21.0	19.42	-0.19	0.267	-	1.439	0.38
	LTE 2	QPSK20M	Left Tilted	18700	Ant2	1	0	DSI-2	-	21.0	19.42	-0.01	0.128	-	1.439	0.18
	LTE 2	QPSK20M	Right Cheek	18700	Ant2	50	25	DSI-2	-	20.0	18.37	-0.18	0.359	-	1.455	0.52
	LTE 2	QPSK20M	Right Tilted	18700	Ant2	50	25	DSI-2	-	20.0	18.37	0.05	0.114	-	1.455	0.17
	LTE 2	QPSK20M	Left Cheek	18700	Ant2	50	25	DSI-2	-	20.0	18.37	0.09	0.244	-	1.455	0.36
	LTE 2	QPSK20M	Left Tilted	18700	Ant2	50	25	DSI-2	-	20.0	18.37	-0.16	0.114	-	1.455	0.17
	LTE 26 / 5	QPSK15M	Right Cheek	26765	Ant0	1	0	DSI-1/2	-	24.0	22.21	-0.11	0.197	-	1.510	0.30
	LTE 26 / 5	QPSK15M	Right Tilted	26765	Ant0	1	0	DSI-1/2	-	24.0	22.21	-0.09	0.144	-	1.510	0.22
P12	LTE 26 / 5	QPSK15M	Left Cheek	26765	Ant0	1	0	DSI-1/2	-	24.0	22.21	0.19	0.265	-	1.510	**0.40**
	LTE 26 / 5	QPSK15M	Left Tilted	26765	Ant0	1	0	DSI-1/2	-	24.0	22.21	-0.01	0.177	-	1.510	0.27
	LTE 26 / 5	QPSK15M	Right Cheek	26765	Ant0	36	39	DSI-1/2	-	23.0	21.28	0.17	0.163	-	1.486	0.24
	LTE 26 / 5	QPSK15M	Right Tilted	26765	Ant0	36	39	DSI-1/2	-	23.0	21.28	0.10	0.107	-	1.486	0.16
	LTE 26 / 5	QPSK15M	Left Cheek	26765	Ant0	36	39	DSI-1/2	-	23.0	21.28	-0.16	0.240	-	1.486	0.36
	LTE 26 / 5	QPSK15M	Left Tilted	26765	Ant0	36	39	DSI-1/2	-	23.0	21.28	0.02	0.142	-	1.486	0.21
	LTE 30	QPSK10M	Right Cheek	27710	Ant10	1	24	DSI-1	-	24.0	23.16	-0.02	0.292	-	1.213	0.35
	LTE 30	QPSK10M	Right Tilted	27710	Ant10	1	24	DSI-1	-	24.0	23.16	0.15	0.173	-	1.213	0.21
P13	LTE 30	QPSK10M	Left Cheek	27710	Ant10	1	24	DSI-1	-	24.0	23.16	-0.15	0.603	-	1.213	**0.73**
	LTE 30	QPSK10M	Left Tilted	27710	Ant10	1	24	DSI-1	-	24.0	23.16	-0.16	0.149	-	1.213	0.18
	LTE 30	QPSK10M	Right Cheek	27710	Ant10	25	12	DSI-1	-	23.0	22.13	0.01	0.235	-	1.222	0.29
	LTE 30	QPSK10M	Right Tilted	27710	Ant10	25	12	DSI-1	-	23.0	22.13	-0.15	0.137	-	1.222	0.17
	LTE 30	QPSK10M	Left Cheek	27710	Ant10	25	12	DSI-1	-	23.0	22.13	0.17	0.483	-	1.222	0.59
	LTE 30	QPSK10M	Left Tilted	27710	Ant10	25	12	DSI-1	-	23.0	22.13	0.11	0.119	-	1.222	0.15
	LTE 30	QPSK10M	Right Cheek	27710	Ant10	1	24	DSI-2	-	22.0	21.14	0.00	0.234	-	1.219	0.29
	LTE 30	QPSK10M	Right Tilted	27710	Ant10	1	24	DSI-2	-	22.0	21.14	-0.02	0.110	-	1.219	0.13
	LTE 30	QPSK10M	Left Cheek	27710	Ant10	1	24	DSI-2	-	22.0	21.14	0.16	0.415	-	1.219	0.51
	LTE 30	QPSK10M	Left Tilted	27710	Ant10	1	24	DSI-2	-	22.0	21.14	-0.01	0.131	-	1.219	0.16
	LTE 30	QPSK10M	Right Cheek	27710	Ant10	25	12	DSI-2	-	21.0	20.15	0.03	0.187	-	1.216	0.23
	LTE 30	QPSK10M	Right Tilted	27710	Ant10	25	12	DSI-2	-	21.0	20.15	-0.16	0.091	-	1.216	0.11
	LTE 30	QPSK10M	Left Cheek	27710	Ant10	25	12	DSI-2	-	21.0	20.15	0.14	0.282	-	1.216	0.34
	LTE 30	QPSK10M	Left Tilted	27710	Ant10	25	12	DSI-2	-	21.0	20.15	0.08	0.105	-	1.216	0.13
	LTE 30	QPSK10M	Right Cheek	27710	Ant6	1	24	DSI-1/2	-	24.0	23.11	-0.16	0.039	-	1.227	0.05
	LTE 30	QPSK10M	Right Tilted	27710	Ant6	1	24	DSI-1/2	-	24.0	23.11	0.16	0.000	-	1.227	0.00
	LTE 30	QPSK10M	Left Cheek	27710	Ant6	1	24	DSI-1/2	-	24.0	23.11	-0.12	0.000	-	1.227	0.00
	LTE 30	QPSK10M	Left Tilted	27710	Ant6	1	24	DSI-1/2	-	24.0	23.11	0.02	0.000	-	1.227	0.00
	LTE 30	QPSK10M	Right Cheek	27710	Ant6	25	25	DSI-1/2	-	23.0	21.98	0.14	0.028	-	1.265	0.03
	LTE 30	QPSK10M	Right Tilted	27710	Ant6	25	25	DSI-1/2	-	23.0	21.98	0.05	0.000	-	1.265	0.00
	LTE 30	QPSK10M	Left Cheek	27710	Ant6	25	25	DSI-1/2	-	23.0	21.98	0.13	0.000	-	1.265	0.00
	LTE 30	QPSK10M	Left Tilted	27710	Ant6	25	25	DSI-1/2	-	23.0	21.98	-0.07	0.000	-	1.265	0.00
P14	LTE 38	QPSK20M	Right Cheek	38150	Ant6	1	50	DSI-1/2	62.9	24.0	22.79	0.08	0.168	1.006	1.321	**0.22**
	LTE 38	QPSK20M	Right Tilted	38150	Ant6	1	50	DSI-1/2	62.9	24.0	22.79	0.14	0.047	1.006	1.321	0.06
	LTE 38	QPSK20M	Left Cheek	38150	Ant6	1	50	DSI-1/2	62.9	24.0	22.79	-0.02	0.054	1.006	1.321	0.07
	LTE 38	QPSK20M	Left Tilted	38150	Ant6	1	50	DSI-1/2	62.9	24.0	22.79	0.05	0.053	1.006	1.321	0.07
	LTE 38	QPSK20M	Right Cheek	38150	Ant6	50	50	DSI-1/2	62.9	23.0	21.80	-0.15	0.119	1.006	1.318	0.16
	LTE 38	QPSK20M	Right Tilted	38150	Ant6	50	50	DSI-1/2	62.9	23.0	21.80	0.14	0.042	1.006	1.318	0.06
	LTE 38	QPSK20M	Left Cheek	38150	Ant6	50	50	DSI-1/2	62.9	23.0	21.80	-0.06	0.044	1.006	1.318	0.06
	LTE 38	QPSK20M	Left Tilted	38150	Ant6	50	50	DSI-1/2	62.9	23.0	21.80	-0.03	0.042	1.006	1.318	0.06

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 41	QPSK20M	Right Cheek	41490	Ant10	1	0	DSI-1/2	62.9	24.0	23.30	-0.07	0.128	1.006	1.175	0.15
	LTE 41	QPSK20M	Right Tilted	41490	Ant10	1	0	DSI-1/2	62.9	24.0	23.30	-0.06	0.057	1.006	1.175	0.07
P15	LTE 41	QPSK20M	Left Cheek	41490	Ant10	1	0	DSI-1/2	62.9	24.0	23.30	0.09	0.313	1.006	1.175	**0.37**
	LTE 41	QPSK20M	Left Tilted	41490	Ant10	1	0	DSI-1/2	62.9	24.0	23.30	-0.14	0.061	1.006	1.175	0.07
	LTE 41	QPSK20M	Right Cheek	41490	Ant10	50	0	DSI-1/2	62.9	23.0	22.24	-0.06	0.107	1.006	1.191	0.13
	LTE 41	QPSK20M	Right Tilted	41490	Ant10	50	0	DSI-1/2	62.9	23.0	22.24	0.01	0.050	1.006	1.191	0.06
	LTE 41	QPSK20M	Left Cheek	41490	Ant10	50	0	DSI-1/2	62.9	23.0	22.24	-0.16	0.294	1.006	1.191	0.35
	LTE 41	QPSK20M	Left Tilted	41490	Ant10	50	0	DSI-1/2	62.9	23.0	22.24	0.12	0.051	1.006	1.191	0.06
	LTE 42	QPSK20M	Right Cheek	42590	Ant11	1	0	DSI-1	62.9	24.0	23.23	-0.15	0.399	1.006	1.194	0.48
	LTE 42	QPSK20M	Right Tilted	42590	Ant11	1	0	DSI-1	62.9	24.0	23.23	0.16	0.140	1.006	1.194	0.17
	LTE 42	QPSK20M	Left Cheek	42590	Ant11	1	0	DSI-1	62.9	24.0	23.23	0.11	0.930	1.006	1.194	**1.12**
P16	LTE 42	QPSK20M	Left Tilted	42590	Ant11	1	0	DSI-1	62.9	22.0	23.23	-0.03	0.183	1.006	0.753	0.14
	LTE 42	QPSK20M	Right Cheek	42590	Ant11	50	0	DSI-1	62.9	23.0	22.25	-0.01	0.336	1.006	1.189	0.40
	LTE 42	QPSK20M	Right Tilted	42590	Ant11	50	0	DSI-1	62.9	23.0	22.25	0.03	0.116	1.006	1.189	0.14
	LTE 42	QPSK20M	Left Cheek	42590	Ant11	50	0	DSI-1	62.9	23.0	22.25	0.07	0.528	1.006	1.189	0.63
	LTE 42	QPSK20M	Left Tilted	42590	Ant11	50	0	DSI-1	62.9	23.0	22.25	0.17	0.151	1.006	1.189	0.18
	LTE 42	QPSK20M	Left Cheek	42190	Ant11	1	0	DSI-1	62.9	24.0	23.05	0.03	0.664	1.006	1.245	0.83
	LTE 42	QPSK20M	Left Cheek	42990	Ant11	1	0	DSI-1	62.9	24.0	23.17	0.11	0.826	1.006	1.211	1.01
	LTE 42	QPSK20M	Left Cheek	42590	Ant11	100	0	DSI-1	62.9	23.0	22.10	0.01	0.533	1.006	1.230	0.66
	LTE 42	QPSK20M	Right Cheek	42590	Ant11	1	0	DSI-2	62.9	22.0	21.21	-0.13	0.191	1.006	1.199	0.23
	LTE 42	QPSK20M	Right Tilted	42590	Ant11	1	0	DSI-2	62.9	22.0	21.21	-0.11	0.058	1.006	1.199	0.07
	LTE 42	QPSK20M	Left Cheek	42590	Ant11	1	0	DSI-2	62.9	22.0	21.21	-0.01	0.426	1.006	1.199	0.51
	LTE 42	QPSK20M	Left Tilted	42590	Ant11	1	0	DSI-2	62.9	22.0	21.21	0.08	0.152	1.006	1.199	0.18
	LTE 42	QPSK20M	Right Cheek	42590	Ant11	50	0	DSI-2	62.9	21.0	20.16	0.02	0.180	1.006	1.213	0.22
	LTE 42	QPSK20M	Right Tilted	42590	Ant11	50	0	DSI-2	62.9	21.0	20.16	-0.01	0.075	1.006	1.213	0.09
	LTE 42	QPSK20M	Left Cheek	42590	Ant11	50	0	DSI-2	62.9	21.0	20.16	0.12	0.232	1.006	1.213	0.28
	LTE 42	QPSK20M	Left Tilted	42590	Ant11	50	0	DSI-2	62.9	21.0	20.16	-0.18	0.141	1.006	1.213	0.17
	LTE 48 / 43	QPSK20M	Right Cheek	56640	Ant11	1	50	DSI-1	62.9	24.0	23.26	0.19	0.446	1.006	1.186	0.53
	LTE 48 / 43	QPSK20M	Right Tilted	56640	Ant11	1	50	DSI-1	62.9	24.0	23.26	0.11	0.128	1.006	1.186	0.15
P17	LTE 48 / 43	QPSK20M	Left Cheek	56640	Ant11	1	50	DSI-1	62.9	24.0	23.26	0.11	0.818	1.006	1.186	**0.98**
	LTE 48 / 43	QPSK20M	Left Tilted	56640	Ant11	1	50	DSI-1	62.9	24.0	23.26	0.12	0.168	1.006	1.186	0.20
	LTE 48 / 43	QPSK20M	Right Cheek	56640	Ant11	50	0	DSI-1	62.9	23.0	22.36	0.09	0.358	1.006	1.159	0.42
	LTE 48 / 43	QPSK20M	Right Tilted	56640	Ant11	50	0	DSI-1	62.9	23.0	22.36	-0.12	0.104	1.006	1.159	0.12
	LTE 48 / 43	QPSK20M	Left Cheek	56640	Ant11	50	0	DSI-1	62.9	23.0	22.36	-0.10	0.569	1.006	1.159	0.66
	LTE 48 / 43	QPSK20M	Left Tilted	56640	Ant11	50	0	DSI-1	62.9	23.0	22.36	-0.17	0.135	1.006	1.159	0.16
	LTE 48 / 43	QPSK20M	Left Cheek	55340	Ant11	1	50	DSI-1	62.9	24.0	23.09	0.17	0.696	1.006	1.233	0.86
	LTE 48 / 43	QPSK20M	Left Cheek	55830	Ant11	1	50	DSI-1	62.9	24.0	23.05	-0.18	0.655	1.006	1.245	0.82
	LTE 48 / 43	QPSK20M	Left Cheek	56150	Ant11	1	50	DSI-1	62.9	24.0	23.21	0.06	0.664	1.006	1.199	0.80
	LTE 48 / 43	QPSK20M	Left Cheek	56640	Ant11	100	0	DSI-1	62.9	23.0	22.19	0.13	0.508	1.006	1.205	0.62
	LTE 48 / 43	QPSK20M	Right Cheek	56640	Ant11	1	50	DSI-2	62.9	22.0	21.22	-0.10	0.299	1.006	1.197	0.36
	LTE 48 / 43	QPSK20M	Right Tilted	56640	Ant11	1	50	DSI-2	62.9	22.0	21.22	0.13	0.096	1.006	1.197	0.12
	LTE 48 / 43	QPSK20M	Left Cheek	56640	Ant11	1	50	DSI-2	62.9	22.0	21.22	-0.17	0.423	1.006	1.197	0.51
	LTE 48 / 43	QPSK20M	Left Tilted	56640	Ant11	1	50	DSI-2	62.9	22.0	21.22	0.10	0.129	1.006	1.197	0.16
	LTE 48 / 43	QPSK20M	Right Cheek	56640	Ant11	50	0	DSI-2	62.9	21.0	20.29	0.06	0.244	1.006	1.178	0.29
	LTE 48 / 43	QPSK20M	Right Tilted	56640	Ant11	50	0	DSI-2	62.9	21.0	20.29	0.02	0.075	1.006	1.178	0.09
	LTE 48 / 43	QPSK20M	Left Cheek	56640	Ant11	50	0	DSI-2	62.9	21.0	20.29	-0.12	0.366	1.006	1.178	0.43
	LTE 48 / 43	QPSK20M	Left Tilted	56640	Ant11	50	0	DSI-2	62.9	21.0	20.29	0.05	0.107	1.006	1.178	0.13
	LTE 66 / 4	QPSK20M	Right Cheek	132322	Ant0	1	0	DSI-1/2	-	24.0	22.53	0.03	0.448	-	1.403	0.63
	LTE 66 / 4	QPSK20M	Right Tilted	132322	Ant0	1	0	DSI-1/2	-	24.0	22.53	-0.05	0.186	-	1.403	0.26
	LTE 66 / 4	QPSK20M	Left Cheek	132322	Ant0	1	0	DSI-1/2	-	24.0	22.53	0.04	0.254	-	1.403	0.36
	LTE 66 / 4	QPSK20M	Left Tilted	132322	Ant0	1	0	DSI-1/2	-	24.0	22.53	-0.15	0.159	-	1.403	0.22
	LTE 66 / 4	QPSK20M	Right Cheek	132322	Ant0	50	50	DSI-1/2	-	23.0	21.54	-0.17	0.307	-	1.400	0.43
	LTE 66 / 4	QPSK20M	Right Tilted	132322	Ant0	50	50	DSI-1/2	-	23.0	21.54	0.14	0.147	-	1.400	0.21
	LTE 66 / 4	QPSK20M	Left Cheek	132322	Ant0	50	50	DSI-1/2	-	23.0	21.54	-0.15	0.203	-	1.400	0.28
	LTE 66 / 4	QPSK20M	Left Tilted	132322	Ant0	50	50	DSI-1/2	-	23.0	21.54	0.18	0.132	-	1.400	0.18
P18	LTE 66	QPSK20M	Right Cheek	132322	Ant2	1	0	DSI-1	-	22.0	20.45	-0.15	0.659	-	1.429	**0.94**
	LTE 66	QPSK20M	Right Tilted	132322	Ant2	1	0	DSI-1	-	22.0	20.45	0.07	0.207	-	1.429	0.30
	LTE 66	QPSK20M	Left Cheek	132322	Ant2	1	0	DSI-1	-	22.0	20.45	0.10	0.467	-	1.429	0.67
	LTE 66	QPSK20M	Left Tilted	132322	Ant2	1	0	DSI-1	-	22.0	20.45	0.14	0.228	-	1.429	0.33
	LTE 66	QPSK20M	Right Cheek	132322	Ant2	50	25	DSI-1	-	21.0	19.57	0.15	0.671	-	1.390	0.93
	LTE 66	QPSK20M	Right Tilted	132322	Ant2	50	25	DSI-1	-	21.0	19.57	-0.07	0.203	-	1.390	0.28
	LTE 66	QPSK20M	Left Cheek	132322	Ant2	50	25	DSI-1	-	21.0	19.57	-0.05	0.469	-	1.390	0.65
	LTE 66	QPSK20M	Left Tilted	132322	Ant2	50	25	DSI-1	-	21.0	19.57	-0.05	0.229	-	1.390	0.32
	LTE 66	QPSK20M	Right Cheek	132072	Ant2	1	0	DSI-1	-	22.0	20.42	0.08	0.600	-	1.445	0.87
	LTE 66	QPSK20M	Right Cheek	132572	Ant2	1	0	DSI-1	-	22.0	20.35	-0.12	0.545	-	1.462	0.80
	LTE 66	QPSK20M	Right Cheek	132072	Ant2	50	25	DSI-1	-	21.0	19.45	0.04	0.589	-	1.445	0.85
	LTE 66	QPSK20M	Right Cheek	132572	Ant2	50	25	DSI-1	-	21.0	19.33	-0.19	0.632	-	1.462	0.92
	LTE 66	QPSK20M	Right Cheek	132322	Ant2	100	0	DSI-1	-	21.0	19.46	0.12	0.565	-	1.422	0.80
	LTE 66	QPSK20M	Right Cheek	132322	Ant2	1	0	DSI-2	-	19.0	17.45	0.17	0.328	-	1.429	0.47
	LTE 66	QPSK20M	Right Tilted	132322	Ant2	1	0	DSI-2	-	19.0	17.45	-0.08	0.113	-	1.429	0.16
	LTE 66	QPSK20M	Left Cheek	132322	Ant2	1	0	DSI-2	-	19.0	17.45	-0.07	0.280	-	1.429	0.40
	LTE 66	QPSK20M	Left Tilted	132322	Ant2	1	0	DSI-2	-	19.0	17.45	-0.06	0.121	-	1.429	0.17
	LTE 66	QPSK20M	Right Cheek	132322	Ant2	50	25	DSI-2	-	18.0	16.39	-0.08	0.317	-	1.449	0.46
	LTE 66	QPSK20M	Right Tilted	132322	Ant2	50	25	DSI-2	-	18.0	16.39	-0.02	0.106	-	1.449	0.15
	LTE 66	QPSK20M	Left Cheek	132322	Ant2	50	25	DSI-2	-	18.0	16.39	-0.01	0.266	-	1.449	0.39
	LTE 66	QPSK20M	Left Tilted	132322	Ant2	50	25	DSI-2	-	18.0	16.39	0.13	0.116	-	1.449	0.17
	LTE 71	QPSK20M	Right Cheek	133222	Ant0	1	0	DSI-1/2	-	24.0	22.37	0.13	0.193	-	1.455	0.28
	LTE 71	QPSK20M	Right Tilted	133222	Ant0	1	0	DSI-1/2	-	24.0	22.37	0.09	0.111	-	1.455	0.16

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P19	LTE 71	QPSK20M	Left Cheek	133222	Ant0	1	0	DSI-1/2	-	24.0	22.37	-0.18	0.207	-	1.455	**0.30**
	LTE 71	QPSK20M	Left Tilted	133222	Ant0	1	0	DSI-1/2	-	24.0	22.37	0.07	0.117	-	1.455	0.17
	LTE 71	QPSK20M	Right Cheek	133222	Ant0	50	25	DSI-1/2	-	23.0	21.29	0.14	0.147	-	1.483	0.22
	LTE 71	QPSK20M	Right Tilted	133222	Ant0	50	25	DSI-1/2	-	23.0	21.29	-0.02	0.095	-	1.483	0.14
	LTE 71	QPSK20M	Left Cheek	133222	Ant0	50	25	DSI-1/2	-	23.0	21.29	0.11	0.171	-	1.483	0.25
	LTE 71	QPSK20M	Left Tilted	133222	Ant0	50	25	DSI-1/2	-	23.0	21.29	0.00	0.096	-	1.483	0.14
	n7	DFT-QPSK25M	Right Cheek	511500	Ant6	1	1	DSI-1/2	100	24.0	23.59	0.14	0.312	-	1.099	0.34
	n7	DFT-QPSK25M	Right Tilted	511500	Ant6	1	1	DSI-1/2	100	24.0	23.59	-0.07	0.078	-	1.099	0.09
	n7	DFT-QPSK25M	Left Cheek	511500	Ant6	1	1	DSI-1/2	100	24.0	23.59	-0.01	0.095	-	1.099	0.10
	n7	DFT-QPSK25M	Left Tilted	511500	Ant6	1	1	DSI-1/2	100	24.0	23.59	-0.18	0.083	-	1.099	0.09
	n7	DFT-QPSK25M	Right Cheek	511500	Ant6	64	32	DSI-1/2	100	24.0	23.16	-0.15	0.310	-	1.213	0.38
	n7	DFT-QPSK25M	Right Tilted	511500	Ant6	64	32	DSI-1/2	100	24.0	23.16	0.06	0.074	-	1.213	0.09
	n7	DFT-QPSK25M	Left Cheek	511500	Ant6	64	32	DSI-1/2	100	24.0	23.16	0.14	0.099	-	1.213	0.12
	n7	DFT-QPSK25M	Left Tilted	511500	Ant6	64	32	DSI-1/2	100	24.0	23.16	-0.16	0.085	-	1.213	0.10
	n7	DFT-QPSK25M	Right Cheek	511500	Ant10	1	1	DSI-1	100	24.0	23.33	0.13	0.218	-	1.167	0.25
	n7	DFT-QPSK25M	Right Tilted	511500	Ant10	1	1	DSI-1	100	24.0	23.33	-0.08	0.113	-	1.167	0.13
	n7	DFT-QPSK25M	Left Cheek	511500	Ant10	1	1	DSI-1	100	24.0	23.33	-0.16	0.712	-	1.167	0.83
	n7	DFT-QPSK25M	Left Tilted	511500	Ant10	1	1	DSI-1	100	24.0	23.33	-0.04	0.096	-	1.167	0.11
	n7	DFT-QPSK25M	Right Cheek	511500	Ant10	64	32	DSI-1	100	24.0	23.18	-0.17	0.213	-	1.208	0.26
	n7	DFT-QPSK25M	Right Tilted	511500	Ant10	64	32	DSI-1	100	24.0	23.18	-0.02	0.088	-	1.208	0.11
	n7	DFT-QPSK25M	Left Cheek	511500	Ant10	64	32	DSI-1	100	24.0	23.18	0.02	0.678	-	1.208	0.82
	n7	DFT-QPSK25M	Left Tilted	511500	Ant10	64	32	DSI-1	100	24.0	23.18	0.18	0.067	-	1.208	0.08
	n7	DFT-QPSK25M	Left Cheek	502500	Ant10	1	1	DSI-1	100	24.0	23.31	-0.19	0.656	-	1.172	0.77
	n7	DFT-QPSK25M	Left Cheek	507000	Ant10	1	1	DSI-1	100	24.0	23.13	-0.06	0.688	-	1.222	0.84
	n7	DFT-QPSK25M	Left Cheek	502500	Ant10	64	32	DSI-1	100	24.0	22.97	0.02	0.623	-	1.268	0.79
	n7	DFT-QPSK25M	Left Cheek	507000	Ant10	64	32	DSI-1	100	24.0	23.03	0.02	0.646	-	1.250	0.81
P20	n7	DFT-QPSK25M	Left Cheek	511500	Ant10	128	0	DSI-1	100	24.0	22.12	-0.08	0.611	-	1.542	**0.94**
	n7	DFT-QPSK25M	Right Cheek	511500	Ant10	1	1	DSI-2	100	22.0	21.29	0.00	0.139	-	1.178	0.16
	n7	DFT-QPSK25M	Right Tilted	511500	Ant10	1	1	DSI-2	100	22.0	21.29	0.01	0.075	-	1.178	0.09
	n7	DFT-QPSK25M	Left Cheek	511500	Ant10	1	1	DSI-2	100	22.0	21.29	-0.15	0.434	-	1.178	0.51
	n7	DFT-QPSK25M	Left Tilted	511500	Ant10	1	1	DSI-2	100	22.0	21.29	-0.12	0.057	-	1.178	0.07
	n7	DFT-QPSK25M	Right Cheek	511500	Ant10	64	32	DSI-2	100	22.0	21.13	0.08	0.141	-	1.222	0.17
	n7	DFT-QPSK25M	Right Tilted	511500	Ant10	64	32	DSI-2	100	22.0	21.13	-0.18	0.060	-	1.222	0.07
	n7	DFT-QPSK25M	Left Cheek	511500	Ant10	64	32	DSI-2	100	22.0	21.13	0.12	0.403	-	1.222	0.49
	n7	DFT-QPSK25M	Left Tilted	511500	Ant10	64	32	DSI-2	100	22.0	21.13	0.10	0.050	-	1.222	0.06
	n12	DFT-QPSK15M	Right Cheek	141300	Ant0	1	1	DSI-1/2	100	24.0	23.14	-0.08	0.227	-	1.219	0.28
	n12	DFT-QPSK15M	Right Tilted	141300	Ant0	1	1	DSI-1/2	100	24.0	23.14	-0.12	0.153	-	1.219	0.19
P21	n12	DFT-QPSK15M	Left Cheek	141300	Ant0	1	1	DSI-1/2	100	24.0	23.14	0.02	0.332	-	1.219	**0.40**
	n12	DFT-QPSK15M	Left Tilted	141300	Ant0	1	1	DSI-1/2	100	24.0	23.14	0.17	0.159	-	1.219	0.19
	n12	DFT-QPSK15M	Right Cheek	141300	Ant0	36	22	DSI-1/2	100	24.0	22.92	0.16	0.219	-	1.282	0.28
	n12	DFT-QPSK15M	Right Tilted	141300	Ant0	36	22	DSI-1/2	100	24.0	22.92	-0.01	0.152	-	1.282	0.19
	n12	DFT-QPSK15M	Left Cheek	141300	Ant0	36	22	DSI-1/2	100	24.0	22.92	0.17	0.309	-	1.282	0.40
	n12	DFT-QPSK15M	Left Tilted	141300	Ant0	36	22	DSI-1/2	100	24.0	22.92	0.00	0.158	-	1.282	0.20
	n13	DFT-QPSK10M	Right Cheek	156400	Ant0	1	1	DSI-1/2	100	24.0	23.43	-0.18	0.162	-	1.140	0.18
	n13	DFT-QPSK10M	Right Tilted	156400	Ant0	1	1	DSI-1/2	100	24.0	23.43	-0.14	0.097	-	1.140	0.11
	n13	DFT-QPSK10M	Left Cheek	156400	Ant0	1	1	DSI-1/2	100	24.0	23.43	-0.02	0.301	-	1.140	0.34
	n13	DFT-QPSK10M	Left Tilted	156400	Ant0	1	1	DSI-1/2	100	24.0	23.43	-0.02	0.126	-	1.140	0.14
	n13	DFT-QPSK10M	Right Cheek	156400	Ant0	25	14	DSI-1/2	100	24.0	23.26	0.02	0.160	-	1.186	0.19
	n13	DFT-QPSK10M	Right Tilted	156400	Ant0	25	14	DSI-1/2	100	24.0	23.26	0.08	0.106	-	1.186	0.13
P22	n13	DFT-QPSK10M	Left Cheek	156400	Ant0	25	14	DSI-1/2	100	24.0	23.26	-0.05	0.316	-	1.186	**0.37**
	n13	DFT-QPSK10M	Left Tilted	156400	Ant0	25	14	DSI-1/2	100	24.0	23.26	-0.16	0.129	-	1.186	0.15
	n14	DFT-QPSK10M	Right Cheek	158600	Ant0	1	1	DSI-1/2	100	24.0	23.53	-0.09	0.196	-	1.114	0.22
	n14	DFT-QPSK10M	Right Tilted	158600	Ant0	1	1	DSI-1/2	100	24.0	23.53	-0.13	0.128	-	1.114	0.14
	n14	DFT-QPSK10M	Left Cheek	158600	Ant0	1	1	DSI-1/2	100	24.0	23.53	0.14	0.289	-	1.114	0.32
	n14	DFT-QPSK10M	Left Tilted	158600	Ant0	1	1	DSI-1/2	100	24.0	23.53	-0.08	0.170	-	1.114	0.19
	n14	DFT-QPSK10M	Right Cheek	158600	Ant0	25	14	DSI-1/2	100	24.0	23.29	-0.11	0.199	-	1.178	0.23
	n14	DFT-QPSK10M	Right Tilted	158600	Ant0	25	14	DSI-1/2	100	24.0	23.29	0.05	0.123	-	1.178	0.14
P23	n14	DFT-QPSK10M	Left Cheek	158600	Ant0	25	14	DSI-1/2	100	24.0	23.29	0.03	0.295	-	1.178	**0.35**
	n14	DFT-QPSK10M	Left Tilted	158600	Ant0	25	14	DSI-1/2	100	24.0	23.29	0.12	0.173	-	1.178	0.20
	n25 / 2	DFT-QPSK40M	Right Cheek	374000	Ant0	1	1	DSI-1/2	100	24.0	23.30	-0.19	0.334	-	1.175	0.39
	n25 / 2	DFT-QPSK40M	Right Tilted	374000	Ant0	1	1	DSI-1/2	100	24.0	23.30	-0.13	0.165	-	1.175	0.19
	n25 / 2	DFT-QPSK40M	Left Cheek	374000	Ant0	1	1	DSI-1/2	100	24.0	23.30	0.09	0.234	-	1.175	0.27
	n25 / 2	DFT-QPSK40M	Left Tilted	374000	Ant0	1	1	DSI-1/2	100	24.0	23.30	-0.15	0.133	-	1.175	0.16
P24	n25 / 2	DFT-QPSK40M	Right Cheek	374000	Ant0	108	54	DSI-1/2	100	24.0	23.14	0.11	0.372	-	1.219	0.45
	n25 / 2	DFT-QPSK40M	Right Tilted	374000	Ant0	108	54	DSI-1/2	100	24.0	23.14	-0.05	0.129	-	1.219	0.16
	n25 / 2	DFT-QPSK40M	Left Cheek	374000	Ant0	108	54	DSI-1/2	100	24.0	23.14	-0.05	0.222	-	1.219	0.27
	n25 / 2	DFT-QPSK40M	Left Tilted	374000	Ant0	108	54	DSI-1/2	100	24.0	23.14	0.19	0.117	-	1.219	0.14
	n2	DFT-QPSK40M	Right Cheek	372000	Ant2	1	1	DSI-1	100	24.0	23.62	-0.13	1.050	-	1.091	1.15
	n2	DFT-QPSK40M	Right Tilted	372000	Ant2	1	1	DSI-1	100	24.0	23.62	-0.03	0.334	-	1.091	0.36
	n2	DFT-QPSK40M	Left Cheek	372000	Ant2	1	1	DSI-1	100	24.0	23.62	0.06	0.627	-	1.091	0.68
	n2	DFT-QPSK40M	Left Tilted	372000	Ant2	1	1	DSI-1	100	24.0	23.62	0.13	0.297	-	1.091	0.32
P25	n2	DFT-QPSK40M	Right Cheek	372000	Ant2	50	28	DSI-1	100	24.0	23.19	-0.10	1.050	-	1.205	**1.27**
	n2	DFT-QPSK40M	Right Tilted	372000	Ant2	50	28	DSI-1	100	24.0	23.19	0.05	0.277	-	1.205	0.33
	n2	DFT-QPSK40M	Left Cheek	372000	Ant2	50	28	DSI-1	100	24.0	23.19	0.03	0.600	-	1.205	0.72
	n2	DFT-QPSK40M	Left Tilted	372000	Ant2	50	28	DSI-1	100	24.0	23.19	-0.13	0.254	-	1.205	0.31
	n2	DFT-QPSK40M	Right Cheek	376000	Ant2	1	1	DSI-1	100	24.0	23.39	-0.03	0.857	-	1.151	0.99
	n2	DFT-QPSK40M	Right Cheek	380000	Ant2	1	1	DSI-1	100	24.0	23.19	0.12	0.872	-	1.205	1.05
	n2	DFT-QPSK40M	Right Cheek	376000	Ant2	50	28	DSI-1	100	24.0	23.15	-0.15	0.881	-	1.216	1.07
	n2	DFT-QPSK40M	Right Cheek	380000	Ant2	50	28	DSI-1	100	24.0	23.14	-0.16	0.820	-	1.219	1.00

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n2	DFT-QPSK40M	Right Cheek	372000	Ant2	100	0	DSI-1	100	24.0	22.84	0.16	0.803	-	1.306	1.05
	n2	DFT-QPSK40M	Right Cheek	372000	Ant2	1	1	DSI-2	100	21.5	21.08	0.10	0.499	-	1.102	0.55
	n2	DFT-QPSK40M	Right Tilted	372000	Ant2	1	1	DSI-2	100	21.5	21.08	-0.05	0.190	-	1.102	0.21
	n2	DFT-QPSK40M	Left Cheek	372000	Ant2	1	1	DSI-2	100	21.5	21.08	-0.14	0.389	-	1.102	0.43
	n2	DFT-QPSK40M	Left Tilted	372000	Ant2	1	1	DSI-2	100	21.5	21.08	-0.19	0.169	-	1.102	0.19
	n2	DFT-QPSK40M	Right Cheek	372000	Ant2	50	28	DSI-2	100	21.5	20.66	-0.03	0.489	-	1.213	0.59
	n2	DFT-QPSK40M	Right Tilted	372000	Ant2	50	28	DSI-2	100	21.5	20.66	-0.17	0.167	-	1.213	0.20
	n2	DFT-QPSK40M	Left Cheek	372000	Ant2	50	28	DSI-2	100	21.5	20.66	-0.01	0.332	-	1.213	0.40
	n2	DFT-QPSK40M	Left Tilted	372000	Ant2	50	28	DSI-2	100	21.5	20.66	0.01	0.144	-	1.213	0.17
	n26 / 5	DFT-QPSK20M	Right Cheek	167800	Ant0	1	1	DSI-1/2	100	24.0	23.22	-0.08	0.175	-	1.197	0.21
	n26 / 5	DFT-QPSK20M	Right Tilted	167800	Ant0	1	1	DSI-1/2	100	24.0	23.22	0.02	0.108	-	1.197	0.13
	n26 / 5	DFT-QPSK20M	Left Cheek	167800	Ant0	1	1	DSI-1/2	100	24.0	23.22	0.13	0.338	-	1.197	0.40
	n26 / 5	DFT-QPSK20M	Left Tilted	167800	Ant0	1	1	DSI-1/2	100	24.0	23.22	0.05	0.145	-	1.197	0.17
	n26 / 5	DFT-QPSK20M	Right Cheek	167800	Ant0	50	28	DSI-1/2	100	24.0	22.98	-0.12	0.177	-	1.265	0.22
	n26 / 5	DFT-QPSK20M	Right Tilted	167800	Ant0	50	28	DSI-1/2	100	24.0	22.98	0.00	0.101	-	1.265	0.13
P26	n26 / 5	DFT-QPSK20M	Left Cheek	167800	Ant0	50	28	DSI-1/2	100	24.0	22.98	0.11	0.342	-	1.265	**0.43**
	n26 / 5	DFT-QPSK20M	Left Tilted	167800	Ant0	50	28	DSI-1/2	100	24.0	22.98	0.06	0.144	-	1.265	0.18
	n30	DFT-QPSK10M	Right Cheek	462000	Ant10	1	1	DSI-1	100	24.0	23.59	-0.13	0.297	-	1.099	0.33
	n30	DFT-QPSK10M	Right Tilted	462000	Ant10	1	1	DSI-1	100	24.0	23.59	-0.19	0.139	-	1.099	0.15
	n30	DFT-QPSK10M	Left Cheek	462000	Ant10	1	1	DSI-1	100	24.0	23.59	-0.02	0.643	-	1.099	0.71
	n30	DFT-QPSK10M	Left Tilted	462000	Ant10	1	1	DSI-1	100	24.0	23.59	0.11	0.122	-	1.099	0.13
	n30	DFT-QPSK10M	Right Cheek	462000	Ant10	25	14	DSI-1	100	24.0	23.46	0.00	0.306	-	1.132	0.35
	n30	DFT-QPSK10M	Right Tilted	462000	Ant10	25	14	DSI-1	100	24.0	23.46	0.08	0.165	-	1.132	0.19
P27	n30	DFT-QPSK10M	Left Cheek	462000	Ant10	25	14	DSI-1	100	24.0	23.46	-0.04	0.717	-	1.132	**0.81**
	n30	DFT-QPSK10M	Left Tilted	462000	Ant10	25	14	DSI-1	100	24.0	23.46	-0.16	0.145	-	1.132	0.16
	n30	DFT-QPSK10M	Right Cheek	462000	Ant10	1	1	DSI-2	100	22.5	22.14	-0.11	0.207	-	1.086	0.22
	n30	DFT-QPSK10M	Right Tilted	462000	Ant10	1	1	DSI-2	100	22.5	22.14	0.05	0.103	-	1.086	0.11
	n30	DFT-QPSK10M	Left Cheek	462000	Ant10	1	1	DSI-2	100	22.5	22.14	-0.08	0.453	-	1.086	0.49
	n30	DFT-QPSK10M	Left Tilted	462000	Ant10	1	1	DSI-2	100	22.5	22.14	0.02	0.083	-	1.086	0.09
	n30	DFT-QPSK10M	Right Cheek	462000	Ant10	25	14	DSI-2	100	22.5	21.91	-0.13	0.221	-	1.146	0.25
	n30	DFT-QPSK10M	Right Tilted	462000	Ant10	25	14	DSI-2	100	22.5	21.91	-0.17	0.116	-	1.146	0.13
	n30	DFT-QPSK10M	Left Cheek	462000	Ant10	25	14	DSI-2	100	22.5	21.91	0.17	0.431	-	1.146	0.49
	n30	DFT-QPSK10M	Left Tilted	462000	Ant10	25	14	DSI-2	100	22.5	21.91	0.03	0.101	-	1.146	0.12
	n66	DFT-QPSK40M	Right Cheek	346000	Ant0	1	1	DSI-1/2	100	24.0	23.00	0.04	0.424	-	1.259	0.53
	n66	DFT-QPSK40M	Right Tilted	346000	Ant0	1	1	DSI-1/2	100	24.0	23.00	-0.03	0.168	-	1.259	0.21
	n66	DFT-QPSK40M	Left Cheek	346000	Ant0	1	1	DSI-1/2	100	24.0	23.00	-0.16	0.231	-	1.259	0.29
	n66	DFT-QPSK40M	Left Tilted	346000	Ant0	1	1	DSI-1/2	100	24.0	23.00	0.14	0.147	-	1.259	0.19
	n66	DFT-QPSK40M	Right Cheek	346000	Ant0	108	54	DSI-1/2	100	24.0	22.91	-0.04	0.454	-	1.285	0.58
	n66	DFT-QPSK40M	Right Tilted	346000	Ant0	108	54	DSI-1/2	100	24.0	22.91	0.16	0.189	-	1.285	0.24
	n66	DFT-QPSK40M	Left Cheek	346000	Ant0	108	54	DSI-1/2	100	24.0	22.91	0.03	0.237	-	1.285	0.30
	n66	DFT-QPSK40M	Left Tilted	346000	Ant0	108	54	DSI-1/2	100	24.0	22.91	-0.15	0.161	-	1.285	0.21
P28	n66	DFT-QPSK40M	Right Cheek	346000	Ant2	1	1	DSI-1	100	22.0	20.90	0.01	0.735	-	1.288	**0.95**
	n66	DFT-QPSK40M	Right Tilted	346000	Ant2	1	1	DSI-1	100	22.0	20.90	-0.01	0.225	-	1.288	0.29
	n66	DFT-QPSK40M	Left Cheek	346000	Ant2	1	1	DSI-1	100	22.0	20.90	0.05	0.548	-	1.288	0.71
	n66	DFT-QPSK40M	Left Tilted	346000	Ant2	1	1	DSI-1	100	22.0	20.90	0.04	0.241	-	1.288	0.31
	n66	DFT-QPSK40M	Right Cheek	346000	Ant2	108	54	DSI-1	100	22.0	20.76	0.16	0.659	-	1.330	0.88
	n66	DFT-QPSK40M	Right Tilted	346000	Ant2	108	54	DSI-1	100	22.0	20.76	-0.01	0.236	-	1.330	0.31
	n66	DFT-QPSK40M	Left Cheek	346000	Ant2	108	54	DSI-1	100	22.0	20.76	0.08	0.518	-	1.330	0.69
	n66	DFT-QPSK40M	Left Tilted	346000	Ant2	108	54	DSI-1	100	22.0	20.76	0.18	0.223	-	1.330	0.30
	n66	DFT-QPSK40M	Right Cheek	349000	Ant2	1	1	DSI-1	100	22.0	20.84	-0.08	0.668	-	1.306	0.87
	n66	DFT-QPSK40M	Right Cheek	352000	Ant2	1	1	DSI-1	100	22.0	20.70	-0.17	0.679	-	1.349	0.92
	n66	DFT-QPSK40M	Right Cheek	349000	Ant2	108	54	DSI-1	100	22.0	20.63	-0.14	0.557	-	1.371	0.76
	n66	DFT-QPSK40M	Right Cheek	352000	Ant2	108	54	DSI-1	100	22.0	20.72	0.01	0.615	-	1.343	0.83
	n66	DFT-QPSK40M	Right Cheek	346000	Ant2	216	0	DSI-1	100	21.0	19.69	-0.05	0.679	-	1.352	0.92
	n66	DFT-QPSK40M	Right Cheek	346000	Ant2	1	1	DSI-2	100	19.0	17.95	-0.08	0.401	-	1.274	0.51
	n66	DFT-QPSK40M	Right Tilted	346000	Ant2	1	1	DSI-2	100	19.0	17.95	-0.15	0.113	-	1.274	0.14
	n66	DFT-QPSK40M	Left Cheek	346000	Ant2	1	1	DSI-2	100	19.0	17.95	0.02	0.263	-	1.274	0.33
	n66	DFT-QPSK40M	Left Tilted	346000	Ant2	1	1	DSI-2	100	19.0	17.95	-0.13	0.106	-	1.274	0.13
	n66	DFT-QPSK40M	Right Cheek	346000	Ant2	108	54	DSI-2	100	19.0	17.80	0.08	0.369	-	1.318	0.49
	n66	DFT-QPSK40M	Right Tilted	346000	Ant2	108	54	DSI-2	100	19.0	17.80	-0.19	0.120	-	1.318	0.16
	n66	DFT-QPSK40M	Left Cheek	346000	Ant2	108	54	DSI-2	100	19.0	17.80	-0.05	0.277	-	1.318	0.37
	n66	DFT-QPSK40M	Left Tilted	346000	Ant2	108	54	DSI-2	100	19.0	17.80	0.08	0.119	-	1.318	0.16
	n71	DFT-QPSK20M	Right Cheek	134600	Ant0	1	1	DSI-1/2	100	24.0	23.06	0.09	0.245	-	1.242	0.30
	n71	DFT-QPSK20M	Right Tilted	134600	Ant0	1	1	DSI-1/2	100	24.0	23.06	-0.13	0.106	-	1.242	0.13
P29	n71	DFT-QPSK20M	Left Cheek	134600	Ant0	1	1	DSI-1/2	100	24.0	23.06	0.06	0.301	-	1.242	**0.37**
	n71	DFT-QPSK20M	Left Tilted	134600	Ant0	1	1	DSI-1/2	100	24.0	23.06	-0.03	0.135	-	1.242	0.17
	n71	DFT-QPSK20M	Right Cheek	134600	Ant0	50	28	DSI-1/2	100	24.0	22.80	0.19	0.223	-	1.318	0.29
	n71	DFT-QPSK20M	Right Tilted	134600	Ant0	50	28	DSI-1/2	100	24.0	22.80	0.02	0.116	-	1.318	0.15
	n71	DFT-QPSK20M	Left Cheek	134600	Ant0	50	28	DSI-1/2	100	24.0	22.80	0.07	0.282	-	1.318	0.37
	n71	DFT-QPSK20M	Left Tilted	134600	Ant0	50	28	DSI-1/2	100	24.0	22.80	0.06	0.135	-	1.318	0.18
	n38	DFT-QPSK40M	Right Cheek	520000	Ant6	1	1	DSI-1	100	24.0	23.13	-0.12	0.325	-	1.222	0.40
	n38	DFT-QPSK40M	Right Tilted	520000	Ant6	1	1	DSI-1	100	24.0	23.13	0.05	0.095	-	1.222	0.12
	n38	DFT-QPSK40M	Left Cheek	520000	Ant6	1	1	DSI-1	100	24.0	23.13	0.07	0.158	-	1.222	0.19
	n38	DFT-QPSK40M	Left Tilted	520000	Ant6	1	1	DSI-1	100	24.0	23.13	0.19	0.097	-	1.222	0.12
	n38	DFT-QPSK40M	Right Cheek	520000	Ant6	50	28	DSI-1	100	24.0	22.91	0.16	0.335	-	1.285	0.43
	n38	DFT-QPSK40M	Right Tilted	520000	Ant6	50	28	DSI-1	100	24.0	22.91	0.02	0.095	-	1.285	0.12
	n38	DFT-QPSK40M	Left Cheek	520000	Ant6	50	28	DSI-1	100	24.0	22.91	-0.09	0.133	-	1.285	0.17
	n38	DFT-QPSK40M	Left Tilted	520000	Ant6	50	28	DSI-1	100	24.0	22.91	0.12	0.089	-	1.285	0.11
	n38	DFT-QPSK40M	Right Cheek	520000	Ant6	1	1	DSI-2	100	22.5	21.56	0.10	0.196	-	1.242	0.24

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n38	DFT-QPSK40M	Right Tilted	520000	Ant6	1	1	DSI-2	100	22.5	21.56	-0.05	0.058	-	1.242	0.07
	n38	DFT-QPSK40M	Left Cheek	520000	Ant6	1	1	DSI-2	100	22.5	21.56	-0.13	0.082	-	1.242	0.10
	n38	DFT-QPSK40M	Left Tilted	520000	Ant6	1	1	DSI-2	100	22.5	21.56	0.17	0.066	-	1.242	0.08
	n38	DFT-QPSK40M	Right Cheek	520000	Ant6	50	28	DSI-2	100	22.5	21.40	-0.09	0.189	-	1.288	0.24
	n38	DFT-QPSK40M	Right Tilted	520000	Ant6	50	28	DSI-2	100	22.5	21.40	0.11	0.058	-	1.288	0.07
	n38	DFT-QPSK40M	Left Cheek	520000	Ant6	50	28	DSI-2	100	22.5	21.40	0.02	0.086	-	1.288	0.11
	n38	DFT-QPSK40M	Left Tilted	520000	Ant6	50	28	DSI-2	100	22.5	21.40	0.13	0.065	-	1.288	0.08
	n38	DFT-QPSK40M	Right Cheek	520000	Ant10	1	1	DSI-1	100	24.0	23.06	0.03	0.259	-	1.242	0.32
	n38	DFT-QPSK40M	Right Tilted	520000	Ant10	1	1	DSI-1	100	24.0	23.06	-0.03	0.125	-	1.242	0.16
P30	n38	DFT-QPSK40M	Left Cheek	520000	Ant10	1	1	DSI-1	100	24.0	23.06	0.18	0.569	-	1.242	**0.71**
	n38	DFT-QPSK40M	Left Tilted	520000	Ant10	1	1	DSI-1	100	24.0	23.06	0.07	0.110	-	1.242	0.14
	n38	DFT-QPSK40M	Right Cheek	520000	Ant10	50	28	DSI-1	100	23.0	22.75	0.11	0.270	-	1.059	0.29
	n38	DFT-QPSK40M	Right Tilted	520000	Ant10	50	28	DSI-1	100	23.0	22.75	0.15	0.125	-	1.059	0.13
	n38	DFT-QPSK40M	Left Cheek	520000	Ant10	50	28	DSI-1	100	23.0	22.75	-0.03	0.572	-	1.059	0.61
	n38	DFT-QPSK40M	Left Tilted	520000	Ant10	50	28	DSI-1	100	23.0	22.75	-0.19	0.101	-	1.059	0.11
	n38	DFT-QPSK40M	Right Cheek	520000	Ant10	1	1	DSI-2	100	22.0	21.23	0.07	0.162	-	1.194	0.19
	n38	DFT-QPSK40M	Right Tilted	520000	Ant10	1	1	DSI-2	100	22.0	21.23	0.02	0.074	-	1.194	0.09
	n38	DFT-QPSK40M	Left Cheek	520000	Ant10	1	1	DSI-2	100	22.0	21.23	0.05	0.431	-	1.194	0.51
	n38	DFT-QPSK40M	Left Tilted	520000	Ant10	1	1	DSI-2	100	22.0	21.23	-0.10	0.071	-	1.194	0.08
	n38	DFT-QPSK40M	Right Cheek	520000	Ant10	50	28	DSI-2	100	21.0	20.89	0.18	0.154	-	1.026	0.16
	n38	DFT-QPSK40M	Right Tilted	520000	Ant10	50	28	DSI-2	100	21.0	20.89	0.15	0.080	-	1.026	0.08
	n38	DFT-QPSK40M	Left Cheek	520000	Ant10	50	28	DSI-2	100	21.0	20.89	-0.02	0.402	-	1.026	0.41
	n38	DFT-QPSK40M	Left Tilted	520000	Ant10	50	28	DSI-2	100	21.0	20.89	0.10	0.075	-	1.026	0.08
	n41	DFT-QPSK100M	Right Cheek	528000	Ant10	1	1	DSI-1	100	24.0	23.57	0.12	0.263	-	1.104	0.29
	n41	DFT-QPSK100M	Right Tilted	528000	Ant10	1	1	DSI-1	100	24.0	23.57	-0.17	0.112	-	1.104	0.12
	n41	DFT-QPSK100M	Left Cheek	528000	Ant10	1	1	DSI-1	100	24.0	23.57	-0.17	0.659	-	1.104	0.73
	n41	DFT-QPSK100M	Left Tilted	528000	Ant10	1	1	DSI-1	100	24.0	23.57	-0.17	0.109	-	1.104	0.12
	n41	DFT-QPSK100M	Right Cheek	528000	Ant10	135	69	DSI-1	100	24.0	23.48	0.00	0.112	-	1.127	0.13
	n41	DFT-QPSK100M	Right Tilted	528000	Ant10	135	69	DSI-1	100	24.0	23.48	-0.09	0.071	-	1.127	0.08
	n41	DFT-QPSK100M	Left Cheek	528000	Ant10	135	69	DSI-1	100	24.0	23.48	-0.06	0.506	-	1.127	0.57
	n41	DFT-QPSK100M	Left Tilted	528000	Ant10	135	69	DSI-1	100	24.0	23.48	-0.03	0.082	-	1.127	0.09
	n41	DFT-QPSK100M	Left Cheek	509202	Ant10	1	1	DSI-1	100	24.0	23.45	0.15	0.514	-	1.135	0.58
	n41	DFT-QPSK100M	Left Cheek	518598	Ant10	1	1	DSI-1	100	24.0	23.46	0.13	0.496	-	1.132	0.56
	n41	DFT-QPSK100M	Left Cheek	528000	Ant10	270	0	DSI-1	100	24.0	23.43	0.18	0.363	-	1.140	0.41
	n41	DFT-QPSK100M	Right Cheek	528000	Ant10	1	1	DSI-2	100	23.5	22.81	-0.15	0.211	-	1.172	0.25
	n41	DFT-QPSK100M	Right Tilted	528000	Ant10	1	1	DSI-2	100	23.5	22.81	0.07	0.102	-	1.172	0.12
	n41	DFT-QPSK100M	Left Cheek	528000	Ant10	1	1	DSI-2	100	23.5	22.81	-0.09	0.437	-	1.172	0.51
	n41	DFT-QPSK100M	Left Tilted	528000	Ant10	1	1	DSI-2	100	23.5	22.81	-0.16	0.100	-	1.172	0.12
	n41	DFT-QPSK100M	Right Cheek	528000	Ant10	135	69	DSI-2	100	23.5	22.72	0.04	0.169	-	1.197	0.20
	n41	DFT-QPSK100M	Right Tilted	528000	Ant10	135	69	DSI-2	100	23.5	22.72	-0.04	0.075	-	1.197	0.09
	n41	DFT-QPSK100M	Left Cheek	528000	Ant10	135	69	DSI-2	100	23.5	22.72	0.00	0.409	-	1.197	0.49
	n41	DFT-QPSK100M	Left Tilted	528000	Ant10	135	69	DSI-2	100	23.5	22.72	0.16	0.081	-	1.197	0.10
	n41	DFT-QPSK100M	Left Cheek	509202	Ant10	1	1	DSI-2	100	23.5	22.73	-0.10	0.412	-	1.194	0.49
	n41	DFT-QPSK100M	Left Cheek	518598	Ant10	1	1	DSI-2	100	23.5	22.69	-0.13	0.425	-	1.205	0.51
	n41	DFT-QPSK100M	Left Cheek	528000	Ant10	270	0	DSI-2	100	23.5	22.70	-0.14	0.347	-	1.202	0.42
	n41 HPUE	DFT-QPSK100M	Right Cheek	528000	Ant10	1	1	DSI-1	50	27.0	26.48	0.18	0.266	-	1.127	0.30
	n41 HPUE	DFT-QPSK100M	Right Tilted	528000	Ant10	1	1	DSI-1	50	27.0	26.48	0.09	0.110	-	1.127	0.12
P31	n41 HPUE	DFT-QPSK100M	Left Cheek	528000	Ant10	1	1	DSI-1	50	27.0	26.48	-0.02	0.825	-	1.127	**0.93**
	n41 HPUE	DFT-QPSK100M	Left Tilted	528000	Ant10	1	1	DSI-1	50	27.0	26.48	-0.05	0.108	-	1.127	0.12
	n41 HPUE	DFT-QPSK100M	Right Cheek	528000	Ant10	135	69	DSI-1	50	27.0	26.19	0.07	0.208	-	1.205	0.25
	n41 HPUE	DFT-QPSK100M	Right Tilted	528000	Ant10	135	69	DSI-1	50	27.0	26.19	-0.15	0.076	-	1.205	0.09
	n41 HPUE	DFT-QPSK100M	Left Cheek	528000	Ant10	135	69	DSI-1	50	27.0	26.19	-0.14	0.723	-	1.205	0.87
	n41 HPUE	DFT-QPSK100M	Left Tilted	528000	Ant10	135	69	DSI-1	50	27.0	26.19	0.00	0.079	-	1.205	0.10
	n41 HPUE	DFT-QPSK100M	Left Cheek	509202	Ant10	1	1	DSI-1	50	27.0	26.41	0.04	0.527	-	1.146	0.60
	n41 HPUE	DFT-QPSK100M	Left Cheek	518598	Ant10	1	1	DSI-1	50	27.0	26.34	-0.09	0.492	-	1.164	0.57
	n41 HPUE	DFT-QPSK100M	Left Cheek	509202	Ant10	135	69	DSI-1	50	27.0	26.08	0.01	0.473	-	1.236	0.58
	n41 HPUE	DFT-QPSK100M	Left Cheek	518598	Ant10	135	69	DSI-1	50	27.0	26.05	-0.11	0.416	-	1.245	0.52
	n41 HPUE	DFT-QPSK100M	Left Cheek	528000	Ant10	270	0	DSI-1	50	27.0	25.66	0.15	0.512	-	1.361	0.70
	n48	DFT-QPSK40M	Right Cheek	638000	Ant11	1	1	DSI-1	100	23.0	22.42	-0.07	0.466	-	1.143	0.53
	n48	DFT-QPSK40M	Right Tilted	638000	Ant11	1	1	DSI-1	100	23.0	22.42	-0.02	0.153	-	1.143	0.17
	n48	DFT-QPSK40M	Left Cheek	638000	Ant11	1	1	DSI-1	100	23.0	22.42	0.14	0.844	-	1.143	0.96
	n48	DFT-QPSK40M	Left Tilted	638000	Ant11	1	1	DSI-1	100	23.0	22.42	-0.06	0.214	-	1.143	0.24
	n48	DFT-QPSK40M	Right Cheek	638000	Ant11	50	28	DSI-1	100	23.0	22.18	-0.02	0.455	-	1.208	0.55
	n48	DFT-QPSK40M	Right Tilted	638000	Ant11	50	28	DSI-1	100	23.0	22.18	-0.10	0.146	-	1.208	0.18
	n48	DFT-QPSK40M	Left Cheek	638000	Ant11	50	28	DSI-1	100	23.0	22.18	0.16	0.819	-	1.208	0.99
	n48	DFT-QPSK40M	Left Tilted	638000	Ant11	50	28	DSI-1	100	23.0	22.18	-0.06	0.215	-	1.208	0.26
	n48	DFT-QPSK40M	Left Cheek	641666	Ant11	1	1	DSI-1	100	23.0	22.30	-0.01	0.861		1.175	1.01
	n48	DFT-QPSK40M	Left Cheek	645332	Ant11	1	1	DSI-1	100	23.0	22.27	0.09	0.828		1.183	0.98
P32	n48	DFT-QPSK40M	Left Cheek	641666	Ant11	50	28	DSI-1	100	23.0	22.02	-0.08	0.893		1.253	**1.12**
	n48	DFT-QPSK40M	Left Cheek	645332	Ant11	50	28	DSI-1	100	23.0	22.06	0.16	0.803		1.242	1.00
	n48	DFT-QPSK40M	Left Cheek	638000	Ant11	100	0	DSI-1	100	22.0	21.17	-0.18	0.901		1.211	1.09
	n48	DFT-QPSK40M	Right Cheek	638000	Ant11	1	1	DSI-2	100	18.5	17.98	-0.13	0.209	-	1.127	0.24
	n48	DFT-QPSK40M	Right Tilted	638000	Ant11	1	1	DSI-2	100	18.5	17.98	-0.08	0.079	-	1.127	0.09
	n48	DFT-QPSK40M	Left Cheek	638000	Ant11	1	1	DSI-2	100	18.5	17.98	0.05	0.375	-	1.127	0.42
	n48	DFT-QPSK40M	Left Tilted	638000	Ant11	1	1	DSI-2	100	18.5	17.98	-0.02	0.100	-	1.127	0.11
	n48	DFT-QPSK40M	Right Cheek	638000	Ant11	50	28	DSI-2	100	18.5	17.80	0.14	0.226	-	1.175	0.27
	n48	DFT-QPSK40M	Right Tilted	638000	Ant11	50	28	DSI-2	100	18.5	17.80	0.04	0.077	-	1.175	0.09
	n48	DFT-QPSK40M	Left Cheek	638000	Ant11	50	28	DSI-2	100	18.5	17.80	0.07	0.421	-	1.175	0.49
	n48	DFT-QPSK40M	Left Tilted	638000	Ant11	50	28	DSI-2	100	18.5	17.80	-0.02	0.095	-	1.175	0.11

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n77 / 78	DFT-QPSK100M	Right Cheek	633334	Ant11	1	1	DSI-1	100	23.0	21.77	-0.03	0.413	-	1.327	0.55
	n77 / 78	DFT-QPSK100M	Right Tilted	633334	Ant11	1	1	DSI-1	100	23.0	21.77	0.01	0.162	-	1.327	0.22
P33	n77 / 78	DFT-QPSK100M	Left Cheek	633334	Ant11	1	1	DSI-1	100	23.0	21.77	-0.15	0.909	-	1.327	**1.21**
	n77 / 78	DFT-QPSK100M	Left Tilted	633334	Ant11	1	1	DSI-1	100	23.0	21.77	-0.01	0.293	-	1.327	0.39
	n77 / 78	DFT-QPSK100M	Right Cheek	633334	Ant11	135	69	DSI-1	100	23.0	21.48	-0.02	0.446	-	1.419	0.63
	n77 / 78	DFT-QPSK100M	Right Tilted	633334	Ant11	135	69	DSI-1	100	23.0	21.48	0.17	0.171	-	1.419	0.24
	n77 / 78	DFT-QPSK100M	Left Cheek	633334	Ant11	135	69	DSI-1	100	23.0	21.48	-0.01	0.844	-	1.419	1.20
	n77 / 78	DFT-QPSK100M	Left Tilted	633334	Ant11	135	69	DSI-1	100	23.0	21.48	-0.12	0.265	-	1.419	0.38
	n77 / 78	DFT-QPSK100M	Left Cheek	633334	Ant11	270	0	DSI-1	100	23.0	21.49	0.05	0.825	-	1.416	1.17
	n77 / 78	DFT-QPSK100M	Right Cheek	633334	Ant11	1	1	DSI-2	100	19.0	17.78	-0.11	0.172	-	1.324	0.23
	n77 / 78	DFT-QPSK100M	Right Tilted	633334	Ant11	1	1	DSI-2	100	19.0	17.78	0.11	0.061	-	1.324	0.08
	n77 / 78	DFT-QPSK100M	Left Cheek	633334	Ant11	1	1	DSI-2	100	19.0	17.78	0.07	0.325	-	1.324	0.43
	n77 / 78	DFT-QPSK100M	Left Tilted	633334	Ant11	1	1	DSI-2	100	19.0	17.78	0.07	0.086	-	1.324	0.11
	n77 / 78	DFT-QPSK100M	Right Cheek	633334	Ant11	135	69	DSI-2	100	19.0	17.46	0.02	0.197	-	1.426	0.28
	n77 / 78	DFT-QPSK100M	Right Tilted	633334	Ant11	135	69	DSI-2	100	19.0	17.46	-0.17	0.066	-	1.426	0.09
	n77 / 78	DFT-QPSK100M	Left Cheek	633334	Ant11	135	69	DSI-2	100	19.0	17.46	-0.06	0.357	-	1.426	0.51
	n77 / 78	DFT-QPSK100M	Left Tilted	633334	Ant11	135	69	DSI-2	100	19.0	17.46	-0.12	0.085	-	1.426	0.12
	n77 / 78	DFT-QPSK100M	Right Cheek	650000	Ant11	1	1	DSI-1	100	23.0	22.16	-0.04	0.825	-	1.213	1.00
	n77 / 78	DFT-QPSK100M	Right Tilted	650000	Ant11	1	1	DSI-1	100	23.0	22.16	0.09	0.210	-	1.213	0.25
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant11	1	1	DSI-1	100	23.0	22.16	0.17	0.825	-	1.213	1.00
	n77 / 78	DFT-QPSK100M	Left Tilted	650000	Ant11	1	1	DSI-1	100	23.0	22.16	0.04	0.255	-	1.213	0.31
	n77 / 78	DFT-QPSK100M	Right Cheek	650000	Ant11	135	69	DSI-1	100	23.0	21.86	0.06	0.732	-	1.300	0.95
	n77 / 78	DFT-QPSK100M	Right Tilted	650000	Ant11	135	69	DSI-1	100	23.0	21.86	0.00	0.187	-	1.300	0.24
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant11	135	69	DSI-1	100	23.0	21.86	-0.04	0.749	-	1.300	0.97
	n77 / 78	DFT-QPSK100M	Left Tilted	650000	Ant11	135	69	DSI-1	100	23.0	21.86	-0.06	0.276	-	1.300	0.36
	n77 / 78	DFT-QPSK100M	Right Cheek	656000	Ant11	1	1	DSI-1	100	23.0	21.70	-0.10	0.707	-	1.349	0.95
	n77 / 78	DFT-QPSK100M	Right Cheek	662000	Ant11	1	1	DSI-1	100	23.0	21.99	-0.09	0.762	-	1.262	0.96
	n77 / 78	DFT-QPSK100M	Left Cheek	656000	Ant11	1	1	DSI-1	100	23.0	21.70	-0.08	0.711	-	1.349	0.96
	n77 / 78	DFT-QPSK100M	Left Cheek	662000	Ant11	1	1	DSI-1	100	23.0	21.99	0.06	0.748	-	1.262	0.94
	n77 / 78	DFT-QPSK100M	Right Cheek	656000	Ant11	135	69	DSI-1	100	23.0	21.55	0.00	0.705	-	1.396	0.98
	n77 / 78	DFT-QPSK100M	Right Cheek	662000	Ant11	135	69	DSI-1	100	23.0	21.71	0.02	0.695	-	1.346	0.94
	n77 / 78	DFT-QPSK100M	Left Cheek	656000	Ant11	135	69	DSI-1	100	23.0	21.55	0.17	0.725	-	1.396	1.01
	n77 / 78	DFT-QPSK100M	Left Cheek	662000	Ant11	135	69	DSI-1	100	23.0	21.71	0.04	0.777	-	1.346	1.05
	n77 / 78	DFT-QPSK100M	Right Cheek	650000	Ant11	270	0	DSI-1	100	23.0	21.72	-0.15	0.764	-	1.343	1.03
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant11	270	0	DSI-1	100	23.0	21.72	0.14	0.723	-	1.343	0.97
	n77 / 78	DFT-QPSK100M	Right Cheek	650000	Ant11	1	1	DSI-2	100	19.0	18.16	0.15	0.286	-	1.213	0.35
	n77 / 78	DFT-QPSK100M	Right Tilted	650000	Ant11	1	1	DSI-2	100	19.0	18.16	-0.12	0.079	-	1.213	0.10
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant11	1	1	DSI-2	100	19.0	18.16	-0.10	0.392	-	1.213	0.48
	n77 / 78	DFT-QPSK100M	Left Tilted	650000	Ant11	1	1	DSI-2	100	19.0	18.16	-0.06	0.121	-	1.213	0.15
	n77 / 78	DFT-QPSK100M	Right Cheek	650000	Ant11	135	69	DSI-2	100	19.0	17.94	0.07	0.287	-	1.276	0.37
	n77 / 78	DFT-QPSK100M	Right Tilted	650000	Ant11	135	69	DSI-2	100	19.0	17.94	0.00	0.082	-	1.276	0.10
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant11	135	69	DSI-2	100	19.0	17.94	0.18	0.385	-	1.276	0.49
	n77 / 78	DFT-QPSK100M	Left Tilted	650000	Ant11	135	69	DSI-2	100	19.0	17.94	-0.13	0.134	-	1.276	0.17
	n77 / 78	DFT-QPSK100M	Right Cheek	650000	Ant5	1	1	DSI-1	100	23.0	22.15	0.11	0.245	-	1.216	0.30
	n77 / 78	DFT-QPSK100M	Right Tilted	650000	Ant5	1	1	DSI-1	100	23.0	22.15	0.00	0.114	-	1.216	0.14
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant5	1	1	DSI-1	100	23.0	22.15	-0.14	0.568	-	1.216	0.69
	n77 / 78	DFT-QPSK100M	Left Tilted	650000	Ant5	1	1	DSI-1	100	23.0	22.15	-0.14	0.075	-	1.216	0.09
	n77 / 78	DFT-QPSK100M	Right Cheek	650000	Ant5	135	69	DSI-1	100	23.0	21.84	-0.02	0.253	-	1.306	0.33
	n77 / 78	DFT-QPSK100M	Right Tilted	650000	Ant5	135	69	DSI-1	100	23.0	21.84	0.15	0.144	-	1.306	0.19
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant5	135	69	DSI-1	100	23.0	21.84	0.07	0.631	-	1.306	0.82
	n77 / 78	DFT-QPSK100M	Left Tilted	650000	Ant5	135	69	DSI-1	100	23.0	21.84	0.06	0.133	-	1.306	0.17
	n77 / 78	DFT-QPSK100M	Left Cheek	656000	Ant5	135	69	DSI-1	100	23.0	21.51	-0.14	0.530	-	1.409	0.75
	n77 / 78	DFT-QPSK100M	Left Cheek	662000	Ant5	135	69	DSI-1	100	23.0	21.69	-0.07	0.585	-	1.352	0.79
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant5	270	0	DSI-1	100	23.0	21.68	-0.07	0.601	-	1.355	0.81
	n77 / 78	DFT-QPSK100M	Right Cheek	650000	Ant5	1	1	DSI-2	100	19.0	18.11	0.02	0.123	-	1.227	0.15
	n77 / 78	DFT-QPSK100M	Right Tilted	650000	Ant5	1	1	DSI-2	100	19.0	18.11	-0.04	0.057	-	1.227	0.07
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant5	1	1	DSI-2	100	19.0	18.11	-0.06	0.285	-	1.227	0.35
	n77 / 78	DFT-QPSK100M	Left Tilted	650000	Ant5	1	1	DSI-2	100	19.0	18.11	0.05	0.038	-	1.227	0.05
	n77 / 78	DFT-QPSK100M	Right Cheek	650000	Ant5	135	69	DSI-2	100	19.0	17.94	0.18	0.127	-	1.276	0.16
	n77 / 78	DFT-QPSK100M	Right Tilted	650000	Ant5	135	69	DSI-2	100	19.0	17.94	-0.08	0.072	-	1.276	0.09
	n77 / 78	DFT-QPSK100M	Left Cheek	650000	Ant5	135	69	DSI-2	100	19.0	17.94	-0.18	0.316	-	1.276	0.40
	n77 / 78	DFT-QPSK100M	Left Tilted	650000	Ant5	135	69	DSI-2	100	19.0	17.94	0.17	0.066	-	1.276	0.08

4.6.3 SAR Results for Body-worn Exposure Condition (Separation Distance is 1.5 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS 2Tx Slot	Front Face	189	Ant0	-	-	DSI-4	-	31.5	29.77	-0.04	0.551	-	1.489	0.82
P34	GSM850	GPRS 2Tx Slot	Rear Face	189	Ant0	-	-	DSI-4	-	31.5	29.77	0.06	0.556	-	1.489	**0.83**
	GSM850	GPRS 2Tx Slot	Front Face	128	Ant0	-	-	DSI-4	-	31.5	29.54	-0.03	0.477	-	1.570	0.75
	GSM850	GPRS 2Tx Slot	Front Face	251	Ant0	-	-	DSI-4	-	31.5	29.54	0.15	0.441	-	1.570	0.69
	GSM850	GPRS 2Tx Slot	Rear Face	128	Ant0	-	-	DSI-4	-	31.5	29.54	-0.02	0.446	-	1.570	0.70
	GSM850	GPRS 2Tx Slot	Rear Face	251	Ant0	-	-	DSI-4	-	31.5	29.54	0.14	0.470	-	1.570	0.74
	GSM850	GPRS 2Tx Slot	Front Face	189	Ant0	-	-	DSI-5	-	30.5	28.69	0.16	0.421	-	1.517	0.64
	GSM850	GPRS 2Tx Slot	Rear Face	189	Ant0	-	-	DSI-5	-	30.5	28.69	0.04	0.446	-	1.517	0.68
	GSM1900	GPRS 2Tx Slot	Front Face	512	Ant0	-	-	DSI-4/5	-	28.5	27.09	-0.04	0.204	-	1.384	0.28

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P35	GSM1900	GPRS 2Tx Slot	Rear Face	512	Ant0	-	-	DSI-4/5	-	28.5	27.09	0.08	0.339	-	1.384	**0.47**
	WCDMA II	RMC12.2K	Front Face	9262	Ant0	-	-	DSI-4/5	-	24.0	22.98	0.04	0.201	-	1.265	0.25
P36	WCDMA II	RMC12.2K	Rear Face	9262	Ant0	-	-	DSI-4/5	-	24.0	22.98	0.15	0.377	-	1.265	**0.48**
	WCDMA IV	RMC12.2K	Front Face	1413	Ant0	-	-	DSI-4/5	-	24.0	22.86	-0.06	0.262	-	1.300	0.34
P37	WCDMA IV	RMC12.2K	Rear Face	1413	Ant0	-	-	DSI-4/5	-	24.0	22.86	0.02	0.543	-	1.300	**0.71**
P38	WCDMA V	RMC12.2K	Front Face	4182	Ant0	-	-	DSI-4/5	-	24.0	22.94	-0.05	0.089	-	1.276	**0.11**
	WCDMA V	RMC12.2K	Rear Face	4182	Ant0	-	-	DSI-4/5	-	24.0	22.94	-0.14	0.056	-	1.276	0.07
	LTE 7	QPSK20M	Front Face	21350	Ant6	1	99	DSI-4/5	-	24.0	22.68	0.13	0.171	-	1.355	0.23
	LTE 7	QPSK20M	Rear Face	21350	Ant6	1	99	DSI-4/5	-	24.0	22.68	0.08	0.399	-	1.355	0.54
	LTE 7	QPSK20M	Front Face	21350	Ant6	50	25	DSI-4/5	-	23.0	21.68	-0.04	0.139	-	1.355	0.19
	LTE 7	QPSK20M	Rear Face	21350	Ant6	50	25	DSI-4/5	-	23.0	21.68	0.04	0.333	-	1.355	0.45
	LTE 7	QPSK20M	Front Face	21350	Ant10	1	99	DSI-4/5	-	24.0	22.58	-0.04	0.175	-	1.387	0.24
P39	LTE 7	QPSK20M	Rear Face	21350	Ant10	1	99	DSI-4/5	-	24.0	22.58	-0.01	0.456	-	1.387	**0.63**
	LTE 7	QPSK20M	Front Face	21350	Ant10	50	25	DSI-4/5	-	23.0	21.52	-0.13	0.159	-	1.406	0.22
	LTE 7	QPSK20M	Rear Face	21350	Ant10	50	25	DSI-4/5	-	23.0	21.52	-0.08	0.398	-	1.406	0.56
	LTE 12 / 17	QPSK10M	Front Face	23060	Ant0	1	49	DSI-4/5	-	24.0	22.42	0.15	0.286	-	1.439	0.41
P40	LTE 12 / 17	QPSK10M	Rear Face	23060	Ant0	1	49	DSI-4/5	-	24.0	22.42	0.11	0.320	-	1.439	**0.46**
	LTE 12 / 17	QPSK10M	Front Face	23060	Ant0	25	25	DSI-4/5	-	23.0	21.40	-0.14	0.219	-	1.445	0.32
	LTE 12 / 17	QPSK10M	Rear Face	23060	Ant0	25	25	DSI-4/5	-	23.0	21.40	0.09	0.258	-	1.445	0.37
	LTE 13	QPSK10M	Front Face	23230	Ant0	1	24	DSI-4/5	-	24.0	22.57	-0.14	0.186	-	1.390	0.26
P41	LTE 13	QPSK10M	Rear Face	23230	Ant0	1	24	DSI-4/5	-	24.0	22.57	0.02	0.212	-	1.390	**0.29**
	LTE 13	QPSK10M	Front Face	23230	Ant0	25	25	DSI-4/5	-	23.0	21.58	0.02	0.201	-	1.387	0.28
	LTE 13	QPSK10M	Rear Face	23230	Ant0	25	25	DSI-4/5	-	23.0	21.58	0.19	0.204	-	1.387	0.28
	LTE 14	QPSK10M	Front Face	23330	Ant0	1	24	DSI-4/5	-	24.0	22.71	-0.07	0.202	-	1.346	0.27
P42	LTE 14	QPSK10M	Rear Face	23330	Ant0	1	24	DSI-4/5	-	24.0	22.71	0.13	0.223	-	1.346	**0.30**
	LTE 14	QPSK10M	Front Face	23330	Ant0	25	25	DSI-4/5	-	23.0	21.65	-0.11	0.148	-	1.365	0.20
	LTE 14	QPSK10M	Rear Face	23330	Ant0	25	25	DSI-4/5	-	23.0	21.65	0.18	0.175	-	1.365	0.24
	LTE 25 / 2	QPSK20M	Front Face	26340	Ant0	1	0	DSI-4/5	-	24.0	22.56	0.06	0.158	-	1.393	0.22
P43	LTE 25 / 2	QPSK20M	Rear Face	26340	Ant0	1	0	DSI-4/5	-	24.0	22.56	0.04	0.326	-	1.393	**0.45**
	LTE 25 / 2	QPSK20M	Front Face	26340	Ant0	50	0	DSI-4/5	-	23.0	21.65	0.04	0.149	-	1.365	0.20
	LTE 25 / 2	QPSK20M	Rear Face	26340	Ant0	50	0	DSI-4/5	-	23.0	21.65	-0.06	0.256	-	1.365	0.35
	LTE 2	QPSK20M	Front Face	18700	Ant2	1	0	DSI-4/5	-	24.0	22.44	0.17	0.185	-	1.432	0.26
P44	LTE 2	QPSK20M	Rear Face	18700	Ant2	1	0	DSI-4/5	-	24.0	22.44	-0.02	0.245	-	1.432	0.35
	LTE 2	QPSK20M	Front Face	18700	Ant2	50	25	DSI-4/5	-	23.0	21.42	-0.05	0.133	-	1.439	0.19
	LTE 2	QPSK20M	Rear Face	18700	Ant2	50	25	DSI-4/5	-	23.0	21.42	0.08	0.167	-	1.439	0.24
P45	LTE 26 / 5	QPSK15M	Front Face	26765	Ant0	1	0	DSI-4/5	-	24.0	22.21	0.01	0.180	-	1.510	**0.27**
	LTE 26 / 5	QPSK15M	Rear Face	26765	Ant0	1	0	DSI-4/5	-	24.0	22.21	-0.01	0.157	-	1.510	0.24
	LTE 26 / 5	QPSK15M	Front Face	26765	Ant0	36	39	DSI-4/5	-	23.0	21.28	-0.01	0.135	-	1.486	0.20
	LTE 26 / 5	QPSK15M	Rear Face	26765	Ant0	36	39	DSI-4/5	-	23.0	21.28	0.16	0.131	-	1.486	0.19
	LTE 30	QPSK10M	Front Face	27710	Ant10	1	24	DSI-4/5	-	24.0	23.16	0.01	0.143	-	1.213	0.17
P46	LTE 30	QPSK10M	Rear Face	27710	Ant10	1	24	DSI-4/5	-	24.0	23.16	0.01	0.277	-	1.213	**0.34**
	LTE 30	QPSK10M	Front Face	27710	Ant10	25	12	DSI-4/5	-	23.0	22.13	-0.10	0.115	-	1.222	0.14
	LTE 30	QPSK10M	Rear Face	27710	Ant10	25	12	DSI-4/5	-	23.0	22.13	-0.04	0.215	-	1.222	0.26
	LTE 30	QPSK10M	Front Face	27710	Ant6	1	24	DSI-4/5	-	24.0	23.11	-0.07	0.053	-	1.227	0.07
	LTE 30	QPSK10M	Rear Face	27710	Ant6	1	24	DSI-4/5	-	24.0	23.11	0.10	0.135	-	1.227	0.17
	LTE 30	QPSK10M	Front Face	27710	Ant6	25	25	DSI-4/5	-	23.0	21.98	0.11	0.040	-	1.265	0.05
	LTE 30	QPSK10M	Rear Face	27710	Ant6	25	25	DSI-4/5	-	23.0	21.98	0.15	0.082	-	1.265	0.10
	LTE 38	QPSK20M	Front Face	38150	Ant6	1	50	DSI-4/5	62.9	24.0	22.79	-0.01	0.103	1.006	1.321	0.14
P47	LTE 38	QPSK20M	Rear Face	38150	Ant6	1	50	DSI-4/5	62.9	24.0	22.79	-0.01	0.285	1.006	1.321	**0.38**
	LTE 38	QPSK20M	Front Face	38150	Ant6	50	50	DSI-4/5	62.9	23.0	21.80	0.16	0.087	1.006	1.318	0.12
	LTE 38	QPSK20M	Rear Face	38150	Ant6	50	50	DSI-4/5	62.9	23.0	21.80	-0.11	0.208	1.006	1.318	0.28
P48	LTE 41	QPSK20M	Front Face	41490	Ant10	1	0	DSI-4/5	62.9	24.0	23.30	-0.01	0.192	1.006	1.175	**0.23**
	LTE 41	QPSK20M	Rear Face	41490	Ant10	1	0	DSI-4/5	62.9	24.0	23.30	0.01	0.106	1.006	1.175	0.13
	LTE 41	QPSK20M	Front Face	41490	Ant10	50	0	DSI-4/5	62.9	23.0	22.24	-0.12	0.077	1.006	1.191	0.09
	LTE 41	QPSK20M	Rear Face	41490	Ant10	50	0	DSI-4/5	62.9	23.0	22.24	-0.08	0.152	1.006	1.191	0.18
	LTE 42	QPSK20M	Front Face	42590	Ant11	1	0	DSI-4	62.9	23.0	22.14	0.19	0.098	1.006	1.219	0.12
	LTE 42	QPSK20M	Rear Face	42590	Ant11	1	0	DSI-4	62.9	23.0	22.14	-0.14	0.692	1.006	1.219	0.85
	LTE 42	QPSK20M	Front Face	42590	Ant11	50	0	DSI-4	62.9	22.0	21.23	0.19	0.091	1.006	1.194	0.11
	LTE 42	QPSK20M	Rear Face	42590	Ant11	50	0	DSI-4	62.9	22.0	21.23	-0.06	0.537	1.006	1.194	0.65
P49	LTE 42	QPSK20M	Rear Face	42190	Ant11	1	0	DSI-4	62.9	23.0	22.03	-0.05	0.842	1.006	1.250	**1.06**
	LTE 42	QPSK20M	Rear Face	42990	Ant11	1	0	DSI-4	62.9	23.0	22.09	0.09	0.631	1.006	1.233	0.78
	LTE 42	QPSK20M	Rear Face	42590	Ant11	100	0	DSI-4	62.9	22.0	20.96	0.13	0.512	1.006	1.271	0.65
	LTE 42	QPSK20M	Front Face	42590	Ant11	1	0	DSI-5	62.9	21.0	20.17	-0.10	0.063	1.006	1.211	0.08
	LTE 42	QPSK20M	Rear Face	42590	Ant11	1	0	DSI-5	62.9	21.0	20.17	-0.14	0.449	1.006	1.211	0.55
	LTE 42	QPSK20M	Front Face	42590	Ant11	50	0	DSI-5	62.9	20.0	19.15	0.03	0.059	1.006	1.216	0.07
	LTE 42	QPSK20M	Rear Face	42590	Ant11	50	0	DSI-5	62.9	20.0	19.15	0.15	0.336	1.006	1.216	0.41
	LTE 48 / 43	QPSK20M	Front Face	56640	Ant11	1	50	DSI-4	62.9	23.0	22.24	0.02	0.116	1.006	1.191	0.14
P50	LTE 48 / 43	QPSK20M	Rear Face	56640	Ant11	1	50	DSI-4	62.9	23.0	22.24	0.02	0.512	1.006	1.191	**0.61**
	LTE 48 / 43	QPSK20M	Front Face	56640	Ant11	50	0	DSI-4	62.9	22.0	21.26	-0.18	0.110	1.006	1.186	0.13
	LTE 48 / 43	QPSK20M	Rear Face	56640	Ant11	50	0	DSI-4	62.9	22.0	21.26	-0.15	0.421	1.006	1.186	0.50
	LTE 48 / 43	QPSK20M	Front Face	56640	Ant11	1	50	DSI-5	62.9	21.5	20.71	-0.07	0.069	1.006	1.199	0.08
	LTE 48 / 43	QPSK20M	Rear Face	56640	Ant11	1	50	DSI-5	62.9	21.5	20.71	0.18	0.371	1.006	1.199	0.45
	LTE 48 / 43	QPSK20M	Front Face	56640	Ant11	50	0	DSI-5	62.9	20.5	19.73	0.14	0.064	1.006	1.194	0.08
	LTE 48 / 43	QPSK20M	Rear Face	56640	Ant11	50	0	DSI-5	62.9	20.5	19.73	0.14	0.273	1.006	1.194	0.33
	LTE 66 / 4	QPSK20M	Front Face	132322	Ant0	1	0	DSI-4/5	-	24.0	22.53	0.16	0.235	-	1.403	0.33
P51	LTE 66 / 4	QPSK20M	Rear Face	132322	Ant0	1	0	DSI-4/5	-	24.0	22.53	-0.08	0.455	-	1.403	**0.64**
	LTE 66 / 4	QPSK20M	Front Face	132322	Ant0	50	50	DSI-4/5	-	23.0	21.54	-0.01	0.210	-	1.400	0.29

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 66 / 4	QPSK20M	Rear Face	132322	Ant0	50	50	DSI-4/5	-	23.0	21.54	-0.04	0.356	-	1.400	0.50
	LTE 66	QPSK20M	Front Face	132322	Ant2	1	0	DSI-4/5	-	24.0	22.47	0.11	0.199	-	1.422	0.28
	LTE 66	QPSK20M	Rear Face	132322	Ant2	1	0	DSI-4/5	-	24.0	22.47	-0.04	0.401	-	1.422	0.57
	LTE 66	QPSK20M	Front Face	132322	Ant2	50	25	DSI-4/5	-	23.0	21.48	-0.18	0.160	-	1.419	0.23
	LTE 66	QPSK20M	Rear Face	132322	Ant2	50	25	DSI-4/5	-	23.0	21.48	0.08	0.336	-	1.419	0.48
	LTE 71	QPSK20M	Front Face	133222	Ant0	1	0	DSI-4/5	-	24.0	22.37	0.04	0.297	-	1.455	0.43
P52	LTE 71	QPSK20M	Rear Face	133222	Ant0	1	0	DSI-4/5	-	24.0	22.37	-0.01	0.305	-	1.455	**0.44**
	LTE 71	QPSK20M	Front Face	133222	Ant0	50	25	DSI-4/5	-	23.0	21.29	-0.14	0.244	-	1.483	0.36
	LTE 71	QPSK20M	Rear Face	133222	Ant0	50	25	DSI-4/5	-	23.0	21.29	-0.08	0.271	-	1.483	0.40
	n7	DFT-QPSK25M	Front Face	511500	Ant6	1	1	DSI-4/5	100	24.0	23.59	0.09	0.156	-	1.099	0.17
	n7	DFT-QPSK25M	Rear Face	511500	Ant6	1	1	DSI-4/5	100	24.0	23.59	0.17	0.348	-	1.099	0.38
	n7	DFT-QPSK25M	Front Face	511500	Ant6	64	32	DSI-4/5	100	24.0	23.16	0.11	0.100	-	1.213	0.12
	n7	DFT-QPSK25M	Rear Face	511500	Ant6	64	32	DSI-4/5	100	24.0	23.16	0.09	0.227	-	1.213	0.28
	n7	DFT-QPSK25M	Front Face	511500	Ant10	1	1	DSI-4/5	100	24.0	23.33	-0.03	0.225	-	1.167	0.26
P53	n7	DFT-QPSK25M	Rear Face	511500	Ant10	1	1	DSI-4/5	100	24.0	23.33	0.10	0.487	-	1.167	**0.57**
	n7	DFT-QPSK25M	Front Face	511500	Ant10	64	32	DSI-4/5	100	24.0	23.18	0.16	0.222	-	1.208	0.27
	n7	DFT-QPSK25M	Rear Face	511500	Ant10	64	32	DSI-4/5	100	24.0	23.18	-0.12	0.413	-	1.208	0.50
	n12	DFT-QPSK15M	Front Face	141300	Ant0	1	1	DSI-4/5	100	24.0	23.14	0.06	0.304	-	1.219	0.37
	n12	DFT-QPSK15M	Rear Face	141300	Ant0	1	1	DSI-4/5	100	24.0	23.14	0.11	0.310	-	1.219	0.38
	n12	DFT-QPSK15M	Front Face	141300	Ant0	36	22	DSI-4/5	100	24.0	22.92	0.06	0.311	-	1.282	0.40
P54	n12	DFT-QPSK15M	Rear Face	141300	Ant0	36	22	DSI-4/5	100	24.0	22.92	-0.01	0.351	-	1.282	**0.45**
	n13	DFT-QPSK10M	Front Face	156400	Ant0	1	1	DSI-4/5	100	24.0	23.43	-0.18	0.106	-	1.140	0.12
P55	n13	DFT-QPSK10M	Rear Face	156400	Ant0	1	1	DSI-4/5	100	24.0	23.43	-0.02	0.199	-	1.140	**0.23**
	n13	DFT-QPSK10M	Front Face	156400	Ant0	25	14	DSI-4/5	100	24.0	23.26	-0.07	0.095	-	1.186	0.11
	n13	DFT-QPSK10M	Rear Face	156400	Ant0	25	14	DSI-4/5	100	24.0	23.26	0.11	0.185	-	1.186	0.22
	n14	DFT-QPSK10M	Front Face	158600	Ant0	1	1	DSI-4/5	100	24.0	23.53	0.13	0.151	-	1.114	0.17
P56	n14	DFT-QPSK10M	Rear Face	158600	Ant0	1	1	DSI-4/5	100	24.0	23.53	0.01	0.167	-	1.114	**0.19**
	n14	DFT-QPSK10M	Front Face	158600	Ant0	25	14	DSI-4/5	100	24.0	23.29	0.04	0.118	-	1.178	0.14
	n14	DFT-QPSK10M	Rear Face	158600	Ant0	25	14	DSI-4/5	100	24.0	23.29	0.07	0.120	-	1.178	0.14
	n25 / 2	DFT-QPSK40M	Front Face	374000	Ant0	1	1	DSI-4/5	100	24.0	23.30	0.01	0.125	-	1.175	0.15
P57	n25 / 2	DFT-QPSK40M	Rear Face	374000	Ant0	1	1	DSI-4/5	100	24.0	23.30	-0.08	0.232	-	1.175	**0.27**
	n25 / 2	DFT-QPSK40M	Front Face	374000	Ant0	108	54	DSI-4/5	100	24.0	23.14	-0.03	0.117	-	1.219	0.14
	n25 / 2	DFT-QPSK40M	Rear Face	374000	Ant0	108	54	DSI-4/5	100	24.0	23.14	-0.07	0.192	-	1.219	0.23
	n2	DFT-QPSK40M	Front Face	372000	Ant2	1	1	DSI-4/5	100	24.0	23.62	-0.04	0.112	-	1.091	0.12
P58	n2	DFT-QPSK40M	Rear Face	372000	Ant2	1	1	DSI-4/5	100	24.0	23.62	0.01	0.216	-	1.091	0.24
	n2	DFT-QPSK40M	Front Face	372000	Ant2	50	28	DSI-4/5	100	24.0	23.19	0.05	0.096	-	1.205	0.12
	n2	DFT-QPSK40M	Rear Face	372000	Ant2	50	28	DSI-4/5	100	24.0	23.19	-0.03	0.172	-	1.205	0.21
	n26 / 5	DFT-QPSK20M	Front Face	167800	Ant0	1	1	DSI-4	100	24.0	23.22	-0.05	0.148	-	1.197	0.18
P59	n26 / 5	DFT-QPSK20M	Rear Face	167800	Ant0	1	1	DSI-4	100	24.0	23.22	-0.16	0.199	-	1.197	**0.24**
	n26 / 5	DFT-QPSK20M	Front Face	167800	Ant0	50	28	DSI-4	100	24.0	22.98	0.13	0.142	-	1.265	0.18
	n26 / 5	DFT-QPSK20M	Rear Face	167800	Ant0	50	28	DSI-4	100	24.0	22.98	0.15	0.182	-	1.265	0.23
	n30	DFT-QPSK10M	Front Face	462000	Ant10	1	1	DSI-4/5	100	24.0	23.59	0.15	0.099	-	1.099	0.11
	n30	DFT-QPSK10M	Rear Face	462000	Ant10	1	1	DSI-4/5	100	24.0	23.59	0.16	0.177	-	1.099	0.19
	n30	DFT-QPSK10M	Front Face	462000	Ant10	25	14	DSI-4/5	100	24.0	23.46	0.13	0.096	-	1.132	0.11
P60	n30	DFT-QPSK10M	Rear Face	462000	Ant10	25	14	DSI-4/5	100	24.0	23.46	-0.18	0.197	-	1.132	**0.22**
	n66	DFT-QPSK40M	Front Face	346000	Ant0	1	1	DSI-4/5	100	24.0	23.00	0.13	0.166	-	1.259	0.21
P61	n66	DFT-QPSK40M	Rear Face	346000	Ant0	1	1	DSI-4/5	100	24.0	23.00	0.05	0.372	-	1.259	**0.47**
	n66	DFT-QPSK40M	Front Face	346000	Ant0	108	54	DSI-4/5	100	24.0	22.91	-0.17	0.077	-	1.285	0.10
	n66	DFT-QPSK40M	Rear Face	346000	Ant0	108	54	DSI-4/5	100	24.0	22.91	0.09	0.283	-	1.285	0.36
	n66	DFT-QPSK40M	Front Face	346000	Ant2	1	1	DSI-4/5	100	24.0	22.95	0.09	0.137	-	1.274	0.17
	n66	DFT-QPSK40M	Rear Face	346000	Ant2	1	1	DSI-4/5	100	24.0	22.95	-0.18	0.229	-	1.274	0.29
	n66	DFT-QPSK40M	Front Face	346000	Ant2	108	54	DSI-4/5	100	24.0	22.73	0.08	0.156	-	1.340	0.21
	n66	DFT-QPSK40M	Rear Face	346000	Ant2	108	54	DSI-4/5	100	24.0	22.73	-0.13	0.257	-	1.340	0.34
	n71	DFT-QPSK20M	Front Face	134600	Ant0	1	1	DSI-4/5	100	24.0	23.06	-0.08	0.236	-	1.242	0.29
P62	n71	DFT-QPSK20M	Rear Face	134600	Ant0	1	1	DSI-4/5	100	24.0	23.06	0.03	0.246	-	1.242	**0.31**
	n71	DFT-QPSK20M	Front Face	134600	Ant0	50	28	DSI-4/5	100	24.0	22.80	-0.15	0.211	-	1.318	0.28
	n71	DFT-QPSK20M	Rear Face	134600	Ant0	50	28	DSI-4/5	100	24.0	22.80	-0.01	0.223	-	1.318	0.29
	n38	DFT-QPSK40M	Front Face	520000	Ant6	1	1	DSI-4/5	100	24.0	23.13	-0.09	0.140	-	1.222	0.17
P63	n38	DFT-QPSK40M	Rear Face	520000	Ant6	1	1	DSI-4/5	100	24.0	23.13	-0.02	0.382	-	1.222	**0.47**
	n38	DFT-QPSK40M	Front Face	520000	Ant6	50	28	DSI-4/5	100	24.0	22.91	0.07	0.137	-	1.285	0.18
	n38	DFT-QPSK40M	Rear Face	520000	Ant6	50	28	DSI-4/5	100	24.0	22.91	-0.05	0.331	-	1.285	0.43
	n38	DFT-QPSK40M	Front Face	520000	Ant10	1	1	DSI-4/5	100	24.0	23.06	-0.17	0.151	-	1.242	0.19
	n38	DFT-QPSK40M	Rear Face	520000	Ant10	1	1	DSI-4/5	100	24.0	23.06	-0.04	0.316	-	1.242	0.39
	n38	DFT-QPSK40M	Front Face	520000	Ant10	50	28	DSI-4/5	100	23.0	22.75	-0.16	0.124	-	1.059	0.13
	n38	DFT-QPSK40M	Rear Face	520000	Ant10	50	28	DSI-4/5	100	23.0	22.75	-0.14	0.266	-	1.059	0.28
	n41	DFT-QPSK100M	Front Face	528000	Ant10	1	1	DSI-4/5	100	24.0	23.57	0.03	0.172	-	1.104	0.19
	n41	DFT-QPSK100M	Rear Face	528000	Ant10	1	1	DSI-4/5	100	24.0	23.57	0.18	0.366	-	1.104	0.40
	n41	DFT-QPSK100M	Front Face	528000	Ant10	135	69	DSI-4/5	100	24.0	23.48	0.12	0.186	-	1.127	0.21
	n41	DFT-QPSK100M	Rear Face	528000	Ant10	135	69	DSI-4/5	100	24.0	23.48	0.12	0.349	-	1.127	0.39
	n41 HPUE	DFT-QPSK100M	Front Face	528000	Ant10	1	1	DSI-4/5	50	27.0	26.48	0.07	0.240	-	1.127	0.27
P64	n41 HPUE	DFT-QPSK100M	Rear Face	528000	Ant10	1	1	DSI-4/5	50	27.0	26.48	0.18	0.403	-	1.127	**0.45**
	n41 HPUE	DFT-QPSK100M	Front Face	528000	Ant10	135	69	DSI-4/5	50	27.0	26.19	-0.10	0.253	-	1.205	0.30
	n41 HPUE	DFT-QPSK100M	Rear Face	528000	Ant10	135	69	DSI-4/5	50	27.0	26.19	0.03	0.345	-	1.205	0.42
	n48	DFT-QPSK40M	Front Face	638000	Ant11	1	1	DSI-4	100	22.0	21.36	-0.06	0.142	-	1.159	0.16
P65	n48	DFT-QPSK40M	Rear Face	638000	Ant11	1	1	DSI-4	100	22.0	21.36	0.09	0.779	-	1.159	**0.90**
	n48	DFT-QPSK40M	Front Face	638000	Ant11	50	28	DSI-4	100	22.0	21.20	-0.12	0.122	-	1.202	0.15
	n48	DFT-QPSK40M	Rear Face	638000	Ant11	50	28	DSI-4	100	22.0	21.20	0.19	0.716	-	1.202	0.86
	n48	DFT-QPSK40M	Rear Face	641666	Ant11	1	1	DSI-4	100	22.0	21.31	-0.08	0.699		1.172	0.82

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n48	DFT-QPSK40M	Rear Face	645332	Ant11	1	1	DSI-4	100	22.0	21.24	-0.19	0.674		1.191	0.80
	n48	DFT-QPSK40M	Rear Face	638000	Ant11	100	0	DSI-4	100	21.0	20.15	0.02	0.734	-	1.216	0.89
	n48	DFT-QPSK40M	Front Face	638000	Ant11	1	1	DSI-5	100	20.5	19.89	0.06	0.114	-	1.151	0.13
	n48	DFT-QPSK40M	Rear Face	638000	Ant11	1	1	DSI-5	100	20.5	19.89	0.10	0.557	-	1.151	0.64
	n48	DFT-QPSK40M	Front Face	638000	Ant11	50	28	DSI-5	100	20.5	19.72	0.13	0.089	-	1.197	0.11
	n48	DFT-QPSK40M	Rear Face	638000	Ant11	50	28	DSI-5	100	20.5	19.72	-0.09	0.445	-	1.197	0.53
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant11	1	1	DSI-4	100	21.0	19.73	0.08	0.098	-	1.340	0.13
P66	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant11	1	1	DSI-4	100	21.0	19.73	-0.08	0.718	-	1.340	**0.96**
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant11	135	69	DSI-4	100	21.0	19.46	0.11	0.097	-	1.426	0.14
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant11	135	69	DSI-4	100	21.0	19.46	0.01	0.654	-	1.426	0.93
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant11	270	0	DSI-4	100	21.0	19.43	-0.15	0.624	-	1.435	0.90
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant11	1	1	DSI-5	100	19.5	18.31	0.02	0.064	-	1.315	0.08
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant11	1	1	DSI-5	100	19.5	18.31	0.12	0.542	-	1.315	0.71
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant11	135	69	DSI-5	100	19.5	17.90	-0.01	0.063	-	1.445	0.09
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant11	135	69	DSI-5	100	19.5	17.90	0.00	0.486	-	1.445	0.70
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant11	1	1	DSI-4	100	21.0	20.18	0.12	0.107	-	1.208	0.13
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant11	1	1	DSI-4	100	21.0	20.18	-0.18	0.430	-	1.208	0.52
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant11	135	69	DSI-4	100	21.0	19.94	-0.04	0.078	-	1.276	0.10
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant11	135	69	DSI-4	100	21.0	19.94	0.18	0.336	-	1.276	0.43
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant11	1	1	DSI-5	100	19.5	18.67	-0.16	0.083	-	1.211	0.10
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant11	1	1	DSI-5	100	19.5	18.67	-0.11	0.469	-	1.211	0.57
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant11	135	69	DSI-5	100	19.5	18.31	0.19	0.072	-	1.315	0.09
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant11	135	69	DSI-5	100	19.5	18.31	-0.17	0.291	-	1.315	0.38
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant5	1	1	DSI-4	100	21.0	19.73	0.14	0.077	-	1.340	0.10
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant5	1	1	DSI-4	100	21.0	19.73	0.11	0.036	-	1.340	0.05
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant5	135	69	DSI-4	100	21.0	19.46	-0.10	0.072	-	1.426	0.10
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant5	135	69	DSI-4	100	21.0	19.46	0.02	0.346	-	1.426	0.49
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant5	1	1	DSI-5	100	19.5	18.27	0.00	0.066	-	1.327	0.09
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant5	1	1	DSI-5	100	19.5	18.27	-0.17	0.250	-	1.327	0.33
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant5	135	69	DSI-5	100	19.5	17.87	-0.08	0.060	-	1.455	0.09
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant5	135	69	DSI-5	100	19.5	17.87	-0.01	0.240	-	1.455	0.35
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant5	1	1	DSI-4	100	21.0	20.18	0.13	0.088	-	1.208	0.11
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant5	1	1	DSI-4	100	21.0	20.18	0.06	0.290	-	1.208	0.35
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant5	135	69	DSI-4	100	21.0	19.94	-0.13	0.106	-	1.276	0.14
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant5	135	69	DSI-4	100	21.0	19.94	0.01	0.266	-	1.276	0.34
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant5	1	1	DSI-5	100	19.5	18.65	0.05	0.066	-	1.216	0.08
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant5	1	1	DSI-5	100	19.5	18.65	0.08	0.195	-	1.216	0.24
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant5	135	69	DSI-5	100	19.5	18.29	-0.12	0.104	-	1.321	0.14
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant5	135	69	DSI-5	100	19.5	18.29	0.15	0.194	-	1.321	0.26

4.6.4 SAR Results for Hotspot Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS 2Tx Slot	Front Face	189	Ant0	-	-	DSI-3	-	30.5	28.69	-0.16	0.302	-	1.517	0.46
P67	GSM850	GPRS 2Tx Slot	Rear Face	189	Ant0	-	-	DSI-3	-	30.5	28.69	-0.04	0.338	-	1.517	**0.51**
	GSM850	GPRS 2Tx Slot	Left Side	189	Ant0	-	-	DSI-3	-	30.5	28.69	0.04	0.262	-	1.517	0.40
	GSM850	GPRS 2Tx Slot	Right Side	189	Ant0	-	-	DSI-3	-	30.5	28.69	0.03	0.138	-	1.517	0.21
	GSM850	GPRS 2Tx Slot	Bottom Side	189	Ant0	-	-	DSI-3	-	30.5	28.69	-0.11	0.156	-	1.517	0.24
	GSM1900	GPRS 2Tx Slot	Front Face	512	Ant0	-	-	DSI-3	-	28.0	26.58	0.05	0.180	-	1.387	0.25
	GSM1900	GPRS 2Tx Slot	Rear Face	512	Ant0	-	-	DSI-3	-	28.0	26.58	0.05	0.255	-	1.387	0.35
	GSM1900	GPRS 2Tx Slot	Left Side	512	Ant0	-	-	DSI-3	-	28.0	26.58	-0.11	0.000	-	1.387	0.00
	GSM1900	GPRS 2Tx Slot	Right Side	512	Ant0	-	-	DSI-3	-	28.0	26.58	0.09	0.126	-	1.387	0.17
P68	GSM1900	GPRS 2Tx Slot	Bottom Side	512	Ant0	-	-	DSI-3	-	28.0	26.58	0.05	0.398	-	1.387	**0.55**
	WCDMA II	RMC12.2K	Front Face	9262	Ant0	-	-	DSI-3	-	23.5	22.45	0.17	0.319	-	1.274	0.41
	WCDMA II	RMC12.2K	Rear Face	9262	Ant0	-	-	DSI-3	-	23.5	22.45	-0.06	0.467	-	1.274	0.59
	WCDMA II	RMC12.2K	Left Side	9262	Ant0	-	-	DSI-3	-	23.5	22.45	0.09	0.000	-	1.274	0.00
	WCDMA II	RMC12.2K	Right Side	9262	Ant0	-	-	DSI-3	-	23.5	22.45	0.09	0.201	-	1.274	0.26
P69	WCDMA II	RMC12.2K	Bottom Side	9262	Ant0	-	-	DSI-3	-	23.5	22.45	0.03	0.599	-	1.274	**0.76**
	WCDMA IV	RMC12.2K	Front Face	1413	Ant0	-	-	DSI-3	-	22.0	20.87	0.06	0.295	-	1.297	0.38
	WCDMA IV	RMC12.2K	Rear Face	1413	Ant0	-	-	DSI-3	-	22.0	20.87	0.13	0.480	-	1.297	0.62
	WCDMA IV	RMC12.2K	Left Side	1413	Ant0	-	-	DSI-3	-	22.0	20.87	0.17	0.049	-	1.297	0.06
	WCDMA IV	RMC12.2K	Right Side	1413	Ant0	-	-	DSI-3	-	22.0	20.87	-0.18	0.121	-	1.297	0.16
P70	WCDMA IV	RMC12.2K	Bottom Side	1413	Ant0	-	-	DSI-3	-	22.0	20.87	0.05	0.591	-	1.297	**0.77**
	WCDMA V	RMC12.2K	Front Face	4182	Ant0	-	-	DSI-3	-	24.0	22.94	0.18	0.222	-	1.276	0.28
	WCDMA V	RMC12.2K	Rear Face	4182	Ant0	-	-	DSI-3	-	24.0	22.94	0.03	0.222	-	1.276	0.28
P71	WCDMA V	RMC12.2K	Left Side	4182	Ant0	-	-	DSI-3	-	24.0	22.94	-0.03	0.272	-	1.276	**0.35**
	WCDMA V	RMC12.2K	Right Side	4182	Ant0	-	-	DSI-3	-	24.0	22.94	0.05	0.193	-	1.276	0.25
	WCDMA V	RMC12.2K	Bottom Side	4182	Ant0	-	-	DSI-3	-	24.0	22.94	-0.17	0.139	-	1.276	0.18
	LTE 7	QPSK20M	Front Face	21350	Ant6	1	99	DSI-3	-	21.5	20.12	0.02	0.180	-	1.374	0.25
	LTE 7	QPSK20M	Rear Face	21350	Ant6	1	99	DSI-3	-	21.5	20.12	-0.07	0.326	-	1.374	0.45
	LTE 7	QPSK20M	Right Side	21350	Ant6	1	99	DSI-3	-	21.5	20.12	-0.16	0.408	-	1.374	0.56
	LTE 7	QPSK20M	Bottom Side	21350	Ant6	1	99	DSI-3	-	21.5	20.12	0.01	0.096	-	1.374	0.13

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 7	QPSK20M	Front Face	21350	Ant6	50	50	DSI-3	-	20.5	19.16	0.10	0.134	-	1.361	0.18
	LTE 7	QPSK20M	Rear Face	21350	Ant6	50	50	DSI-3	-	20.5	19.16	0.01	0.308	-	1.361	0.42
	LTE 7	QPSK20M	Right Side	21350	Ant6	50	50	DSI-3	-	20.5	19.16	0.17	0.313	-	1.361	0.43
	LTE 7	QPSK20M	Bottom Side	21350	Ant6	50	50	DSI-3	-	20.5	19.16	-0.17	0.079	-	1.361	0.11
	LTE 7	QPSK20M	Front Face	21350	Ant10	1	99	DSI-3	-	22.0	20.49	0.05	0.155	-	1.416	0.22
P72	LTE 7	QPSK20M	Rear Face	21350	Ant10	1	99	DSI-3	-	22.0	20.49	-0.16	0.399	-	1.416	**0.56**
	LTE 7	QPSK20M	Left Side	21350	Ant10	1	99	DSI-3	-	22.0	20.49	-0.10	0.257	-	1.416	0.36
	LTE 7	QPSK20M	Front Face	21350	Ant10	50	25	DSI-3	-	21.0	19.39	-0.09	0.130	-	1.449	0.19
	LTE 7	QPSK20M	Rear Face	21350	Ant10	50	25	DSI-3	-	21.0	19.39	0.12	0.284	-	1.449	0.41
	LTE 7	QPSK20M	Left Side	21350	Ant10	50	25	DSI-3	-	21.0	19.39	-0.16	0.223	-	1.449	0.32
	LTE 12 / 17	QPSK10M	Front Face	23060	Ant0	1	49	DSI-3	-	24.0	22.42	0.15	0.273	-	1.439	0.39
P73	LTE 12 / 17	QPSK10M	Rear Face	23060	Ant0	1	49	DSI-3	-	24.0	22.42	-0.05	0.366	-	1.439	**0.53**
	LTE 12 / 17	QPSK10M	Left Side	23060	Ant0	1	49	DSI-3	-	24.0	22.42	0.17	0.336	-	1.439	0.48
	LTE 12 / 17	QPSK10M	Right Side	23060	Ant0	1	49	DSI-3	-	24.0	22.42	-0.05	0.216	-	1.439	0.31
	LTE 12 / 17	QPSK10M	Bottom Side	23060	Ant0	1	49	DSI-3	-	24.0	22.42	-0.15	0.088	-	1.439	0.13
	LTE 12 / 17	QPSK10M	Front Face	23060	Ant0	25	25	DSI-3	-	23.0	21.40	0.08	0.211	-	1.445	0.30
	LTE 12 / 17	QPSK10M	Rear Face	23060	Ant0	25	25	DSI-3	-	23.0	21.40	0.14	0.292	-	1.445	0.42
	LTE 12 / 17	QPSK10M	Left Side	23060	Ant0	25	25	DSI-3	-	23.0	21.40	-0.15	0.239	-	1.445	0.35
	LTE 12 / 17	QPSK10M	Right Side	23060	Ant0	25	25	DSI-3	-	23.0	21.40	0.18	0.185	-	1.445	0.27
	LTE 12 / 17	QPSK10M	Bottom Side	23060	Ant0	25	25	DSI-3	-	23.0	21.40	0.14	0.066	-	1.445	0.10
	LTE 13	QPSK10M	Front Face	23230	Ant0	1	24	DSI-3	-	24.0	22.57	-0.09	0.246	-	1.390	0.34
	LTE 13	QPSK10M	Rear Face	23230	Ant0	1	24	DSI-3	-	24.0	22.57	-0.13	0.255	-	1.390	0.35
P74	LTE 13	QPSK10M	Left Side	23230	Ant0	1	24	DSI-3	-	24.0	22.57	-0.01	0.319	-	1.390	**0.44**
	LTE 13	QPSK10M	Right Side	23230	Ant0	1	24	DSI-3	-	24.0	22.57	0.05	0.171	-	1.390	0.24
	LTE 13	QPSK10M	Bottom Side	23230	Ant0	1	24	DSI-3	-	24.0	22.57	0.18	0.133	-	1.390	0.18
	LTE 13	QPSK10M	Front Face	23230	Ant0	25	25	DSI-3	-	23.0	21.58	0.04	0.186	-	1.387	0.26
	LTE 13	QPSK10M	Rear Face	23230	Ant0	25	25	DSI-3	-	23.0	21.58	-0.08	0.215	-	1.387	0.30
	LTE 13	QPSK10M	Left Side	23230	Ant0	25	25	DSI-3	-	23.0	21.58	-0.17	0.209	-	1.387	0.29
	LTE 13	QPSK10M	Right Side	23230	Ant0	25	25	DSI-3	-	23.0	21.58	0.12	0.137	-	1.387	0.19
	LTE 13	QPSK10M	Bottom Side	23230	Ant0	25	25	DSI-3	-	23.0	21.58	-0.06	0.106	-	1.387	0.15
	LTE 14	QPSK10M	Front Face	23330	Ant0	1	24	DSI-3	-	24.0	22.71	-0.02	0.205	-	1.346	0.28
P75	LTE 14	QPSK10M	Rear Face	23330	Ant0	1	24	DSI-3	-	24.0	22.71	0.04	0.288	-	1.346	**0.39**
	LTE 14	QPSK10M	Left Side	23330	Ant0	1	24	DSI-3	-	24.0	22.71	0.06	0.281	-	1.346	0.38
	LTE 14	QPSK10M	Right Side	23330	Ant0	1	24	DSI-3	-	24.0	22.71	0.14	0.135	-	1.346	0.18
	LTE 14	QPSK10M	Bottom Side	23330	Ant0	1	24	DSI-3	-	24.0	22.71	-0.07	0.177	-	1.346	0.24
	LTE 14	QPSK10M	Front Face	23330	Ant0	25	25	DSI-3	-	23.0	21.65	-0.13	0.166	-	1.365	0.23
	LTE 14	QPSK10M	Rear Face	23330	Ant0	25	25	DSI-3	-	23.0	21.65	0.11	0.232	-	1.365	0.32
	LTE 14	QPSK10M	Left Side	23330	Ant0	25	25	DSI-3	-	23.0	21.65	0.01	0.191	-	1.365	0.26
	LTE 14	QPSK10M	Right Side	23330	Ant0	25	25	DSI-3	-	23.0	21.65	0.19	0.116	-	1.365	0.16
	LTE 14	QPSK10M	Bottom Side	23330	Ant0	25	25	DSI-3	-	23.0	21.65	0.10	0.142	-	1.365	0.19
	LTE 25 / 2	QPSK20M	Front Face	26340	Ant0	1	0	DSI-3	-	24.0	22.56	0.02	0.305	-	1.393	0.42
	LTE 25 / 2	QPSK20M	Rear Face	26340	Ant0	1	0	DSI-3	-	24.0	22.56	-0.19	0.448	-	1.393	0.62
	LTE 25 / 2	QPSK20M	Left Side	26340	Ant0	1	0	DSI-3	-	24.0	22.56	0.04	0.063	-	1.393	0.09
	LTE 25 / 2	QPSK20M	Right Side	26340	Ant0	1	0	DSI-3	-	24.0	22.56	-0.16	0.351	-	1.393	0.49
P76	LTE 25 / 2	QPSK20M	Bottom Side	26340	Ant0	1	0	DSI-3	-	24.0	22.56	0.02	0.646	-	1.393	**0.90**
	LTE 25 / 2	QPSK20M	Front Face	26340	Ant0	50	0	DSI-3	-	23.0	21.65	0.05	0.257	-	1.365	0.35
	LTE 25 / 2	QPSK20M	Rear Face	26340	Ant0	50	0	DSI-3	-	23.0	21.65	0.07	0.374	-	1.365	0.51
	LTE 25 / 2	QPSK20M	Left Side	26340	Ant0	50	0	DSI-3	-	23.0	21.65	0.17	0.056	-	1.365	0.08
	LTE 25 / 2	QPSK20M	Right Side	26340	Ant0	50	0	DSI-3	-	23.0	21.65	0.08	0.275	-	1.365	0.38
	LTE 25 / 2	QPSK20M	Bottom Side	26340	Ant0	50	0	DSI-3	-	23.0	21.65	-0.18	0.438	-	1.365	0.60
	LTE 25 / 2	QPSK20M	Bottom Side	26140	Ant0	1	0	DSI-3	-	24.0	22.47	0.00	0.628	-	1.422	0.89
	LTE 25 / 2	QPSK20M	Bottom Side	26590	Ant0	1	0	DSI-3	-	24.0	22.39	0.18	0.567	-	1.449	0.82
	LTE 25 / 2	QPSK20M	Bottom Side	26340	Ant0	100	0	DSI-3	-	24.0	21.61	-0.07	0.495	-	1.734	0.86
	LTE 2	QPSK20M	Front Face	18700	Ant2	1	0	DSI-3	-	24.0	22.44	0.17	0.169	-	1.432	0.24
P77	LTE 2	QPSK20M	Rear Face	18700	Ant2	1	0	DSI-3	-	24.0	22.44	0.07	0.318	-	1.432	0.46
	LTE 2	QPSK20M	Right Side	18700	Ant2	1	0	DSI-3	-	24.0	22.44	0.11	0.280	-	1.432	0.40
	LTE 2	QPSK20M	Bottom Side	18700	Ant2	1	0	DSI-3	-	24.0	22.44	-0.14	0.000	-	1.432	0.00
	LTE 2	QPSK20M	Front Face	18700	Ant2	50	25	DSI-3	-	23.0	21.42	-0.04	0.133	-	1.439	0.19
	LTE 2	QPSK20M	Rear Face	18700	Ant2	50	25	DSI-3	-	23.0	21.42	0.04	0.233	-	1.439	0.34
	LTE 2	QPSK20M	Right Side	18700	Ant2	50	25	DSI-3	-	23.0	21.42	-0.15	0.214	-	1.439	0.31
	LTE 2	QPSK20M	Bottom Side	18700	Ant2	50	25	DSI-3	-	23.0	21.42	0.18	0.000	-	1.439	0.00
	LTE 26 / 5	QPSK15M	Front Face	26765	Ant0	1	0	DSI-3	-	24.0	22.21	-0.09	0.203	-	1.510	0.31
P78	LTE 26 / 5	QPSK15M	Rear Face	26765	Ant0	1	0	DSI-3	-	24.0	22.21	0.08	0.282	-	1.510	**0.43**
	LTE 26 / 5	QPSK15M	Left Side	26765	Ant0	1	0	DSI-3	-	24.0	22.21	0.03	0.186	-	1.510	0.28
	LTE 26 / 5	QPSK15M	Right Side	26765	Ant0	1	0	DSI-3	-	24.0	22.21	0.13	0.139	-	1.510	0.21
	LTE 26 / 5	QPSK15M	Bottom Side	26765	Ant0	1	0	DSI-3	-	24.0	22.21	-0.14	0.100	-	1.510	0.15
	LTE 26 / 5	QPSK15M	Front Face	26765	Ant0	36	39	DSI-3	-	23.0	21.28	0.12	0.146	-	1.486	0.22
	LTE 26 / 5	QPSK15M	Rear Face	26765	Ant0	36	39	DSI-3	-	23.0	21.28	-0.10	0.220	-	1.486	0.33
	LTE 26 / 5	QPSK15M	Left Side	26765	Ant0	36	39	DSI-3	-	23.0	21.28	0.12	0.132	-	1.486	0.20
	LTE 26 / 5	QPSK15M	Right Side	26765	Ant0	36	39	DSI-3	-	23.0	21.28	-0.01	0.098	-	1.486	0.15
	LTE 26 / 5	QPSK15M	Bottom Side	26765	Ant0	36	39	DSI-3	-	23.0	21.28	0.00	0.100	-	1.486	0.15
	LTE 30	QPSK10M	Front Face	27710	Ant10	1	24	DSI-3	-	24.0	23.16	-0.08	0.268	-	1.213	0.33
	LTE 30	QPSK10M	Rear Face	27710	Ant10	1	24	DSI-3	-	24.0	23.16	0.08	0.429	-	1.213	0.52
P79	LTE 30	QPSK10M	Left Side	27710	Ant10	1	24	DSI-3	-	24.0	23.16	0.12	0.464	-	1.213	**0.56**
	LTE 30	QPSK10M	Front Face	27710	Ant10	25	12	DSI-3	-	23.0	22.13	-0.05	0.231	-	1.222	0.28
	LTE 30	QPSK10M	Rear Face	27710	Ant10	25	12	DSI-3	-	23.0	22.13	-0.01	0.363	-	1.222	0.44
	LTE 30	QPSK10M	Left Side	27710	Ant10	25	12	DSI-3	-	23.0	22.13	-0.01	0.379	-	1.222	0.46
	LTE 30	QPSK10M	Front Face	27710	Ant6	1	24	DSI-3	-	24.0	23.11	-0.07	0.088	-	1.227	0.11

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 30	QPSK10M	Rear Face	27710	Ant6	1	24	DSI-3	-	24.0	23.11	0.17	0.187	-	1.227	0.23
	LTE 30	QPSK10M	Right Side	27710	Ant6	1	24	DSI-3	-	24.0	23.11	0.05	0.023	-	1.227	0.03
	LTE 30	QPSK10M	Front Face	27710	Ant6	25	25	DSI-3	-	23.0	21.98	0.14	0.068	-	1.265	0.09
	LTE 30	QPSK10M	Rear Face	27710	Ant6	25	25	DSI-3	-	23.0	21.98	-0.16	0.181	-	1.265	0.23
	LTE 30	QPSK10M	Right Side	27710	Ant6	25	25	DSI-3	-	23.0	21.98	-0.11	0.000	-	1.265	0.00
	LTE 38	QPSK20M	Front Face	38150	Ant6	1	50	DSI-3	62.9	24.0	22.79	-0.08	0.193	1.006	1.321	0.26
P80	LTE 38	QPSK20M	Rear Face	38150	Ant6	1	50	DSI-3	62.9	24.0	22.79	-0.04	0.437	1.006	1.321	**0.58**
	LTE 38	QPSK20M	Right Side	38150	Ant6	1	50	DSI-3	62.9	24.0	22.79	0.02	0.404	1.006	1.321	0.54
	LTE 38	QPSK20M	Bottom Side	38150	Ant6	1	50	DSI-3	62.9	24.0	22.79	0.04	0.114	1.006	1.321	0.15
	LTE 38	QPSK20M	Front Face	38150	Ant6	50	50	DSI-3	62.9	23.0	21.80	0.17	0.149	1.006	1.318	0.20
	LTE 38	QPSK20M	Rear Face	38150	Ant6	50	50	DSI-3	62.9	23.0	21.80	-0.01	0.377	1.006	1.318	0.50
	LTE 38	QPSK20M	Right Side	38150	Ant6	50	50	DSI-3	62.9	23.0	21.80	-0.19	0.369	1.006	1.318	0.49
	LTE 38	QPSK20M	Bottom Side	38150	Ant6	50	50	DSI-3	62.9	23.0	21.80	-0.12	0.085	1.006	1.318	0.11
	LTE 41	QPSK20M	Front Face	41490	Ant10	1	0	DSI-3	62.9	24.0	23.30	0.13	0.147	1.006	1.175	0.17
P81	LTE 41	QPSK20M	Rear Face	41490	Ant10	1	0	DSI-3	62.9	24.0	23.30	0.05	0.289	1.006	1.175	**0.34**
	LTE 41	QPSK20M	Left Side	41490	Ant10	1	0	DSI-3	62.9	24.0	23.30	0.07	0.286	1.006	1.175	0.34
	LTE 41	QPSK20M	Front Face	41490	Ant10	50	0	DSI-3	62.9	23.0	22.24	0.02	0.129	1.006	1.191	0.15
	LTE 41	QPSK20M	Rear Face	41490	Ant10	50	0	DSI-3	62.9	23.0	22.24	-0.14	0.235	1.006	1.191	0.28
	LTE 41	QPSK20M	Left Side	41490	Ant10	50	0	DSI-3	62.9	23.0	22.24	-0.17	0.199	1.006	1.191	0.24
	LTE 42	QPSK20M	Front Face	42590	Ant11	1	0	DSI-3	62.9	17.0	16.19	0.01	0.084	1.006	1.205	0.10
P82	LTE 42	QPSK20M	Rear Face	42590	Ant11	1	0	DSI-3	62.9	17.0	16.19	0.04	0.305	1.006	1.205	**0.37**
	LTE 42	QPSK20M	Right Side	42590	Ant11	1	0	DSI-3	62.9	17.0	16.19	-0.10	0.159	1.006	1.205	0.19
	LTE 42	QPSK20M	Top Side	42590	Ant11	1	0	DSI-3	62.9	17.0	16.19	0.05	0.042	1.006	1.205	0.05
	LTE 42	QPSK20M	Front Face	42590	Ant11	50	0	DSI-3	62.9	16.0	15.18	0.12	0.063	1.006	1.208	0.08
	LTE 42	QPSK20M	Rear Face	42590	Ant11	50	0	DSI-3	62.9	16.0	15.18	-0.18	0.264	1.006	1.208	0.32
	LTE 42	QPSK20M	Right Side	42590	Ant11	50	0	DSI-3	62.9	16.0	15.18	0.11	0.121	1.006	1.208	0.15
	LTE 42	QPSK20M	Top Side	42590	Ant11	50	0	DSI-3	62.9	16.0	15.18	-0.19	0.033	1.006	1.208	0.04
	LTE 48 / 43	QPSK20M	Front Face	56640	Ant11	1	50	DSI-3	62.9	17.5	16.73	-0.06	0.056	1.006	1.194	0.07
P83	LTE 48 / 43	QPSK20M	Rear Face	56640	Ant11	1	50	DSI-3	62.9	17.5	16.73	-0.03	0.233	1.006	1.194	**0.28**
	LTE 48 / 43	QPSK20M	Right Side	56640	Ant11	1	50	DSI-3	62.9	17.5	16.73	-0.06	0.155	1.006	1.194	0.19
	LTE 48 / 43	QPSK20M	Top Side	56640	Ant11	1	50	DSI-3	62.9	17.5	16.73	0.11	0.070	1.006	1.194	0.08
	LTE 48 / 43	QPSK20M	Front Face	56640	Ant11	50	0	DSI-3	62.9	16.5	15.71	0.13	0.053	1.006	1.199	0.06
	LTE 48 / 43	QPSK20M	Rear Face	56640	Ant11	50	0	DSI-3	62.9	16.5	15.71	-0.03	0.132	1.006	1.199	0.16
	LTE 48 / 43	QPSK20M	Right Side	56640	Ant11	50	0	DSI-3	62.9	16.5	15.71	-0.09	0.044	1.006	1.199	0.05
	LTE 48 / 43	QPSK20M	Top Side	56640	Ant11	50	0	DSI-3	62.9	16.5	15.71	0.17	0.046	1.006	1.199	0.06
	LTE 66 / 4	QPSK20M	Front Face	132322	Ant0	1	0	DSI-3	-	22.0	20.51	0.10	0.223	-	1.409	0.31
	LTE 66 / 4	QPSK20M	Rear Face	132322	Ant0	1	0	DSI-3	-	22.0	20.51	-0.08	0.397	-	1.409	0.56
	LTE 66 / 4	QPSK20M	Left Side	132322	Ant0	1	0	DSI-3	-	22.0	20.51	0.10	0.000	-	1.409	0.00
	LTE 66 / 4	QPSK20M	Right Side	132322	Ant0	1	0	DSI-3	-	22.0	20.51	-0.03	0.125	-	1.409	0.18
P84	LTE 66 / 4	QPSK20M	Bottom Side	132322	Ant0	1	0	DSI-3	-	22.0	20.51	-0.08	0.526	-	1.409	**0.74**
	LTE 66 / 4	QPSK20M	Front Face	132322	Ant0	50	50	DSI-3	-	21.0	19.45	0.19	0.204	-	1.429	0.29
	LTE 66 / 4	QPSK20M	Rear Face	132322	Ant0	50	50	DSI-3	-	21.0	19.45	0.18	0.317	-	1.429	0.45
	LTE 66 / 4	QPSK20M	Left Side	132322	Ant0	50	50	DSI-3	-	21.0	19.45	0.16	0.000	-	1.429	0.00
	LTE 66 / 4	QPSK20M	Right Side	132322	Ant0	50	50	DSI-3	-	21.0	19.45	0.00	0.122	-	1.429	0.17
	LTE 66 / 4	QPSK20M	Bottom Side	132322	Ant0	50	50	DSI-3	-	21.0	19.45	-0.18	0.435	-	1.429	0.62
	LTE 66	QPSK20M	Front Face	132322	Ant2	1	0	DSI-3	-	22.0	20.43	-0.08	0.172	-	1.435	0.25
	LTE 66	QPSK20M	Rear Face	132322	Ant2	1	0	DSI-3	-	22.0	20.43	0.00	0.279	-	1.435	0.40
	LTE 66	QPSK20M	Right Side	132322	Ant2	1	0	DSI-3	-	22.0	20.43	0.13	0.363	-	1.435	0.52
	LTE 66	QPSK20M	Bottom Side	132322	Ant2	1	0	DSI-3	-	22.0	20.43	-0.19	0.035	-	1.435	0.05
	LTE 66	QPSK20M	Front Face	132322	Ant2	50	25	DSI-3	-	21.0	19.44	-0.04	0.169	-	1.432	0.24
	LTE 66	QPSK20M	Rear Face	132322	Ant2	50	25	DSI-3	-	21.0	19.44	-0.12	0.268	-	1.432	0.38
	LTE 66	QPSK20M	Right Side	132322	Ant2	50	25	DSI-3	-	21.0	19.44	0.06	0.277	-	1.432	0.40
	LTE 66	QPSK20M	Bottom Side	132322	Ant2	50	25	DSI-3	-	21.0	19.44	-0.12	0.032	-	1.432	0.05
	LTE 71	QPSK20M	Front Face	133222	Ant0	1	0	DSI-3	-	24.0	22.37	0.05	0.283	-	1.455	0.41
P85	LTE 71	QPSK20M	Rear Face	133222	Ant0	1	0	DSI-3	-	24.0	22.37	0.03	0.364	-	1.455	**0.53**
	LTE 71	QPSK20M	Left Side	133222	Ant0	1	0	DSI-3	-	24.0	22.37	0.15	0.297	-	1.455	0.43
	LTE 71	QPSK20M	Right Side	133222	Ant0	1	0	DSI-3	-	24.0	22.37	0.09	0.262	-	1.455	0.38
	LTE 71	QPSK20M	Bottom Side	133222	Ant0	1	0	DSI-3	-	24.0	22.37	0.09	0.053	-	1.455	0.08
	LTE 71	QPSK20M	Front Face	133222	Ant0	50	25	DSI-3	-	23.0	21.29	0.11	0.220	-	1.483	0.33
	LTE 71	QPSK20M	Rear Face	133222	Ant0	50	25	DSI-3	-	23.0	21.29	0.18	0.301	-	1.483	0.45
	LTE 71	QPSK20M	Left Side	133222	Ant0	50	25	DSI-3	-	23.0	21.29	-0.15	0.225	-	1.483	0.33
	LTE 71	QPSK20M	Right Side	133222	Ant0	50	25	DSI-3	-	23.0	21.29	0.15	0.188	-	1.483	0.28
	LTE 71	QPSK20M	Bottom Side	133222	Ant0	50	25	DSI-3	-	23.0	21.29	0.00	0.048	-	1.483	0.07
	n7	DFT-QPSK25M	Front Face	511500	Ant6	1	1	DSI-3	-	21.5	20.92	0.06	0.191		1.143	0.22
	n7	DFT-QPSK25M	Rear Face	511500	Ant6	1	1	DSI-3	-	21.5	20.92	-0.12	0.417		1.143	0.48
	n7	DFT-QPSK25M	Right Side	511500	Ant6	1	1	DSI-3	-	21.5	20.92	0.10	0.472		1.143	0.54
	n7	DFT-QPSK25M	Bottom Side	511500	Ant6	1	1	DSI-3	-	21.5	20.92	0.19	0.103		1.143	0.12
	n7	DFT-QPSK25M	Front Face	511500	Ant6	64	32	DSI-3	-	21.5	20.68	-0.19	0.213		1.208	0.26
	n7	DFT-QPSK25M	Rear Face	511500	Ant6	64	32	DSI-3	-	21.5	20.68	-0.06	0.425		1.208	0.51
	n7	DFT-QPSK25M	Right Side	511500	Ant6	64	32	DSI-3	-	21.5	20.68	0.10	0.413		1.208	0.50
	n7	DFT-QPSK25M	Bottom Side	511500	Ant6	64	32	DSI-3	-	21.5	20.68	-0.04	0.112		1.208	0.14
	n7	DFT-QPSK25M	Front Face	511500	Ant10	1	1	DSI-3	-	21.5	20.80	0.08	0.220	-	1.175	0.26
P86	n7	DFT-QPSK25M	Rear Face	511500	Ant10	1	1	DSI-3	-	21.5	20.80	-0.07	0.470	-	1.175	**0.55**
	n7	DFT-QPSK25M	Left Side	511500	Ant10	1	1	DSI-3	-	21.5	20.80	-0.11	0.358	-	1.175	0.42
	n7	DFT-QPSK25M	Bottom Side	511500	Ant10	1	1	DSI-3	-	21.5	20.80	0.17	0.097	-	1.175	0.11
	n7	DFT-QPSK25M	Front Face	511500	Ant10	64	32	DSI-3	-	21.5	20.60	-0.02	0.250	-	1.230	0.31
	n7	DFT-QPSK25M	Rear Face	511500	Ant10	64	32	DSI-3	-	21.5	20.60	0.19	0.391	-	1.230	0.48
	n7	DFT-QPSK25M	Left Side	511500	Ant10	64	32	DSI-3	-	21.5	20.60	0.07	0.298	-	1.230	0.37

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n7	DFT-QPSK25M	Bottom Side	511500	Ant10	64	32	DSI-3	-	21.5	20.60	-0.13	0.085	-	1.230	0.10
	n12	DFT-QPSK15M	Front Face	141300	Ant0	1	1	DSI-3	-	24.0	23.14	-0.16	0.318	-	1.219	0.39
P87	n12	DFT-QPSK15M	Rear Face	141300	Ant0	1	1	DSI-3	-	24.0	23.14	0.04	0.405	-	1.219	**0.49**
	n12	DFT-QPSK15M	Left Side	141300	Ant0	1	1	DSI-3	-	24.0	23.14	0.01	0.318	-	1.219	0.39
	n12	DFT-QPSK15M	Right Side	141300	Ant0	1	1	DSI-3	-	24.0	23.14	-0.17	0.176	-	1.219	0.21
	n12	DFT-QPSK15M	Bottom Side	141300	Ant0	1	1	DSI-3	-	24.0	23.14	0.05	0.075	-	1.219	0.09
	n12	DFT-QPSK15M	Front Face	141300	Ant0	36	22	DSI-3	-	24.0	22.92	0.16	0.294	-	1.282	0.38
	n12	DFT-QPSK15M	Rear Face	141300	Ant0	36	22	DSI-3	-	24.0	22.92	-0.07	0.380	-	1.282	0.49
	n12	DFT-QPSK15M	Left Side	141300	Ant0	36	22	DSI-3	-	24.0	22.92	0.13	0.307	-	1.282	0.39
	n12	DFT-QPSK15M	Right Side	141300	Ant0	36	22	DSI-3	-	24.0	22.92	-0.09	0.172	-	1.282	0.22
	n12	DFT-QPSK15M	Bottom Side	141300	Ant0	36	22	DSI-3	-	24.0	22.92	0.08	0.067	-	1.282	0.09
	n13	DFT-QPSK10M	Front Face	156400	Ant0	1	1	DSI-3	-	24.0	23.43	0.01	0.181	-	1.140	0.21
	n13	DFT-QPSK10M	Rear Face	156400	Ant0	1	1	DSI-3	-	24.0	23.43	0.13	0.334	-	1.140	0.38
	n13	DFT-QPSK10M	Left Side	156400	Ant0	1	1	DSI-3	-	24.0	23.43	-0.17	0.095	-	1.140	0.11
	n13	DFT-QPSK10M	Right Side	156400	Ant0	1	1	DSI-3	-	24.0	23.43	0.16	0.053	-	1.140	0.06
	n13	DFT-QPSK10M	Bottom Side	156400	Ant0	1	1	DSI-3	-	24.0	23.43	0.13	0.096	-	1.140	0.11
	n13	DFT-QPSK10M	Front Face	156400	Ant0	25	14	DSI-3	-	24.0	23.26	0.18	0.175	-	1.186	0.21
P88	n13	DFT-QPSK10M	Rear Face	156400	Ant0	25	14	DSI-3	-	24.0	23.26	-0.02	0.353	-	1.186	**0.42**
	n13	DFT-QPSK10M	Left Side	156400	Ant0	25	14	DSI-3	-	24.0	23.26	0.12	0.100	-	1.186	0.12
	n13	DFT-QPSK10M	Right Side	156400	Ant0	25	14	DSI-3	-	24.0	23.26	0.10	0.054	-	1.186	0.06
	n13	DFT-QPSK10M	Bottom Side	156400	Ant0	25	14	DSI-3	-	24.0	23.26	-0.03	0.095	-	1.186	0.11
	n14	DFT-QPSK10M	Front Face	158600	Ant0	1	1	DSI-3	-	24.0	23.53	-0.06	0.208	-	1.114	0.23
	n14	DFT-QPSK10M	Rear Face	158600	Ant0	1	1	DSI-3	-	24.0	23.53	0.16	0.287	-	1.114	0.32
	n14	DFT-QPSK10M	Left Side	158600	Ant0	1	1	DSI-3	-	24.0	23.53	0.08	0.159	-	1.114	0.18
	n14	DFT-QPSK10M	Right Side	158600	Ant0	1	1	DSI-3	-	24.0	23.53	-0.11	0.120	-	1.114	0.13
	n14	DFT-QPSK10M	Bottom Side	158600	Ant0	1	1	DSI-3	-	24.0	23.53	0.08	0.133	-	1.114	0.15
	n14	DFT-QPSK10M	Front Face	158600	Ant0	25	14	DSI-3	-	24.0	23.29	0.00	0.216	-	1.178	0.25
P89	n14	DFT-QPSK10M	Rear Face	158600	Ant0	25	14	DSI-3	-	24.0	23.29	-0.04	0.318	-	1.178	**0.37**
	n14	DFT-QPSK10M	Left Side	158600	Ant0	25	14	DSI-3	-	24.0	23.29	0.17	0.189	-	1.178	0.22
	n14	DFT-QPSK10M	Right Side	158600	Ant0	25	14	DSI-3	-	24.0	23.29	-0.03	0.108	-	1.178	0.13
	n14	DFT-QPSK10M	Bottom Side	158600	Ant0	25	14	DSI-3	-	24.0	23.29	-0.17	0.154	-	1.178	0.18
	n25 / 2	DFT-QPSK40M	Front Face	374000	Ant0	1	1	DSI-3	-	24.0	23.30	0.06	0.325	-	1.175	0.38
	n25 / 2	DFT-QPSK40M	Rear Face	374000	Ant0	1	1	DSI-3	-	24.0	23.30	-0.05	0.505	-	1.175	0.59
	n25 / 2	DFT-QPSK40M	Left Side	374000	Ant0	1	1	DSI-3	-	24.0	23.30	0.17	0.069	-	1.175	0.08
	n25 / 2	DFT-QPSK40M	Right Side	374000	Ant0	1	1	DSI-3	-	24.0	23.30	0.18	0.327	-	1.175	0.38
	n25 / 2	DFT-QPSK40M	Bottom Side	374000	Ant0	1	1	DSI-3	-	24.0	23.30	-0.18	0.602	-	1.175	0.71
	n25 / 2	DFT-QPSK40M	Front Face	374000	Ant0	108	54	DSI-3	-	24.0	23.14	-0.10	0.345	-	1.219	0.42
	n25 / 2	DFT-QPSK40M	Rear Face	374000	Ant0	108	54	DSI-3	-	24.0	23.14	0.05	0.469	-	1.219	0.57
	n25 / 2	DFT-QPSK40M	Left Side	374000	Ant0	108	54	DSI-3	-	24.0	23.14	0.16	0.106	-	1.219	0.13
	n25 / 2	DFT-QPSK40M	Right Side	374000	Ant0	108	54	DSI-3	-	24.0	23.14	-0.14	0.362	-	1.219	0.44
P90	n25 / 2	DFT-QPSK40M	Bottom Side	374000	Ant0	108	54	DSI-3	-	24.0	23.14	0.06	0.622	-	1.219	**0.76**
	n2	DFT-QPSK40M	Front Face	372000	Ant2	1	1	DSI-3	-	24.0	23.62	0.16	0.215	-	1.091	0.23
	n2	DFT-QPSK40M	Rear Face	372000	Ant2	1	1	DSI-3	-	24.0	23.62	-0.16	0.343	-	1.091	0.37
	n2	DFT-QPSK40M	Right Side	372000	Ant2	1	1	DSI-3	-	24.0	23.62	-0.09	0.421	-	1.091	0.46
	n2	DFT-QPSK40M	Bottom Side	372000	Ant2	1	1	DSI-3	-	24.0	23.62	0.17	0.000	-	1.091	0.00
	n2	DFT-QPSK40M	Front Face	372000	Ant2	50	28	DSI-3	-	24.0	23.19	0.18	0.214	-	1.205	0.26
	n2	DFT-QPSK40M	Rear Face	372000	Ant2	50	28	DSI-3	-	24.0	23.19	0.14	0.336	-	1.205	0.40
P91	n2	DFT-QPSK40M	Right Side	372000	Ant2	50	28	DSI-3	-	24.0	23.19	0.06	0.439	-	1.205	0.53
	n2	DFT-QPSK40M	Bottom Side	372000	Ant2	50	28	DSI-3	-	24.0	23.19	0.06	0.000	-	1.205	0.00
	n26 / 5	DFT-QPSK20M	Front Face	167800	Ant0	1	1	DSI-3	-	24.0	23.22	-0.17	0.153	-	1.197	0.18
	n26 / 5	DFT-QPSK20M	Rear Face	167800	Ant0	1	1	DSI-3	-	24.0	23.22	0.04	0.301	-	1.197	0.36
	n26 / 5	DFT-QPSK20M	Left Side	167800	Ant0	1	1	DSI-3	-	24.0	23.22	0.05	0.074	-	1.197	0.09
	n26 / 5	DFT-QPSK20M	Right Side	167800	Ant0	1	1	DSI-3	-	24.0	23.22	-0.09	0.075	-	1.197	0.09
	n26 / 5	DFT-QPSK20M	Bottom Side	167800	Ant0	1	1	DSI-3	-	24.0	23.22	-0.19	0.103	-	1.197	0.12
	n26 / 5	DFT-QPSK20M	Front Face	167800	Ant0	50	28	DSI-3	-	24.0	22.98	0.04	0.164	-	1.265	0.21
P92	n26 / 5	DFT-QPSK20M	Rear Face	167800	Ant0	50	28	DSI-3	-	24.0	22.98	0.05	0.314	-	1.265	**0.40**
	n26 / 5	DFT-QPSK20M	Left Side	167800	Ant0	50	28	DSI-3	-	24.0	22.98	-0.16	0.076	-	1.265	0.10
	n26 / 5	DFT-QPSK20M	Right Side	167800	Ant0	50	28	DSI-3	-	24.0	22.98	0.10	0.055	-	1.265	0.07
	n26 / 5	DFT-QPSK20M	Bottom Side	167800	Ant0	50	28	DSI-3	-	24.0	22.98	0.03	0.113	-	1.265	0.14
	n30	DFT-QPSK10M	Front Face	462000	Ant10	1	1	DSI-3	-	24.0	23.59	-0.16	0.217	-	1.099	0.24
	n30	DFT-QPSK10M	Rear Face	462000	Ant10	1	1	DSI-3	-	24.0	23.59	-0.06	0.534	-	1.099	0.59
	n30	DFT-QPSK10M	Left Side	462000	Ant10	1	1	DSI-3	-	24.0	23.59	0.08	0.366	-	1.099	0.40
	n30	DFT-QPSK10M	Front Face	462000	Ant10	25	14	DSI-3	-	24.0	23.46	-0.01	0.221	-	1.132	0.25
P93	n30	DFT-QPSK10M	Rear Face	462000	Ant10	25	14	DSI-3	-	24.0	23.46	-0.01	0.550	-	1.132	**0.62**
	n30	DFT-QPSK10M	Left Side	462000	Ant10	25	14	DSI-3	-	24.0	23.46	-0.09	0.371	-	1.132	0.42
	n66	DFT-QPSK40M	Front Face	346000	Ant0	1	1	DSI-3	-	22.5	21.47	-0.19	0.255	-	1.268	0.32
	n66	DFT-QPSK40M	Rear Face	346000	Ant0	1	1	DSI-3	-	22.5	21.47	-0.13	0.502	-	1.268	0.64
	n66	DFT-QPSK40M	Left Side	346000	Ant0	1	1	DSI-3	-	22.5	21.47	-0.01	0.000	-	1.268	0.00
	n66	DFT-QPSK40M	Right Side	346000	Ant0	1	1	DSI-3	-	22.5	21.47	0.02	0.151	-	1.268	0.19
P94	n66	DFT-QPSK40M	Bottom Side	346000	Ant0	1	1	DSI-3	-	22.5	21.47	0.09	0.605	-	1.268	**0.77**
	n66	DFT-QPSK40M	Front Face	346000	Ant0	108	54	DSI-3	-	22.5	21.38	0.06	0.248	-	1.294	0.32
	n66	DFT-QPSK40M	Rear Face	346000	Ant0	108	54	DSI-3	-	22.5	21.38	0.16	0.446	-	1.294	0.58
	n66	DFT-QPSK40M	Left Side	346000	Ant0	108	54	DSI-3	-	22.5	21.38	-0.16	0.000	-	1.294	0.00
	n66	DFT-QPSK40M	Right Side	346000	Ant0	108	54	DSI-3	-	22.5	21.38	-0.01	0.153	-	1.294	0.20
	n66	DFT-QPSK40M	Bottom Side	346000	Ant0	108	54	DSI-3	-	22.5	21.38	-0.18	0.534	-	1.294	0.69
	n66	DFT-QPSK40M	Front Face	346000	Ant2	1	1	DSI-3	-	22.5	21.40	-0.05	0.211	-	1.288	0.27
	n66	DFT-QPSK40M	Rear Face	346000	Ant2	1	1	DSI-3	-	22.5	21.40	-0.18	0.387	-	1.288	0.50
	n66	DFT-QPSK40M	Right Side	346000	Ant2	1	1	DSI-3	-	22.5	21.40	-0.15	0.425	-	1.288	0.55

Plot No.	Band	Mode	Test Position	Ch.	Ant	RB#	RB Offset	Power State	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	n66	DFT-QPSK40M	Bottom Side	346000	Ant2	1	1	DSI-3	-	22.5	21.40	0.01	0.041	-	1.288	0.05
	n66	DFT-QPSK40M	Front Face	346000	Ant2	108	54	DSI-3	-	22.5	21.24	0.05	0.211	-	1.337	0.28
	n66	DFT-QPSK40M	Rear Face	346000	Ant2	108	54	DSI-3	-	22.5	21.24	0.08	0.368	-	1.337	0.49
	n66	DFT-QPSK40M	Right Side	346000	Ant2	108	54	DSI-3	-	22.5	21.24	0.06	0.424	-	1.337	0.57
	n66	DFT-QPSK40M	Bottom Side	346000	Ant2	108	54	DSI-3	-	22.5	21.24	-0.03	0.045	-	1.337	0.06
	n71	DFT-QPSK20M	Front Face	134600	Ant0	1	1	DSI-3	-	24.0	23.06	-0.09	0.328	-	1.242	0.41
P95	n71	DFT-QPSK20M	Rear Face	134600	Ant0	1	1	DSI-3	-	24.0	23.06	0.06	0.433	-	1.242	**0.54**
	n71	DFT-QPSK20M	Left Side	134600	Ant0	1	1	DSI-3	-	24.0	23.06	-0.08	0.154	-	1.242	0.19
	n71	DFT-QPSK20M	Right Side	134600	Ant0	1	1	DSI-3	-	24.0	23.06	0.10	0.108	-	1.242	0.13
	n71	DFT-QPSK20M	Bottom Side	134600	Ant0	1	1	DSI-3	-	24.0	23.06	-0.16	0.068	-	1.242	0.08
	n71	DFT-QPSK20M	Front Face	134600	Ant0	50	28	DSI-3	-	24.0	22.80	0.07	0.300	-	1.318	0.40
	n71	DFT-QPSK20M	Rear Face	134600	Ant0	50	28	DSI-3	-	24.0	22.80	-0.02	0.390	-	1.318	0.51
	n71	DFT-QPSK20M	Left Side	134600	Ant0	50	28	DSI-3	-	24.0	22.80	-0.11	0.153	-	1.318	0.20
	n71	DFT-QPSK20M	Right Side	134600	Ant0	50	28	DSI-3	-	24.0	22.80	-0.05	0.100	-	1.318	0.13
	n71	DFT-QPSK20M	Bottom Side	134600	Ant0	50	28	DSI-3	-	24.0	22.80	-0.09	0.064	-	1.318	0.08
	n38	DFT-QPSK40M	Front Face	520000	Ant6	1	1	DSI-3	100	21.0	20.05	-0.02	0.168	-	1.245	0.21
	n38	DFT-QPSK40M	Rear Face	520000	Ant6	1	1	DSI-3	100	21.0	20.05	-0.07	0.388	-	1.245	0.48
	n38	DFT-QPSK40M	Right Side	520000	Ant6	1	1	DSI-3	100	21.0	20.05	-0.10	0.431	-	1.245	0.54
	n38	DFT-QPSK40M	Bottom Side	520000	Ant6	1	1	DSI-3	100	21.0	20.05	-0.15	0.099	-	1.245	0.12
	n38	DFT-QPSK40M	Front Face	520000	Ant6	50	28	DSI-3	100	21.0	19.77	-0.19	0.166	-	1.327	0.22
	n38	DFT-QPSK40M	Rear Face	520000	Ant6	50	28	DSI-3	100	21.0	19.77	-0.04	0.386	-	1.327	0.51
	n38	DFT-QPSK40M	Right Side	520000	Ant6	50	28	DSI-3	100	21.0	19.77	0.00	0.386	-	1.327	0.51
	n38	DFT-QPSK40M	Bottom Side	520000	Ant6	50	28	DSI-3	100	21.0	19.77	-0.18	0.103	-	1.327	0.14
	n38	DFT-QPSK40M	Front Face	520000	Ant10	1	1	DSI-3	100	24.0	23.06	-0.06	0.295	-	1.242	0.37
	n38	DFT-QPSK40M	Rear Face	520000	Ant10	1	1	DSI-3	100	24.0	23.06	0.04	0.509	-	1.242	0.63
P96	n38	DFT-QPSK40M	Left Side	520000	Ant10	1	1	DSI-3	100	24.0	23.06	0.02	0.628	-	1.242	**0.78**
	n38	DFT-QPSK40M	Right Side	520000	Ant10	1	1	DSI-3	100	24.0	23.06	0.01	0.069	-	1.242	0.09
	n38	DFT-QPSK40M	Bottom Side	520000	Ant10	1	1	DSI-3	100	24.0	23.06	-0.08	0.139	-	1.242	0.17
	n38	DFT-QPSK40M	Front Face	520000	Ant10	50	28	DSI-3	100	23.0	22.75	0.19	0.293	-	1.059	0.31
	n38	DFT-QPSK40M	Rear Face	520000	Ant10	50	28	DSI-3	100	23.0	22.75	-0.01	0.504	-	1.059	0.53
	n38	DFT-QPSK40M	Left Side	520000	Ant10	50	28	DSI-3	100	23.0	22.75	0.17	0.655	-	1.059	0.69
	n38	DFT-QPSK40M	Right Side	520000	Ant10	50	28	DSI-3	100	23.0	22.75	-0.15	0.074	-	1.059	0.08
	n38	DFT-QPSK40M	Bottom Side	520000	Ant10	50	28	DSI-3	100	23.0	22.75	-0.17	0.149	-	1.059	0.16
	n41	DFT-QPSK100M	Front Face	528000	Ant10	1	1	DSI-3	100	24.0	23.57	0.05	0.256	-	1.104	0.28
	n41	DFT-QPSK100M	Rear Face	528000	Ant10	1	1	DSI-3	100	24.0	23.57	0.12	0.448	-	1.104	0.49
	n41	DFT-QPSK100M	Left Side	528000	Ant10	1	1	DSI-3	100	24.0	23.57	-0.01	0.451	-	1.104	0.50
	n41	DFT-QPSK100M	Front Face	528000	Ant10	135	69	DSI-3	100	24.0	23.48	-0.08	0.262	-	1.127	0.30
	n41	DFT-QPSK100M	Rear Face	528000	Ant10	135	69	DSI-3	100	24.0	23.48	-0.10	0.439	-	1.127	0.49
	n41	DFT-QPSK100M	Left Side	528000	Ant10	135	69	DSI-3	100	24.0	23.48	0.17	0.441	-	1.127	0.50
	n41 HPUE	DFT-QPSK100M	Front Face	528000	Ant10	1	1	DSI-3	50	27.0	26.48	-0.12	0.267	-	1.127	0.30
	n41 HPUE	DFT-QPSK100M	Rear Face	528000	Ant10	1	1	DSI-3	50	27.0	26.48	-0.07	0.513	-	1.127	0.58
	n41 HPUE	DFT-QPSK100M	Left Side	528000	Ant10	1	1	DSI-3	50	27.0	26.48	0.07	0.470	-	1.127	0.53
	n41 HPUE	DFT-QPSK100M	Front Face	528000	Ant10	135	69	DSI-3	50	27.0	26.19	0.08	0.320	-	1.205	0.39
P97	n41 HPUE	DFT-QPSK100M	Rear Face	528000	Ant10	135	69	DSI-3	50	27.0	26.19	-0.04	0.523	-	1.205	**0.63**
	n41 HPUE	DFT-QPSK100M	Left Side	528000	Ant10	135	69	DSI-3	50	27.0	26.19	-0.01	0.416	-	1.205	0.50
	n41 HPUE	DFT-QPSK100M	Rear Face	509202	Ant10	135	69	DSI-3	50	27.0	26.41	-0.16	0.541	-	1.146	0.62
	n41 HPUE	DFT-QPSK100M	Rear Face	518598	Ant10	135	69	DSI-3	50	27.0	26.34	-0.13	0.525	-	1.164	0.61
	n41 HPUE	DFT-QPSK100M	Rear Face	528000	Ant10	270	0	DSI-3	50	27.0	25.66	0.16	0.402	-	1.361	0.55
	n48	DFT-QPSK40M	Front Face	638000	Ant11	1	1	DSI-3	100	16.0	15.37	0.18	0.065	-	1.156	0.08
P98	n48	DFT-QPSK40M	Rear Face	638000	Ant11	1	1	DSI-3	100	16.0	15.37	0.05	0.348	-	1.156	**0.40**
	n48	DFT-QPSK40M	Right Side	638000	Ant11	1	1	DSI-3	100	16.0	15.37	0.18	0.213	-	1.156	0.25
	n48	DFT-QPSK40M	Top Side	638000	Ant11	1	1	DSI-3	100	16.0	15.37	-0.17	0.045	-	1.156	0.05
	n48	DFT-QPSK40M	Front Face	638000	Ant11	50	28	DSI-3	100	16.0	15.23	0.01	0.066	-	1.194	0.08
	n48	DFT-QPSK40M	Rear Face	638000	Ant11	50	28	DSI-3	100	16.0	15.23	0.11	0.307	-	1.194	0.37
	n48	DFT-QPSK40M	Right Side	638000	Ant11	50	28	DSI-3	100	16.0	15.23	-0.04	0.240	-	1.194	0.29
	n48	DFT-QPSK40M	Top Side	638000	Ant11	50	28	DSI-3	100	16.0	15.23	0.01	0.054	-	1.194	0.06
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant11	1	1	DSI-3	100	15.0	13.81	-0.11	0.059	-	1.315	0.08
P99	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant11	1	1	DSI-3	100	15.0	13.81	-0.04	0.330	-	1.315	**0.43**
	n77 / 78	DFT-QPSK100M	Right Side	633334	Ant11	1	1	DSI-3	100	15.0	13.81	0.17	0.186	-	1.315	0.24
	n77 / 78	DFT-QPSK100M	Top Side	633334	Ant11	1	1	DSI-3	100	15.0	13.81	-0.09	0.048	-	1.315	0.06
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant11	135	69	DSI-3	100	15.0	13.43	-0.14	0.069	-	1.435	0.10
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant11	135	69	DSI-3	100	15.0	13.43	0.09	0.262	-	1.435	0.38
	n77 / 78	DFT-QPSK100M	Right Side	633334	Ant11	135	69	DSI-3	100	15.0	13.43	-0.03	0.163	-	1.435	0.23
	n77 / 78	DFT-QPSK100M	Top Side	633334	Ant11	135	69	DSI-3	100	15.0	13.43	-0.08	0.061	-	1.435	0.09
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant11	1	1	DSI-3	100	15.0	14.21	-0.15	0.064	-	1.199	0.08
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant11	1	1	DSI-3	100	15.0	14.21	-0.06	0.341	-	1.199	0.41
	n77 / 78	DFT-QPSK100M	Right Side	650000	Ant11	1	1	DSI-3	100	15.0	14.21	-0.07	0.177	-	1.199	0.21
	n77 / 78	DFT-QPSK100M	Top Side	650000	Ant11	1	1	DSI-3	100	15.0	14.21	0.16	0.042	-	1.199	0.05
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant11	135	69	DSI-3	100	15.0	13.83	0.06	0.072	-	1.309	0.09
	n77 / 78	DFT-QPSK100M	Rear Face	650000	Ant11	135	69	DSI-3	100	15.0	13.83	-0.18	0.291	-	1.309	0.38
	n77 / 78	DFT-QPSK100M	Right Side	650000	Ant11	135	69	DSI-3	100	15.0	13.83	-0.06	0.159	-	1.309	0.21
	n77 / 78	DFT-QPSK100M	Top Side	650000	Ant11	135	69	DSI-3	100	15.0	13.83	-0.10	0.036	-	1.309	0.05
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant5	1	1	DSI-3	100	15.0	13.78	-0.16	0.024	-	1.324	0.03
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant5	1	1	DSI-3	100	15.0	13.78	0.19	0.130	-	1.324	0.17
	n77 / 78	DFT-QPSK100M	Left Side	633334	Ant5	1	1	DSI-3	100	15.0	13.78	0.10	0.107	-	1.324	0.14
	n77 / 78	DFT-QPSK100M	Front Face	633334	Ant5	135	69	DSI-3	100	15.0	13.40	-0.14	0.025	-	1.445	0.04
	n77 / 78	DFT-QPSK100M	Rear Face	633334	Ant5	135	69	DSI-3	100	15.0	13.40	0.03	0.116	-	1.445	0.17
	n77 / 78	DFT-QPSK100M	Left Side	633334	Ant5	135	69	DSI-3	100	15.0	13.40	-0.13	0.108	-	1.445	0.16
	n77 / 78	DFT-QPSK100M	Front Face	650000	Ant5	1	1	DSI-3	100	15.0	14.17	-0.19	0.033	-	1.211	0.04