

SAR TEST REPORT

Applicant UCLOUDLINK (SINGAPORE) PTE. LTD
FCC ID 2BB6E-GLMU24A03
Product 5G Wireless Data Terminal
Brand GlocalMe
Model GLMU24A03
Report No. EFTA25110146-IE-11-S1V1
Issue Date May 20, 2026

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **IEEE 1528-2013, ANSI C95.1: 1992, IEEE C95.1: 1991**. The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report.



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Note: This revised report (Report No.: EFTA25110146-IE-11-S1V1) supersedes and replaces the previously issued report (Report No.: EFTA25110146-IE-11-S1). Please discard or destroy the previously issued report and dispose of it accordingly.		

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1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
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1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25°C
Relative humidity	Min. = 20%, Max. = 80%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

2 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for the EUT are as follows:

Table 1: Highest Reported SAR

Mode	Highest Reported SAR (W/kg)	
	1g SAR Body-worn & Hotspot (Separation 10mm)	10g SAR Extremity (Separation 0mm)
WCDMA Band II	0.98	1.83
WCDMA Band IV	1.01	1.52
WCDMA Band V	0.67	1.18
LTE FDD 5	1.00	0.95
LTE FDD 7	1.06	2.55
LTE FDD 12 (LTE FDD 17)	0.51	0.72
LTE FDD 14	0.39	0.65
LTE FDD 25 (LTE FDD 2)	0.70	1.46
LTE TDD 41 (LTE TDD 38)	0.50	0.97
LTE TDD 48	0.52	0.88
LTE FDD 66 (LTE FDD 4)	1.05	1.75
LTE FDD 71	0.37	0.63
NR n5	0.51	0.82
NR n7	1.19	2.21
NR n12	0.59	0.68
NR n25 (NR n2)	0.78	1.61
NR n41 (NR n38)	0.22	0.52
NR n48	0.43	0.95
NR n66	1.24	1.80
NR n71	0.36	0.84
NR n77 (NR n78)	0.47	0.96
NTN n255	0.21	0.89
NTN n23	0.39	1.26

Wi-Fi (2.4GHz)	0.40	0.65
Wi-Fi (5GHz)	0.57	0.68
Bluetooth	0.02	0.04

Date of Testing: December 26, 2025 ~ January 24, 2026

Date of Sample Received: November 24, 2025

Note:

- The device is in compliance with SAR for Uncontrolled Environment /General Population exposure limits (1.6 W/kg for body SAR, 4 W/kg for extremity SAR) specified in ANSI C95.1: 1992/IEEE C95.1: 1991, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013.
- All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.

1) According to TCB workshop October, 2014 RF Exposure Procedures Update (Overlapping LTE Bands):

- Main and Div Antenna SAR for LTE Band 2 (Frequency range: 1850-1910 MHz) is covered by LTE Band 25 (Frequency range 1850-1915 MHz); LTE Band 17 (Frequency range: 704-716 MHz) is covered by LTE Band 12 (Frequency range 699-716 MHz); LTE Band 4 (Frequency range 1710-1755 MHz) is covered by LTE Band 66 (Frequency range: 1710-1780 MHz); LTE Band 38 (Frequency range 2570-2620 MHz) is covered by LTE Band 41 (Frequency range: 2496-2690 MHz); NR n2 (Frequency range: 1850-1910 MHz) is covered by NR n25 (Frequency range 1850-1915 MHz); NR n38 (Frequency range 2570-2620 MHz) is covered by NR n41 (Frequency range: 2496-2690MHz); NR n78 (Frequency range 3300-3800 MHz) is covered by NR n77 (Frequency range: 3300-4200 MHz); due to similar frequency range, same maximum tune up limit and same channel bandwidth.

The device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits according to the FCC rule §2.1093, the ANSI C95.1: 1992/IEEE C95.1: 1991, and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013.

Table 2: Highest Simultaneous Transmission SAR

Exposure Configuration	1g SAR Body-worn & Hotspot (Separation 10mm)	10g SAR Extremity (Separation 0mm)
Highest Simultaneous Transmission SAR (W/kg)	1.59	3.51
Note: The detail for simultaneous transmission consideration is described in chapter 10.3.		

3 Description of Equipment Under Test

Client Information

Applicant	U-CLOUDLINK (SINGAPORE) PTE. LTD
Applicant address	80 ROBINSON ROAD #02-00 SINGAPORE
Manufacturer	U-CLOUDLINK (SINGAPORE) PTE. LTD
Manufacturer address	80 ROBINSON ROAD #02-00 SINGAPORE

General Technologies

EUT Stage	Identical Prototype
Model	GLMU24A03
IMEI	353052220006773
Hardware Version	V1.01
Software Version	G50_TSV1.0.004.001.260120_024121_user_QFIL
Antenna Type	Internal Antenna
Power Class	WCDMA Band II/IV/V: 3 LTE FDD 2/4/5/7/12/17/25/66/71: 3 LTE TDD 38/41/48: 3 NR FDD 2/5/7/12/25/66/71/NTN n255/NTN n23: 3 NR TDD 38/41/48/77/78: 3 NR TDD 77/78: 2
Power Level	WCDMA Band II/IV/V: all up bits LTE FDD 2/4/5/7/12/17/25/66/71: max power LTE TDD 38/41/48: max power NR FDD 2/5/7/12/25/66/71/NTN n255/NTN n23: max power NR TDD 38/41/48/77/78: max power
Note: The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.	

Wireless Technology and Frequency Range

Wireless Technology		Modulation	Operating mode	Tx (MHz)	Rx (MHz)		
WCDMA	Band II	QPSK	/	1850 ~ 1910	1930 ~ 1990		
	Band IV			1710 ~ 1755	2110 ~ 2155		
	Band V			824 ~ 849	869 ~ 894		
LTE	FDD 2	QPSK, 16QAM, 64QAM, 256QAM	Category 6	1850 ~ 1910	1930 ~ 1990		
	FDD 4			1710 ~ 1755	2110 ~ 2155		
	FDD 5			824 ~ 849	869 ~ 894		
	FDD 7			2500 ~ 2570	2620 ~ 2690		
	FDD 12			699 ~ 716	729 ~ 746		
	FDD 17			704 ~ 716	734 ~ 746		
	FDD 25			1850 ~ 1915	1930 ~ 1995		
	TDD 38			2570 ~ 2620	2570 ~ 2620		
	TDD 41			2496 ~ 2690	2496 ~ 2690		
	TDD 48			3550~ 3700	3550~ 3700		
	FDD 66			1710 ~ 1780	2110 ~ 2180		
	FDD 71			663 ~ 698	617 ~ 652		
	Does this device support Carrier Aggregation (CA) ☒ Yes downlink only ☐ No						
	Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No						
	NR			n2	CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM; DFT-s OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	/	1850 ~ 1910
n5		824 ~ 849	869 ~ 894				
n7		2500 ~ 2570	2620 ~ 2690				
n12		699 ~ 716	729 ~ 746				
n25		1850 ~ 1915	1930 ~ 1995				
n38		2570 ~ 2620	2570 ~ 2620				
n41		2496 ~ 2690	2496 ~ 2690				
n48		3550~ 3700	3550~ 3700				
n66		1710 ~ 1780	2110 ~ 2180				
n71		663 ~ 698	617 ~ 652				
n77		3300 ~ 4200	3300 ~ 4200				
n78		3300 ~ 3800	3300 ~ 3800				
/	NTN n255	BPSK, QPSK	/	1626.5 ~ 1660.5	1525 ~ 1559		
	NTN n23			2000 ~ 2020	2180 ~ 2200		

EN-DC	DC_5A_n2A; DC_12A_n2A; DC_14A_n2A; DC_71A_n2A; DC_2A_n5A; DC_7A_n5A; DC_66A_n5A; DC_5A_n7A; DC_12A_n7A; DC_2A_n12A; DC_66A_n12A; DC_5A_n25A; DC_12A_n25A; DC_71A_n25A; DC_5A_n38A; DC_12A_n38A; DC_71A_n38A DC_2A_n41A; DC_4A_n41A; DC_5A_n41A; DC_12A_n41A; DC_5A_n66A; DC_12A_n66A; DC_14A_n66A DC_2A_n71A; DC_7A_n71A; DC_66A_n71A; DC_5A_n77A; DC_7A_n77A; DC_12A_n77A; DC_14A_n77A; DC_25A_n77A; DC_41A_n77A; DC_66A_n77A; DC_71A_n77A; DC_2A_n78A; DC_4A_n78A; DC_5A_n78A; DC_7A_n78A; DC_12A_n78A; DC_25A_n78A; DC_38A_n78A; DC_66A_n78A; DC_71A_n78A				
Bluetooth	2.4GHz	Version 5.0 BR/EDR + LE		2402 ~2480	2402 ~2480
Wi-Fi	2.4GHz	DSSS, OFDM	802.11b/g/n HT20 ax HE20	2412 ~ 2462	2412 ~ 2462
		OFDM,OFDMA	802.11n HT40 ax HE40	2422 ~ 2452	2422 ~ 2452
	5GHz	OFDM,OFDMA	802.11a/n HT20/ HT40/ ac VHT20/ VHT40/ VHT80	5150 ~ 5250 5725 ~ 5850	5150 ~ 5250 5725 ~ 5850
			ax HE20/ HE40/ HE80		
Does this device support MIMO ☐ Yes ☒ No					
Note: Radio equipment in band n77 is only allowed to operate from 3450 MHz to 3550 MHz for Subset 1; 3700 MHz to 3980 MHz for Subset 2 for the transmitter and receiver. Radio equipment in band n78 is only allowed to operate from 3450 MHz to 3550 MHz for Subset 1; 3700 MHz to 3800 MHz for Subset 2 for the transmitter and receiver.					

4 Test Specification, Methods and Procedures

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093, IEEE 1528- 2013, ANSI C95.1: 1992, IEEE C95.1: 1991, the following FCC Published RF exposure KDB procedures:

KDB 248227 D01 802.11Wi-Fi SAR v02r02
KDB 447498 D01 General RF Exposure Guidance v06
KDB 690783 D01 SAR Listings on Grants v01r03
KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
KDB 865664 D02 RF Exposure Reporting v01r02
KDB 941225 D01 3G SAR Procedures v03r01
KDB 941225 D05 SAR for LTE Devices v02r05
KDB 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02
KDB 941225 D06 Hot Spot SAR v02r01

5 Operational Conditions during Test

5.1 Test Positions

5.1.1 Body Worn Configuration

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations.

Per FCC KDB Publication 648474 D04, Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is $> 1.2 \text{ W/kg}$, 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.

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used. Test position spacing was documented. Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom in head fluid. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessories, including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.

5.1.2 Body SAR

Per KDB 447498 D01 General RF Exposure Guidance v06:

Devices that are designed or intended for use on extremities, or mainly operated in extremity only exposure conditions, i.e., hands, wrists, feet and ankles, may require extremity SAR evaluation. When the device also operates near the user's body, SAR compliance for the body is also required. The 1-g body and 10-g extremity SAR Test Exclusion Thresholds should be applied to determine SAR test requirements. The distance between the device and the phantom was kept 0mm for Body SAR.

5.2 Measurement Variability

Per FCC KDB Publication 865664 D01, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

- 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.
- 2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .
- 4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

5.3 Test Configuration

5.3.1 WCDMA Test Configuration

5.3.1.1 3G SAR Test Reduction Procedure

The default test configuration is to measure SAR with an established radio link between the EUT and a communication test set using a 12.2 kbps RMC (reference measurement channel) configured in Test Loop Mode 1. SAR is selectively confirmed for other physical channel configurations modes according to output power, exposure conditions and device operating capabilities. Maximum output power is verified by applying the applicable versions of 3GPP TS 34.121.

5.3.1.2 Body-worn Accessory SAR

SAR for body-worn accessory 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 DPDCHn configurations supported by the EUT with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or DPDCHn, for the highest reported body-worn accessory exposure SAR configuration in 12.2 kbps RMC. When more than 2 DPDCHn are supported by the EUT, it may be necessary to configure additional DPDCHn using FTM (Factory Test Mode) or other chipset based test approaches with parameters similar to those used in 384 kbps and 768 kbps RMC

5.3.1.3 Release 5 HSDPA Test Configuration

The 3G SAR test reduction procedure is applied to HSDPA body-worn accessory 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" section of this document, for the highest SAR body-worn accessory exposure configuration in 12.2 kbps RMC. EUT with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

HSDPA should be configured according to the UE category of a test device. The number of HSDSCH/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 with 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}) should be set according to values indicated in the Table below. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.

Table 3: Subtests for WCDMA Release 5 HSDPA

Sub-set	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (note 1, note 2)	CM(dB) (note 3)	MPR(dB)
1	2/15	15/15	64	2/15	4/15	0.0	0.0

2	12/15 (note 4)	15/15 (note 4)	64	12/15 (note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5
Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$ 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 (TFC1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.							

5.3.1.4 Release 6 HSUPA Test Configuration

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body-worn accessory 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” section of this document, for the highest body-worn accessory 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 accessory measurements is tested for next to the ear head exposure.

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 Table 2 and other applicable procedures described in the ‘WCDMA EUT’ and ‘Release 5 HSDPA Data Devices’ sections of this document

Table 4: Sub-Test 5 Setup for Release 6 HSUPA

Sub-set	β_c	β_d	β_d (SF)	β_c/β_d	$\beta_{hs}^{(1)}$	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	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	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 $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. 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 $\beta_c = 10/15$ and $\beta_d = 15/15$.

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 $\beta_c = 14/15$ and $\beta_d = 15/15$.

Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Figure 5.1g.

Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

Table 5: HSUPA UE Category

UE E-DCH Category	Maximum E-DCH Codes Transmitted	Number of HARQ Processes	E-DCHTTI (ms)	Minimum Spreading Factor	Maximum E-DCH Transport Block Bits	Max Rate (Mbps)
1	1	4	10	4	7110	0.7296
2	2	8	2	4	2798	1.4592
	2	4	10	4	14484	
3	2	4	10	4	14484	1.4592
4	2	8	2	2	5772	2.9185
	2	4	10	2	20000	2.00
5	2	4	10	2	20000	2.00
6 (No DPDCH)	4	8	2	2 SF2 & 2 SF4	11484	5.76
	4	4	10		20000	2.00
7 (No DPDCH)	4	8	2	2 SF2 & 2 SF4	22996	?
	4	4	10		20000	?

NOTE: When 4 codes are transmitted in parallel, two codes shall be transmitted with SF2 and two with SF4.
UE Categories 1 to 6 supports QPSK only. UE Category 7 supports QPSK and 16QAM. (TS25.306-7.3.0)

5.3.1.5 HSPA and DC-HSDPA Test Configuration

SAR test exclusion may apply to 3GPP Rel. 6 HSPA and Rel. 8 DC-HSDPA. When SAR measurement is required for HSPA or DC-HSDPA, a KDB inquiry is required to confirm that the wireless mode configurations in the test setup have remained stable throughout the SAR measurements. Without prior KDB confirmation to determine the SAR results are acceptable, a PAG is required for equipment approval.

SAR test exclusion for HSPA and DC-HSDPA is determined according to the following:

- 1) The HSPA procedures are applied to configure 3GPP Rel. 6 HSPA devices in the required sub-test mode(s) to determine SAR test exclusion.
- 2) SAR is required for Rel. 8 DC-HSDPA when SAR is required for Rel. 5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. 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.
- 3) Regardless of whether a PBA is required, the following information must be verified and included in the SAR report for devices supporting HSPA or DC-HSDPA:
 - a) The output power measurement results and applicable release version(s) of 3GPP TS 34.121. Power measurement difficulties due to test equipment setup or availability must be resolved between the grantee and its test lab.

- b) The power measurement results are in agreement with the individual device implementation and specifications. When Enhanced MPR (E-MPR) applies, the normal MPR targets may be modified according to the Cubic Metric (CM) measured by the device, which must be taken into consideration.
- c) The UE category, operating parameters, such as the β and Δ values used to configure the device for testing, power setback procedures described in 3GPP TS 34.121 for the power measurements, and HSPA channel conditions (active and stable) for the entire duration of the measurement according to the required E-TFCI and AG index values.
- 4) When SAR measurement is required, the test configurations, procedures and power measurement results must be clearly described to confirm that the required test parameters are used, including E-TFCI and AG index stability and output power conditions.

Table 6: HS-DSCH UE Category

HS-DSCH category	Maximum number of HS-DSCH codes received	Minimum inter-TTI interval	Maximum number of bits of an HS-DSCH transport block received within an HS-DSCH TTI NOTE 1	Total number of soft channel bits	Supported modulations without MIMO operation or dual cell operation	Supported modulations with MIMO operation and without dual cell operation	Supported modulations with dual cell operation
Category 1	5	3	7298	19200	QPSK, 16QAM	Not applicable (MIMO not supported)	Not applicable (dual cell operation not supported)
Category 2	5	3	7298	28800			
Category 3	5	2	7298	28800			
Category 4	5	2	7298	38400			
Category 5	5	1	7298	57600			
Category 6	5	1	7298	67200			
Category 7	10	1	14411	115200			
Category 8	10	1	14411	134400			
Category 9	15	1	20251	172800			
Category 10	15	1	27952	172800			
Category 11	5	2	3630	14400	QPSK		
Category 12	5	1	3630	28800	QPSK, 16QAM, 64QAM		
Category 13	15	1	35280	259200			
Category 14	15	1	42192	259200			
Category 15	15	1	23370	345600	QPSK, 16QAM		
Category 16	15	1	27952	345600			
Category 17 NOTE 2	15	1	35280	259200	QPSK, 16QAM, 64QAM	–	
			23370	345600	–	QPSK, 16QAM	
Category 18 NOTE 3	15	1	42192	259200	QPSK, 16QAM, 64QAM	–	
			27952	345600	–	QPSK, 16QAM	
Category 19	15	1	35280	518400	QPSK, 16QAM, 64QAM		
Category 20	15	1	42192	518400			
Category 21	15	1	23370	345600	-	-	QPSK, 16QAM
Category 22	15	1	27952	345600			QPSK, 16QAM, 64QAM
Category 23	15	1	35280	518400			
Category 24	15	1	42192	518400			

5.3.2 LTE Test Configuration

LTE modes were tested according to FCC KDB 941225 D05 publication. Please see notes after the tabulated SAR data for required test configurations. Establishing connections with base station

simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR. The R&S CMW500 was used for LTE output power measurements and SAR testing. Max power control was used so the UE transmits with maximum output power during SAR testing. SAR must be measured with the maximum TTI (transmit time interval) supported by the device in each LTE configuration.

A) Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

B) MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

C) A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

D) Largest Channel Bandwidth Standalone SAR Test Requirements

1) QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; 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 50% RB allocation

The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.

3) QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

4) Higher order modulations

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in above sections to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

E) Other Channel Bandwidth Standalone SAR Test Requirements

For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section A) to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> \frac{1}{2}$ 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 $> 1.45 \text{ W/kg}$.

5.3.3 Additional Requirements for TDD LTE Specification

For Time-Division Duplex (TDD) systems, SAR 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 LTE TDD configurations.

TDD LTE Band supports 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table: Uplink-downlink configurations for uplink-downlink configurations and Table: Configuration of special subframe (lengths of DwPTS/GP/UpPTS) for Special subframe configurations.

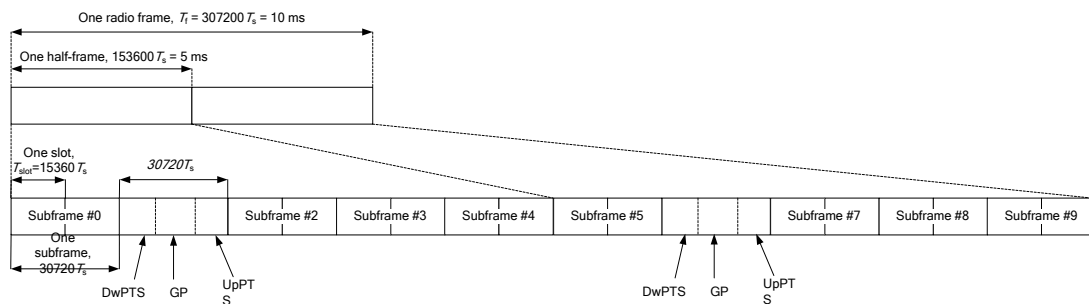


Figure 1: Frame structure type 2

Table 7: Configuration of Special Subframe (Lengths of DwPTS/GP/UpPTS)

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

Table 8: Uplink-Downlink Configurations

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

According to Figure 1, one radio frame is configured by 10 subframes, which consist of Uplink-subframe, Downlink-subframe and Special subframe. For TDD-LTE, the Duty Cycle should be calculated on Uplink-subframes and Special subframes, due to Special subframe containing both Uplink transmissions. So for one radio frame, Duty Cycle can be calculated with formula as below. The count of Uplink subframes are according to Table: Uplink-downlink configurations:

$$\text{Duty cycle} = (30720\text{Ts} \times \text{Ups} + \text{Uplink Component} \times \text{Specials}) / (307200\text{Ts})$$

About the uplink component of Special subframes, we can figure out by Table: Configuration of special subframe (lengths of DwPTS/GP/UpPTS):

$$\text{Uplink Component} = \text{UpPTS}$$

In conclusion, for the TDD LTE Band, Duty Cycle can be calculated with formula as below. All these sets are ok when we test, or we can set as below.

$$\text{Duty cycle} = [(30720\text{Ts} \times \text{Ups}) + \text{UpPTS} \times \text{Specials}] / (307200\text{Ts})$$

And we can get different Duty cycles under different configurations:

Uplink-downlink configuration	Subframe number			Configuration of special subframe							
				Normal cyclic prefix in downlink				Extended cyclic prefix in downlink			
				Normal cyclic prefix in uplink		Extended cyclic prefix in uplink		Normal cyclic prefix in uplink		Extended cyclic prefix in uplink	
	D	S	U	configuration 0~4	configuration 5~9	configuration 0~4	configuration 5~9	configuration 0~3	configuration 4~7	configuration 0~3	configuration 4~7
0	2	2	6	61.43%	62.85%	61.67%	63.33%	61.43%	62.85%	61.67%	63.33%
1	4	2	4	41.43%	42.85%	41.67%	43.33%	41.43%	42.85%	41.67%	43.33%
2	6	2	2	21.43%	22.85%	21.67%	23.33%	21.43%	22.85%	21.67%	23.33%
3	6	1	3	30.71%	31.43%	30.83%	31.67%	30.71%	31.43%	30.83%	31.67%
4	7	1	2	20.71%	21.43%	20.83%	21.67%	20.71%	21.43%	20.83%	21.67%
5	8	1	1	10.71%	11.43%	10.83%	11.67%	10.71%	11.43%	10.83%	11.67%
6	3	2	5	51.43%	52.85%	51.67%	53.33%	51.43%	52.85%	51.67%	53.33%

SAR test Plan: For TDD LTE, SAR should be tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7 for Frame structure type

The screenshot displays the 'LTE Signaling - Configuration' window. The 'Physical Cell Setup' section is highlighted with a red box. Within this section, the 'TDD' sub-section is also highlighted with a red box. The 'TDD' sub-section includes the following settings:

- Use Carrier Specific:** ☐ (unchecked)
- Uplink Downlink Configur...**: 0 (highlighted with a red circle)
- Subframe Number**: 0 1 2 3 4 5 6 7 8 9
- Direction**: Down (blue arrow), S (yellow), Up (orange), Up (orange), Up (orange), Down (blue arrow), S (yellow), Up (orange), Up (orange), Up (orange)
- Special Subframe**: 7

On the right side of the window, the 'LTE Signaling' status is shown as 'ON' (highlighted with a red box). Other visible elements include the 'LTE 1 TX Meas.', 'LTE 1 RX Meas.', 'Go to...', 'Routing', and 'Config ...' buttons.

5.3.4 5G NR Test Configuration

The DFT-s-OFDM and CP-OFDM waveforms were investigated, and DFT-s-OFDM was found to be the worst case.

The worst-case scenario for all measurements is based on an engineering evaluation and QPSK was observed as the worst one and set for all conducted and radiated. Output power measurements were measured on QPSK, 16QAM, 64QAM, 256QAM, and BPSK, modulations.

5.3.5 Wi-Fi Test Configuration

SAR test reduction for 802.11 Wi-Fi transmission mode configurations are considered separately for DSSS and OFDM. An initial test position is determined to reduce the number of tests required for certain exposure configurations with multiple test positions. An initial test configuration is determined for each frequency band and aggregated band according to maximum output power, channel bandwidth, wireless mode configurations and other operating parameters to streamline the measurement requirements. For 2.4 GHz DSSS, either the initial test position or DSSS procedure is applied to reduce the number of SAR tests; These are mutually exclusive. For OFDM, an initial test position is only applicable to next to the ear, UMPC mini-tablet and hotspot mode configurations, which is tested using the initial test configuration to facilitate test reduction. For other exposure conditions with a fixed test position, SAR test reduction is determined using only the initial test configuration.

The multiple test positions require SAR measurements in head, hotspot mode or UMPC mini-tablet configurations may be reduced according to the highest reported SAR determined using the *initial test position(s)* by applying the DSSS or OFDM SAR measurement procedures in the required wireless mode test configuration(s). The *initial test position(s)* is measured using the highest measured maximum output power channel in the required wireless mode test configuration(s). When the *reported SAR* for the *initial test position* is:

- ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.
- 0.4 W/kg, SAR is repeated using the same wireless mode test configuration tested in the *initial test position* to measure the subsequent next closet/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel, until the *reported SAR* is ≤ 0.8 W/kg or all required test positions are tested.
 - ✧ For subsequent test positions with equivalent test separation distance or when exposure is dominated by coupling conditions, the position for maximum coupling condition should be tested.
 - ✧ When it is unclear, all equivalent conditions must be tested.
- For all positions/configurations tested using the *initial test position* and subsequent test positions, when the *reported SAR* is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the *reported SAR* is ≤ 1.2 W/kg or all required test channels are considered.
 - ✧ The additional power measurements required for this step should be limited to those necessary for identifying subsequent highest output power channels to apply

the test reduction.

To determine the initial test position, Area Scans were performed to determine the position with the Maximum Value of SAR (measured). The position that produced the highest Maximum Value of SAR is considered the worst case position; thus used as the initial test position.

A Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement.

5.3.6 Bluetooth Test Configuration

For Bluetooth SAR testing, Bluetooth engineering testing software installed on the EUT can provide continuous transmitting RF signal with maximum output power. And the CBT control the EUT operating with hopping off and data rate set for DH5.

The SAR measurement takes full account of the Bluetooth duty cycle and is reflected in the report, and the duty factor of the device is as follow:



Note: Duty factor= 77%

5.3.7 Downlink LTE CA specification

The Downlink Carrier Aggregation (DL CA) combinations supported by this device are shown in the table below.

Index	2CC	Need for DL CA Testing	Index	3CC	Need for DL CA Testing
2CC #1	CA_2A-5A	3CC #2	3CC #1	CA_2A-2A-71A	Yes
2CC #2	CA_2A-17A	3CC #4	3CC #2	CA_2A-5B	Yes
2CC #3	CA_2A-71A	3CC #1	3CC #3	CA_2A-7A-7A	Yes
2CC #4	CA_4A-12A	Yes	3CC #4	CA_2A-12A-12A	Yes
2CC #5	CA_5A-5A	3CC #11	3CC #5	CA_2A-48A-48A	Yes
2CC #6	CA_5A-7A	3CC #9	3CC #6	CA_2A-48C	Yes
2CC #7	CA_5A-25A	Yes	3CC #7	CA_4A-4A-5A	Yes
2CC #8	CA_5A-41A	Yes	3CC #8	CA_4A-48C	Yes
2CC #9	CA_7B	Yes	3CC #9	CA_5A-7A-7A	Yes
2CC #10	CA_7C	Yes	3CC #10	CA_5A-7C	Yes
2CC #11	CA_12B	3CC #12	3CC #11	CA_5A-5A-66A	Yes
2CC #12	CA_14A-66A	Yes	3CC #12	CA_7A-12B	Yes
2CC #13	CA_25A-25A	3CC #14	3CC #13	CA_12B-66A	Yes
2CC #14	CA_38C	Yes	3CC #14	CA_25A-25A-25A	Yes
2CC #15	CA_41A-41A	Yes	3CC #15	CA_41A-41A-41A	Yes
2CC #16	CA_41C	Yes	3CC #16	CA_48A-66B	Yes
2CC #17	CA_66A-66A	3CC #26	3CC #17	CA_48B-66A	Yes
2CC #18	CA_66A-71A	Yes	3CC #18	CA_48A-48C	Yes
			3CC #19	CA_48A-48A-66A	Yes
			3CC #20	CA_48A-48A-71A	Yes
			3CC #21	CA_48A-66A-66A	Yes
			3CC #22	CA_48A-66C	Yes
			3CC #23	CA_48C-66A	Yes
			3CC #24	CA_48C-71A	Yes
			3CC #25	CA_48D	Yes
			3CC #26	CA_66A-66A-66A	Yes
			3CC #27	CA_66A-66C	Yes

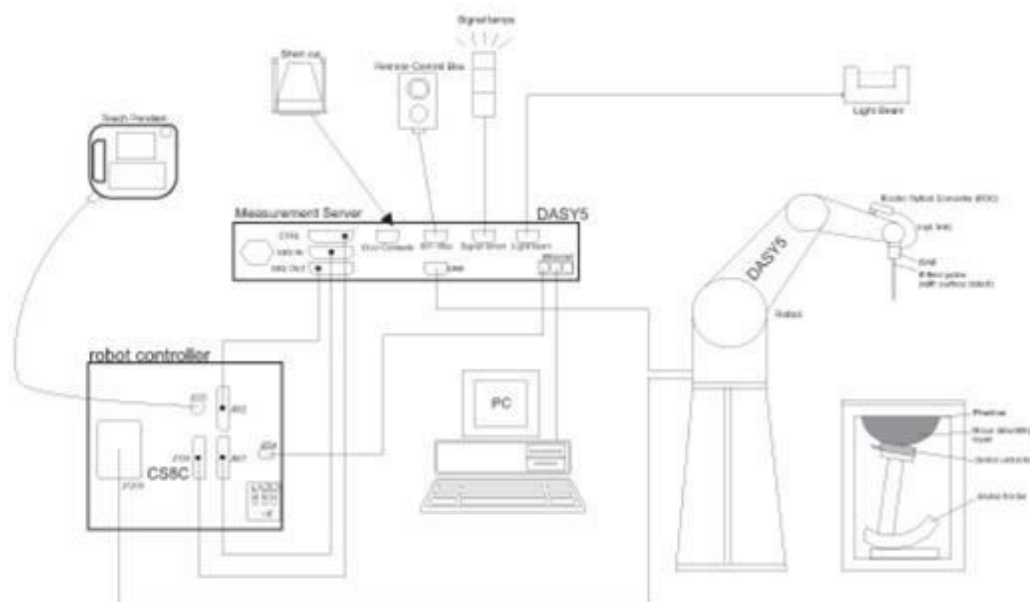
For downlink carrier aggregation, SAR is not required for downlink carrier aggregation in active uplink maximum output power not more than 1/4dB higher than the maximum output power measured when downlink carrier aggregation inactive.

For the detailed test data of DL CA, please refer to Chapter 9.3 of this report.

6 SAR Measurements System Configuration

6.1 SAR Measurement Set-up

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



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP or Win7 and the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

6.2 DASY5 E-field Probe System

The SAR measurements were conducted with the dosimetric probe EX3DV4 (manufactured by SPEAG), designed in the classical triangular configuration and optimized for dosimetric evaluation.

EX3DV4 Probe Specification

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	10 μ W/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)
Dimensions	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure Scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.



E-field Probe Calibration

Each probe is calibrated according to a dosimetric assessment procedure with accuracy better than $\pm 10\%$. The spherical isotropy was evaluated and found to be better than ± 0.25 dB. The sensitivity parameters (NormX, NormY, NormZ), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe are tested.

The free space E-field from amplified probe outputs is determined in a test chamber. This is performed in a TEM cell for frequencies below 1 GHz, and in a wave guide above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is then rotated 360 degrees.

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated brain tissue. The measured free space E-field in the medium correlates to temperature rise in a dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

$$SAR = C \Delta T / \Delta t$$

Where: Δt = Exposure time (30 seconds),
 C = Heat capacity of tissue (brain or muscle),
 ΔT = Temperature increase due to RF exposure.

Or

$$SAR = |E|^2 \sigma / \rho$$

Where: σ = Simulated tissue conductivity,
 ρ = Tissue density (kg/m³).

6.3 SAR Measurement Procedure

Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

Area Scan

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.

Area scan parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

	≤3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Zoom Scan

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

Zoom scan parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

			≤3GHz	> 3 GHz
Maximum zoom scan spatial resolution: $\Delta x_{\text{zoom}} \Delta y_{\text{zoom}}$			≤2GHz: ≤8mm 2 – 3GHz: ≤5mm*	3 – 4GHz: ≤5mm* 4 – 6GHz: ≤4mm*
Maximum zoom scan spatial resolution, normal to phantom surface	Uniform grid: $\Delta z_{\text{zoom}}(n)$		≤5mm	3 – 4GHz: ≤4mm 4 – 5GHz: ≤3mm 5 – 6GHz: ≤2mm
	Graded grid	$\Delta z_{\text{zoom}}(1)$: between 1 st two points closest to phantom surface	≤4mm	3 – 4GHz: ≤3mm 4 – 5GHz: ≤2.5mm 5 – 6GHz: ≤2mm
		$\Delta z_{\text{zoom}}(n > 1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{zoom}}(n-1)$	
Minimum zoom scan volume	X, y, z		≥30mm	3 – 4GHz: ≥28mm 4 – 5GHz: ≥25mm 5 – 6GHz: ≥22mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <u>reported</u> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is $\leq 1.4\text{W/kg}$, $\leq 8\text{mm}$, $\leq 7\text{mm}$ and $\leq 5\text{mm}$ zoom scan resolution may be applied, respectively, for 2GHz to 3GHz, 3GHz to 4GHz and 4GHz to 6GHz.				

Volume Scan Procedures

The volume scan is used to 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.

Power Drift Monitoring

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

7 Main Test Equipment

Name of Equipment	Manufacturer	Type/Model	Serial Number	Software Version	Last Cal.	Cal. Due Date
Network Analyzer	Agilent	E5071B	MY42404014	/	2025-11-24	2026-11-23
Dielectric Probe Kit	SPEAG	DAK-3.5	1332	/	2025-06-15	2027-06-14
Power Meter	Agilent	E4417A	GB41291714	/	2025-05-06	2026-05-05
Power Sensor	Agilent	N8481H	MY50350004	/	2025-05-06	2026-05-05
Power Sensor	Agilent	E9327A	US40441622	/	2025-05-06	2026-05-05
Signal Generator	KEYSIGHT	N5182B-X07	MY51350303	/	2025-11-24	2026-11-23
Dual Directional Coupler	UCL	UCL-DDC05 6G-S	20010600118	/	/	/
Amplifier	R&S	SCU18F	101022	/	2025-05-06	2026-05-05
Wireless Communication Tester	Anritsu	MT8820C	6201342015	/	2025-05-06	2026-05-05
Wireless Communication Tester	R&S	CMW 500	146734	/	2025-05-06	2026-05-05
E-field Probe	SPEAG	EX3DV4	3677	/	2025-05-28	2026-05-27
DAE	SPEAG	DAE4	1317	/	2025-11-19	2026-11-18
Validation Kit 750MHz	SPEAG	D750V3	1045	/	2023-09-12	2026-09-11
Validation Kit 835MHz	SPEAG	D835V2	4d020	/	2023-09-15	2026-09-14
Validation Kit 1750MHz	SPEAG	D1750V2	1033	/	2023-03-23	2026-03-22
Validation Kit 1900MHz	SPEAG	D1900V2	5d060	/	2023-09-12	2026-09-11
Validation Kit 2450MHz	SPEAG	D2450V2	786	/	2023-09-12	2026-09-11
Validation Kit 2600MHz	SPEAG	D2600V2	1025	/	2024-05-08	2027-05-07
Validation Kit 3500MHz	SPEAG	D3500V2	1083	/	2025-09-10	2028-09-09
Validation Kit 3700MHz	SPEAG	D3700V2	1048	/	2025-09-09	2028-09-08
Validation Kit 5GHz	SPEAG	D5GHzV2	1151	/	2023-03-24	2026-03-23
Tissue test software	SPEAG	/	/	3.0.4.1	/	/
Temperature Probe	Auden	DTM3000	3905	/	2025-11-27	2026-11-26
Twin SAM Phantom	SPEAG	SAM1	1667	/	/	/
Twin SAM Phantom	SPEAG	SAM2	1666	/	/	/
Hygrothermograph	Anymetr	HTC - 1	TA2025A041	/	2025-05-06	2026-05-05
Test System	SPEAG	TX90 XLspeag	F11/5H7CA1/ A/01	52.10.4.152 7	/	/

8 Tissue Dielectric Parameter Measurements & System Check

8.1 Tissue Verification

The temperature of the tissue-equivalent medium used during measurement must also be within 18°C to 25°C and within $\pm 2^\circ\text{C}$ of the temperature when the tissue parameters are characterized. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 24 hours of use; or earlier if the dielectric parameters can become out of tolerance.

Target values

Frequency (MHz)	ϵ_r	$\sigma(\text{s/m})$
750	42.0	0.90
835	41.5	0.90
1750	40.1	1.37
1900	40.0	1.40
2450	39.2	1.80
2600	39.0	1.96
3500	37.9	2.91
3700	37.7	3.12
5250	35.9	4.71
5750	35.4	5.22

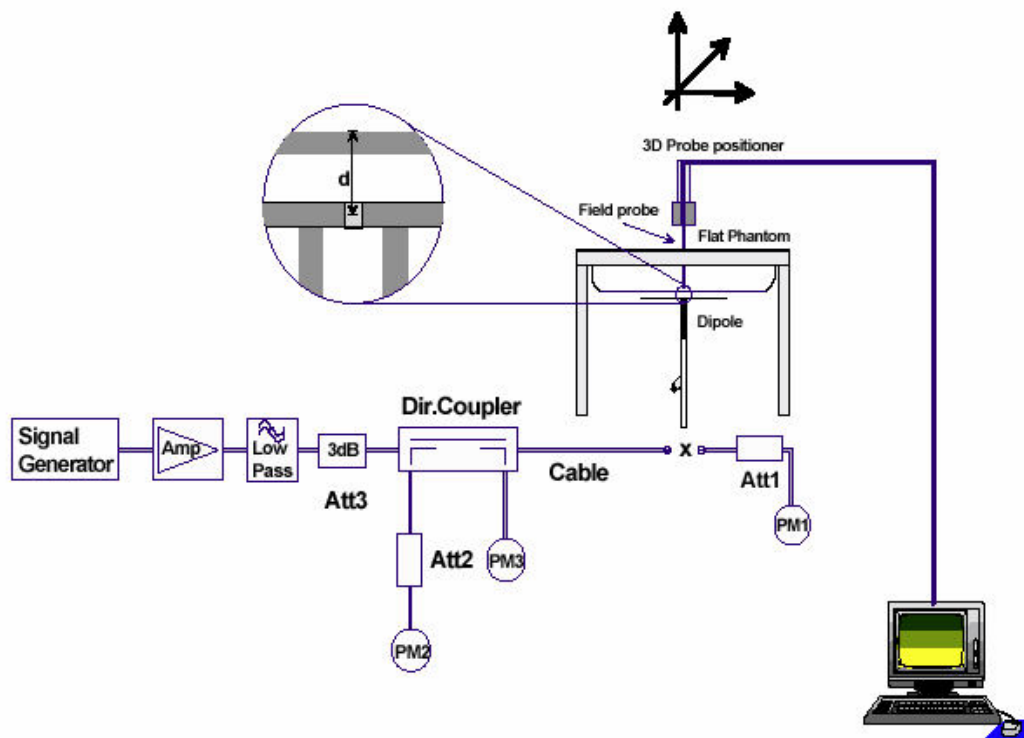
Measurements results

Frequency (MHz)	Test Date	Temp ℃	Measured Dielectric Parameters		Target Dielectric Parameters		Limit (Within ±5%)	
			ϵ_r	σ (s/m)	ϵ_r	σ (s/m)	Dev ϵ_r (%)	Dev σ (%)
750	12/26/2025	21.5	42.3	0.88	42.0	0.90	0.71	-2.22
	12/27/2025	21.5	42.0	0.87	42.0	0.90	0.00	-3.33
	12/29/2025	21.5	41.8	0.89	42.0	0.90	-0.48	-1.11
835	1/7/2026	21.5	41.4	0.88	41.5	0.90	-0.24	-2.22
	1/8/2026	21.5	41.3	0.87	41.5	0.90	-0.48	-3.33
	1/9/2026	21.5	41.4	0.92	41.5	0.90	-0.24	2.22
1750	1/12/2026	21.5	40.2	1.34	40.1	1.37	0.25	-2.19
	1/13/2026	21.5	40.1	1.34	40.1	1.37	0.00	-2.19
	1/14/2026	21.5	40.2	1.36	40.1	1.37	0.25	-0.73
1900	1/19/2026	21.5	40.1	1.41	40.0	1.40	0.25	0.71
	1/20/2026	21.5	40.2	1.43	40.0	1.40	0.50	2.14
2450	1/15/2026	21.5	38.6	1.81	39.2	1.80	-1.53	0.56
2600	1/16/2026	21.5	38.2	2.01	39.0	1.96	-2.05	2.55
	1/17/2026	21.5	38.4	1.94	39.0	1.96	-1.54	-1.02
3500	1/23/2026	21.5	37.1	2.83	37.9	2.91	-2.11	-2.75
3700	1/24/2026	21.5	38.0	3.01	37.7	3.12	0.80	-3.53
5250	1/21/2026	21.5	35.5	4.80	35.9	4.71	-1.11	1.91
5750	1/21/2026	21.5	34.9	5.21	35.4	5.22	-1.41	-0.19
Note: For the tissue-equivalent liquid in the phantom, its depth shall be not less than 15.0 cm when the frequency band is below 3 GHz, and not less than 10.0 cm when the frequency band is above 3 GHz.								

8.2 System Check

The manufacturer calibrates the probes annually. Dielectric parameters of the tissue simulates were measured using the dielectric probe kit and the network analyzer. A system check measurement for every day was made following the determination of the dielectric parameters of the Tissue simulates, using the dipole validation kit. The dipole antenna was placed under the flat section of the twin SAM phantom.

System check is performed regularly on all frequency bands where tests are performed with the DASY system.



Picture 1 System Check setup



Picture 2 Setup Photo

Justification for Extended SAR Dipole Calibrations

Usage of SAR dipoles calibrated less than 3 years ago but more than 1 year ago were confirmed in maintaining return loss (> 20 dB, within 20% of prior calibration) and impedance (within 5 ohm from prior calibration) requirements per extended calibrations in KDB 865664 D01:

Dipole		Date of Measurement	Return Loss (dB)	Δ %	Impedance (Ω)			
					Real	$\Delta\Omega$	Imaginary	$\Delta\Omega$
Dipole D750V3 SN: 1045	Head Liquid	9/12/2023	30.4	/	51.9	/	-2.47	/
		9/11/2024	30.1	-0.9	52.3	0.4	-2.46	0.01
		9/10/2025	29.8	-1.1	52.1	-0.2	-1.99	0.47
Dipole D835V2 SN: 4d020	Head Liquid	9/15/2023	28.3	/	50.6	/	-3.80	/
		9/14/2024	28.9	2.1	51.4	0.8	-3.66	0.14
		9/13/2025	27.9	-3.6	50.3	-1.1	-3.57	0.09
Dipole D1750V2 SN: 1033	Head Liquid	3/23/2023	36.2	/	51.2	/	-0.98	/
		3/22/2024	35.4	-2.2	51.6	0.4	-1.28	-0.3
		3/21/2025	36.7	3.7	49.8	-1.8	-0.72	0.56
Dipole D1900V2 SN: 5d060	Head Liquid	9/12/2023	24.0	/	50.5	/	6.32	/
		9/11/2024	24.1	0.4	50.9	0.4	6.83	0.51
		9/10/2025	24.3	0.9	51.5	0.6	6.62	-0.21
Dipole D2450V2 SN:786	Head Liquid	9/12/2023	28.2	/	52.2	/	3.34	/
		9/11/2024	28.6	1.4	52.8	0.6	3.43	0.09
		9/10/2025	28.0	-1.9	51.9	-0.9	3.58	0.15
Dipole D2600V2 SN: 1025	Head Liquid	5/08/2024	24.2	/	49.0	/	-6.02	/
		5/07/2025	24.6	1.7	50.1	1.1	-5.92	0.1
Dipole D5GHzV2 (5250 MHz) SN: 1151	Head Liquid	3/24/2023	22.8	/	50.5	/	-7.30	/
		3/23/2024	23.1	1.3	51.2	0.7	-6.9	0.4
		3/22/2025	23.2	0.4	51.8	0.6	-6.32	0.58
Dipole D5GHzV2 (5750 MHz) SN: 1151	Head Liquid	3/24/2023	25.8	/	55.2	/	-1.66	/
		3/23/2024	25.2	-2.3	56.7	1.5	-1.02	0.64
		3/22/2025	25.1	-0.4	56.3	-0.4	-1.1	-0.08

System Check Results

Frequency (MHz)	Test Date	Temp °C	250mW Measured SAR _{1g} (W/kg)	1W Normalized SAR _{1g} (W/kg)	1W Target SAR _{1g} (W/kg)	Δ % (Limit ±10%)	Plot No.
750	12/26/2025	21.5	2.13	8.52	8.47	0.59	1
	12/27/2025	21.5	2.10	8.40	8.47	-0.83	2
	12/29/2025	21.5	2.04	8.16	8.47	-3.66	3
835	1/7/2026	21.5	2.44	9.76	9.75	0.10	4
	1/8/2026	21.5	2.46	9.84	9.75	0.92	5
	1/9/2026	21.5	2.43	9.72	9.75	-0.31	6
1750	1/12/2026	21.5	8.95	35.80	36.60	-2.19	7
	1/13/2026	21.5	9.11	36.44	36.60	-0.44	8
	1/14/2026	21.5	8.96	35.84	36.60	-2.08	9
1900	1/19/2026	21.5	9.88	39.52	40.40	-2.18	10
	1/20/2026	21.5	9.85	39.40	40.40	-2.48	11
2450	1/15/2026	21.5	13.70	54.80	52.60	4.18	12
2600	1/16/2026	21.5	13.90	55.60	55.50	0.18	13
	1/17/2026	21.5	13.88	55.52	55.50	0.04	14
Frequency (MHz)	Test Date	Temp °C	100mW Measured SAR _{1g} (W/kg)	1W Normalized SAR _{1g} (W/kg)	1W Target SAR _{1g} (W/kg)	Δ % (Limit ±10%)	Plot No.
3500	1/23/2026	21.5	6.57	65.70	65.90	-0.30	15
3700	1/24/2026	21.5	6.83	68.30	66.80	2.25	16
5250	1/21/2026	21.5	7.87	78.70	77.90	1.03	17
5750	1/21/2026	21.5	7.66	76.60	78.00	-1.79	18
Note: Target Values used derive from the calibration certificate data storage and evaluation.							

8.3 SAR System Validation

Per FCC KDB 865664 D02v01, SAR system verification is required to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles are used with the required tissue-equivalent media for system validation, according to the procedures outlined in FCC KDB 865664 D01 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point must be validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status, measurement frequencies, SAR probes, calibrated signal type(s) and tissue dielectric parameters has been included.

Frequency [MHz]	Date	Probe SN	Probe Type	Probe Cal Point		PERM (Er)	COND (Σ)	CW Validation		
								Sensitivity	Probe Linearity	Probe Isotropy
750	2025/05/28	3677	EX3DV4	750	Head	41.9	0.89	PASS	PASS	PASS
835	2025/05/28	3677	EX3DV4	835	Head	41.5	0.90	PASS	PASS	PASS
1750	2025/05/28	3677	EX3DV4	1750	Head	40.1	1.37	PASS	PASS	PASS
1900	2025/05/28	3677	EX3DV4	1900	Head	40.0	1.40	PASS	PASS	PASS
2450	2025/05/28	3677	EX3DV4	2450	Head	39.2	1.80	PASS	PASS	PASS
2600	2025/05/28	3677	EX3DV4	2600	Head	39.0	1.96	PASS	PASS	PASS
3500	2025/05/28	3677	EX3DV4	3500	Head	37.9	2.91	PASS	PASS	PASS
3700	2025/05/28	3677	EX3DV4	3700	Head	37.7	3.12	PASS	PASS	PASS
5250	2025/05/28	3677	EX3DV4	5250	Head	35.9	4.71	PASS	PASS	PASS
5750	2025/05/28	3677	EX3DV4	5750	Head	35.4	5.22	PASS	PASS	PASS

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664D01v01 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5dB), such as OFDM according to KDB 865664.

9 Normal and Maximum Output Power

KDB 447498 D01 at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

9.1 WCDMA Mode

The following tests were completed according to the test requirements outlined in the 3GPP TS34.121 specification.

WCDMA Full power		Band II(dBm)				Band IV(dBm)				Band V(dBm)			
Tx Channel		9262	9400	9538	Tune-up Limit	1312	1413	1513	Tune-up Limit	4132	4183	4233	Tune-up Limit
Frequency(MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.6	846.6	
RMC	12.2kbps	24.06	23.98	23.97	24.50	22.33	22.47	22.26	23.00	24.13	24.12	24.06	24.50
HSDPA	Sub 1	22.78	22.70	22.69	24.00	21.80	21.66	21.60	22.50	22.80	22.99	23.06	24.00
	Sub 2	22.47	22.39	22.38	24.00	21.76	21.96	21.92	22.50	22.59	22.78	22.85	24.00
	Sub 3	21.56	21.48	21.47	23.00	20.80	20.90	20.62	21.50	21.58	21.77	21.84	23.00
	Sub 4	21.55	21.47	21.46	23.00	20.52	20.96	20.92	21.50	21.57	21.76	21.83	23.00
HSUPA	Sub 1	22.94	22.86	22.85	24.00	21.84	21.96	21.72	22.50	22.96	23.15	23.22	24.00
	Sub 2	21.03	20.95	20.94	22.00	19.64	19.84	19.88	20.50	20.95	21.14	21.21	22.00
	Sub 3	21.41	21.34	21.33	23.00	20.64	20.76	20.84	21.50	21.83	22.03	22.10	23.00
	Sub 4	20.90	20.83	20.82	22.00	19.52	19.74	19.72	20.50	20.92	21.12	21.19	22.00
	Sub 5	23.29	23.22	23.21	24.00	21.56	21.68	21.64	22.50	22.91	23.11	23.18	24.00
DC-HSDPA	Sub 1	23.60	23.54	23.51	24.00	21.62	21.78	21.60	22.50	23.12	23.33	23.38	24.00
	Sub 2	23.09	23.03	23.00	24.00	21.64	21.66	21.62	22.50	23.11	23.32	23.37	24.00
	Sub 3	22.77	22.62	22.61	23.00	20.64	20.82	20.62	21.50	22.69	22.81	22.88	23.00
	Sub 4	22.76	22.61	22.60	23.00	20.64	20.70	20.84	21.50	22.68	22.80	22.87	23.00

Note: Per KDB 941225 D01, SAR for each exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".

9.2 LTE Mode

The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3

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

LTE B2							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	22.30	22.61	22.43	23.50
		1	2	22.39	22.70	22.31	23.50
		1	5	22.50	22.39	22.05	23.50
		3	0	22.48	22.67	22.42	23.50
		3	2	22.39	22.45	22.53	23.50
		3	3	22.46	22.41	22.16	23.50
		6	0	21.58	21.63	21.34	22.50
	16QAM	1	0	21.69	22.00	21.75	22.50
		1	2	21.78	21.91	21.47	22.50
		1	5	21.77	21.56	21.50	22.50
		3	0	21.27	21.37	21.53	22.50
		3	2	21.25	21.29	21.29	22.50
		3	3	21.56	21.42	21.33	22.50
		6	0	20.72	20.83	20.66	21.50
	64QAM	1	0	20.43	20.91	20.50	21.50
		1	2	20.92	20.65	20.49	21.50
		1	5	20.48	20.30	20.50	21.50
		3	0	20.11	20.43	20.28	21.50
		3	2	20.46	20.32	20.22	21.50
		3	3	20.49	20.27	20.23	21.50
		6	0	19.50	19.77	19.68	20.50
	256QAM	1	0	17.17	17.33	17.53	18.50
		3	0	17.63	16.91	17.71	18.50
		6	0	17.22	17.34	17.22	18.50
Bandwidth	Modulation	RB	Offset	Channel/Frequency(MHz)			Tune-up

		Allocation		18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	22.18	22.39	22.39	23.50
		1	7	22.49	22.24	22.67	23.50
		1	14	22.20	22.51	22.07	23.50
		8	0	21.62	21.71	21.36	22.50
		8	4	21.57	21.47	21.49	22.50
		8	7	21.54	21.51	21.20	22.50
		15	0	21.58	21.59	21.20	22.50
	16QAM	1	0	21.51	21.96	21.59	22.50
		1	7	21.80	21.71	21.45	22.50
		1	14	21.55	21.94	21.62	22.50
		8	0	20.31	20.51	20.61	21.50
		8	4	20.43	20.37	20.25	21.50
		8	7	20.70	20.52	20.59	21.50
		15	0	20.44	20.45	20.52	21.50
	64QAM	1	0	20.79	20.81	20.42	21.50
		1	7	20.82	20.47	20.39	21.50
		1	14	20.72	20.56	20.50	21.50
		8	0	19.13	19.55	19.60	20.50
		8	4	19.56	19.70	19.58	20.50
		8	7	19.47	19.37	19.35	20.50
		15	0	19.36	19.29	19.74	20.50
	256QAM	1	0	17.07	17.47	17.57	18.50
		8	0	17.73	17.13	17.55	18.50
		15	0	17.28	17.32	17.52	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	22.36	22.51	22.43	23.50
		1	13	22.45	22.46	22.41	23.50
		1	24	22.42	22.41	22.15	23.50
		12	0	21.34	21.69	21.54	22.50
		12	6	21.55	21.57	21.39	22.50
		12	13	21.58	21.51	21.52	22.50
		25	0	21.68	21.55	21.46	22.50
	16QAM	1	0	21.69	22.02	21.59	22.50
		1	13	21.72	21.93	21.51	22.50
		1	24	21.61	21.62	21.58	22.50
		12	0	20.37	20.77	20.53	21.50
		12	6	20.47	20.65	20.45	21.50
		12	13	20.56	20.60	20.45	21.50
		25	0	20.52	20.65	20.58	21.50
	64QAM	1	0	20.63	20.85	20.50	21.50
		1	13	20.86	20.61	20.63	21.50

		1	24	20.64	20.44	20.50	21.50
		12	0	19.39	19.69	19.70	20.50
		12	6	19.60	19.62	19.38	20.50
		12	13	19.53	19.63	19.51	20.50
		25	0	19.44	19.67	19.40	20.50
	256QAM	1	0	17.19	17.55	17.47	18.50
		12	0	17.51	17.23	17.33	18.50
		25	0	17.24	17.18	17.18	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	22.52	22.65	22.55	23.50
		1	25	22.65	22.54	22.41	23.50
		1	49	22.64	22.23	22.31	23.50
		25	0	21.26	21.41	21.66	22.50
		25	13	21.59	21.75	21.33	22.50
		25	25	21.68	21.63	21.44	22.50
		50	0	21.36	21.65	21.50	22.50
	16QAM	1	0	21.83	22.06	21.49	22.50
		1	25	21.62	21.91	21.71	22.50
		1	49	21.81	21.60	21.38	22.50
		25	0	20.51	20.51	20.67	21.50
		25	13	20.59	20.51	20.55	21.50
		25	25	20.50	20.74	20.45	21.50
		50	0	20.50	20.47	20.44	21.50
	64QAM	1	0	20.37	21.03	20.48	21.50
		1	25	20.62	20.71	20.53	21.50
		1	49	20.64	20.66	20.42	21.50
		25	0	19.43	19.73	19.76	20.50
		25	13	19.56	19.78	19.58	20.50
		25	25	19.51	19.59	19.41	20.50
		50	0	19.68	19.77	19.48	20.50
	256QAM	1	0	17.27	17.43	17.65	18.50
		25	0	17.45	17.33	17.51	18.50
		50	0	17.50	17.44	17.54	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	22.48	22.55	22.43	23.50
		1	38	22.37	22.64	22.29	23.50
		1	74	22.30	22.35	22.21	23.50
		36	0	21.48	21.47	21.60	22.50
		36	18	21.53	21.59	21.39	22.50
		36	39	21.44	21.51	21.38	22.50
		75	0	21.42	21.49	21.56	22.50

	16QAM	1	0	21.79	21.84	21.65	22.50
		1	38	21.92	21.89	21.61	22.50
		1	74	21.85	21.74	21.50	22.50
		36	0	20.55	20.49	20.47	21.50
		36	18	20.59	20.69	20.43	21.50
		36	39	20.60	20.68	20.51	21.50
		75	0	20.44	20.73	20.60	21.50
	64QAM	1	0	20.55	21.03	20.66	21.50
		1	38	20.84	20.57	20.69	21.50
		1	74	20.52	20.50	20.54	21.50
		36	0	19.55	19.67	19.60	20.50
		36	18	19.46	19.58	19.52	20.50
		36	39	19.53	19.51	19.33	20.50
		75	0	19.40	19.67	19.48	20.50
	256QAM	1	0	17.33	17.51	17.53	18.50
		36	0	17.43	17.15	17.35	18.50
		75	0	17.20	17.48	17.42	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	22.38	22.47	22.45	23.50
		1	50	22.43	22.50	22.39	23.50
		1	99	22.42	22.33	22.17	23.50
		50	0	21.42	21.59	21.52	22.50
		50	25	21.53	21.59	21.47	22.50
		50	50	21.54	21.53	21.36	22.50
		100	0	21.52	21.57	21.48	22.50
	16QAM	1	0	21.69	21.96	21.63	22.50
		1	50	21.76	21.77	21.59	22.50
		1	99	21.69	21.70	21.44	22.50
		50	0	20.41	20.61	20.51	21.50
		50	25	20.53	20.61	20.53	21.50
		50	50	20.54	20.56	20.41	21.50
		100	0	20.52	20.59	20.50	21.50
	64QAM	1	0	20.53	20.85	20.50	21.50
		1	50	20.70	20.61	20.51	21.50
		1	99	20.64	20.46	20.44	21.50
		50	0	19.43	19.55	19.54	20.50
		50	25	19.54	19.60	19.48	20.50
		50	50	19.55	19.55	19.39	20.50
		100	0	19.50	19.57	19.50	20.50
	256QAM	1	0	17.29	17.39	17.55	18.50
		50	0	17.53	17.25	17.37	18.50
		100	0	17.26	17.32	17.28	18.50

LTE B4							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	22.02	21.94	22.12	23.00
		1	2	22.14	22.03	21.97	23.00
		1	5	21.89	22.10	22.31	23.00
		3	0	21.93	21.77	21.95	23.00
		3	2	21.81	21.97	22.01	23.00
		3	3	21.83	21.98	22.31	23.00
		6	0	21.19	20.80	21.19	22.00
	16QAM	1	0	21.39	21.19	21.20	22.00
		1	2	21.29	21.14	21.49	22.00
		1	5	21.29	21.12	21.52	22.00
		3	0	21.07	21.02	20.85	22.00
		3	2	21.13	21.04	21.17	22.00
		3	3	20.67	20.67	20.93	22.00
		6	0	19.89	19.84	20.04	21.00
	64QAM	1	0	20.39	20.44	20.39	21.00
		1	2	20.41	19.98	20.25	21.00
		1	5	20.19	20.29	20.52	21.00
		3	0	19.95	19.80	19.84	21.00
		3	2	19.95	19.70	19.96	21.00
		3	3	19.66	20.05	20.03	21.00
		6	0	19.07	19.14	19.22	20.00
	256QAM	1	0	17.44	17.22	17.14	18.00
		3	0	17.57	17.45	17.33	18.00
		6	0	17.16	16.80	16.96	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	22.04	21.78	22.08	23.00
		1	7	22.04	21.89	22.03	23.00
		1	14	21.85	22.02	22.21	23.00
		8	0	21.07	21.11	21.27	22.00
		8	4	21.11	20.99	21.27	22.00
		8	7	20.97	20.90	21.19	22.00
		15	0	21.17	20.90	21.15	22.00
	16QAM	1	0	21.39	21.35	21.48	22.00
		1	7	21.39	21.42	21.57	22.00
		1	14	21.39	21.36	21.46	22.00
		8	0	20.13	20.00	20.17	21.00
		8	4	20.17	20.00	20.15	21.00
		8	7	19.81	19.93	20.13	21.00

		15	0	20.17	20.14	20.28	21.00
		1	0	20.39	20.38	20.15	21.00
		1	7	20.17	20.02	20.49	21.00
		1	14	20.17	20.13	20.70	21.00
		8	0	18.97	18.92	19.10	20.00
		8	4	19.01	19.06	19.12	20.00
		8	7	18.94	19.03	19.25	20.00
		15	0	19.09	19.06	19.14	20.00
		1	0	16.82	16.76	17.08	18.00
		8	0	17.34	17.42	17.00	18.00
		15	0	17.47	17.15	17.33	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	21.94	22.08	21.70	23.00
		1	13	21.82	21.65	21.91	23.00
		1	24	21.97	21.64	22.21	23.00
		12	0	21.27	20.99	21.13	22.00
		12	6	20.89	21.05	21.09	22.00
		12	13	20.73	20.74	21.15	22.00
		25	0	20.97	20.90	20.85	22.00
	16QAM	1	0	21.45	21.27	21.36	22.00
		1	13	21.31	21.18	21.47	22.00
		1	24	21.07	21.32	21.42	22.00
		12	0	20.27	19.86	19.99	21.00
		12	6	19.93	20.16	20.27	21.00
		12	13	19.63	19.83	20.09	21.00
		25	0	19.79	19.94	20.36	21.00
	64QAM	1	0	20.07	20.54	20.17	21.00
		1	13	20.17	19.94	20.25	21.00
		1	24	19.97	20.11	20.72	21.00
		12	0	18.99	18.90	19.22	20.00
		12	6	19.17	18.80	19.14	20.00
		12	13	18.68	18.99	19.09	20.00
		25	0	19.17	19.04	19.12	20.00
	256QAM	1	0	17.36	17.26	17.14	18.00
		12	0	17.43	17.35	17.15	18.00
		25	0	16.88	17.08	17.08	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20000/1715	20175/1732.5	20350/1750	
10MHz	QPSK	1	0	21.94	21.98	22.06	23.00
		1	25	22.04	21.71	21.97	23.00
		1	49	22.03	22.10	22.11	23.00
		25	0	21.29	20.79	21.31	22.00

		25	13	20.97	20.77	20.97	22.00
		25	25	20.91	21.06	21.41	22.00
		50	0	21.23	20.98	20.99	22.00
		1	0	21.39	21.39	21.50	22.00
		1	25	21.19	21.08	21.29	22.00
		1	49	21.19	21.18	21.60	22.00
		25	0	20.09	20.20	19.91	21.00
		25	13	20.17	20.16	20.15	21.00
		25	25	20.09	19.93	20.17	21.00
	16QAM	50	0	19.99	19.80	20.22	21.00
		1	0	20.35	20.22	20.13	21.00
		1	25	20.09	20.04	20.53	21.00
		1	49	20.15	20.31	20.68	21.00
		25	0	18.99	18.94	19.00	20.00
		25	13	18.99	19.06	19.16	20.00
		25	25	19.10	19.13	19.27	20.00
		50	0	19.17	18.98	19.02	20.00
	64QAM	1	0	16.84	16.82	16.90	18.00
		25	0	17.40	17.28	17.20	18.00
		50	0	17.49	17.33	17.15	18.00
	256QAM						
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	22.06	22.00	22.16	23.00
		1	38	22.00	21.71	21.97	23.00
		1	74	21.85	22.00	22.27	23.00
		36	0	21.13	20.89	21.21	22.00
		36	18	21.17	20.89	21.05	22.00
		36	39	20.93	20.96	21.35	22.00
		75	0	21.15	20.86	21.25	22.00
	16QAM	1	0	21.35	21.49	21.44	22.00
		1	38	21.39	21.24	21.61	22.00
		1	74	21.27	21.38	21.50	22.00
		36	0	19.95	19.98	20.21	21.00
		36	18	20.03	20.12	20.35	21.00
		36	39	19.87	20.07	20.35	21.00
		75	0	20.03	20.16	20.28	21.00
	64QAM	1	0	20.39	20.24	20.09	21.00
		1	38	20.39	20.14	20.29	21.00
		1	74	20.15	20.13	20.58	21.00
		36	0	19.17	19.10	19.14	20.00
		36	18	19.15	18.88	19.14	20.00
		36	39	18.94	18.89	19.35	20.00
		75	0	18.93	19.10	19.06	20.00

	256QAM	1	0	17.06	17.06	16.90	18.00
		36	0	17.20	17.38	17.00	18.00
		75	0	17.31	17.31	17.33	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20050/1720	20175/1732.5	20300/1745	
20MHz	QPSK	1	0	22.00	21.88	21.98	23.00
		1	50	21.90	21.79	22.07	23.00
		1	99	21.87	21.94	22.21	23.00
		50	0	21.09	20.95	21.13	22.00
		50	25	21.05	20.93	21.15	22.00
		50	50	20.93	20.94	21.23	22.00
		100	0	21.03	20.92	21.13	22.00
	16QAM	1	0	21.37	21.31	21.36	22.00
		1	50	21.29	21.26	21.47	22.00
		1	99	21.23	21.26	21.52	22.00
		50	0	20.07	19.98	20.07	21.00
		50	25	20.07	19.98	20.17	21.00
		50	50	19.91	19.93	20.23	21.00
		100	0	20.03	19.98	20.12	21.00
	64QAM	1	0	20.23	20.26	20.17	21.00
		1	50	20.23	19.98	20.35	21.00
		1	99	20.07	20.13	20.56	21.00
		50	0	19.07	18.98	19.10	20.00
		50	25	19.05	18.96	19.14	20.00
		50	50	18.92	18.97	19.23	20.00
		100	0	19.05	18.96	19.12	20.00
	256QAM	1	0	16.94	16.92	16.92	18.00
		50	0	17.26	17.28	17.04	18.00
		100	0	17.35	17.31	17.25	18.00
LTE B5							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				20407/824.7	20525/836.5	20643/848.3	
1.4MHz	QPSK	1	0	22.42	22.53	22.67	23.50
		1	2	22.85	23.00	22.90	23.50
		1	5	22.84	22.82	22.71	23.50
		3	0	22.43	22.48	22.78	23.50
		3	2	22.73	22.40	22.54	23.50
		3	3	22.71	22.59	22.59	23.50
		6	0	21.62	21.88	21.98	22.50
	16QAM	1	0	21.99	21.94	22.06	22.50
		1	2	21.95	22.06	21.86	22.50
1		5	21.84	21.74	22.10	22.50	

		3	0	21.58	21.67	21.54	22.50
		3	2	21.65	21.43	21.66	22.50
		3	3	21.46	21.82	21.74	22.50
		6	0	20.72	20.89	20.87	21.50
	64QAM	1	0	21.50	20.69	20.79	21.50
		1	2	20.87	20.88	21.02	21.50
		1	5	21.12	20.75	21.02	21.50
		3	0	20.38	20.48	20.47	21.50
		3	2	20.53	20.57	20.83	21.50
		3	3	20.46	20.51	20.62	21.50
		6	0	19.91	19.74	19.67	20.50
	256QAM	1	0	17.64	17.82	17.90	18.50
		3	0	17.97	17.57	17.59	18.50
		6	0	17.69	17.73	17.37	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20415/825.5	20525/836.5	20635/847.5	
3MHz	QPSK	1	0	22.42	22.67	22.83	23.50
		1	7	22.65	22.98	22.76	23.50
		1	14	22.86	22.72	22.77	23.50
		8	0	21.73	21.62	21.64	22.50
		8	4	21.55	21.62	21.88	22.50
		8	7	21.95	21.69	21.67	22.50
		15	0	21.62	21.80	21.86	22.50
	16QAM	1	0	22.27	21.70	21.84	22.50
		1	7	22.05	22.20	22.16	22.50
		1	14	22.00	21.70	22.22	22.50
		8	0	20.60	20.53	20.68	21.50
		8	4	20.81	20.63	20.80	21.50
		8	7	20.62	20.66	20.78	21.50
		15	0	20.66	20.69	20.97	21.50
	64QAM	1	0	21.34	21.07	20.67	21.50
		1	7	20.91	20.98	21.20	21.50
		1	14	20.94	21.07	21.14	21.50
		8	0	19.70	19.70	19.61	20.50
		8	4	19.99	19.75	19.87	20.50
		8	7	19.72	19.65	19.66	20.50
		15	0	19.65	19.78	19.67	20.50
	256QAM	1	0	17.60	18.08	18.12	18.50
		8	0	17.91	17.61	17.73	18.50
		15	0	17.31	17.77	17.65	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20425/826.5	20525/836.5	20625/846.5	
5MHz	QPSK	1	0	22.48	22.65	22.77	23.50

		1	13	22.83	22.68	22.96	23.50
		1	24	22.62	22.82	22.55	23.50
		12	0	21.53	21.86	21.68	22.50
		12	6	21.91	21.76	21.80	22.50
		12	13	21.89	21.63	21.79	22.50
		25	0	21.70	21.70	21.72	22.50
	16QAM	1	0	22.07	21.80	22.14	22.50
		1	13	22.11	22.20	22.06	22.50
		1	24	21.86	22.00	21.92	22.50
		12	0	20.60	20.77	20.76	21.50
		12	6	20.65	20.81	20.76	21.50
		12	13	20.88	20.80	20.84	21.50
		25	0	20.62	20.73	20.73	21.50
	64QAM	1	0	21.42	20.73	20.93	21.50
		1	13	20.73	20.86	21.20	21.50
		1	24	21.00	20.93	20.90	21.50
		12	0	19.64	19.70	19.69	20.50
		12	6	19.75	19.85	19.93	20.50
		12	13	19.64	19.89	19.86	20.50
		25	0	19.91	19.68	19.79	20.50
	256QAM	1	0	17.86	17.88	17.92	18.50
		12	0	17.75	17.63	17.61	18.50
		25	0	17.61	17.55	17.49	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20450/829	20525/836.5	20600/844	
10MHz	QPSK	1	0	22.54	22.59	22.69	23.50
		1	25	22.65	22.80	22.78	23.50
		1	49	22.64	22.68	22.61	23.50
		25	0	21.65	21.70	21.72	22.50
		25	13	21.73	21.68	21.80	22.50
		25	25	21.73	21.75	21.75	22.50
		50	0	21.70	21.68	21.80	22.50
	16QAM	1	0	22.05	21.86	21.98	22.50
		1	25	21.93	22.04	22.02	22.50
		1	49	21.90	21.82	22.02	22.50
		25	0	20.68	20.69	20.68	21.50
		25	13	20.75	20.71	20.84	21.50
		25	25	20.70	20.74	20.78	21.50
		50	0	20.70	20.69	20.77	21.50
	64QAM	1	0	21.34	20.85	20.83	21.50
		1	25	20.83	20.90	21.02	21.50
		1	49	20.94	20.87	20.92	21.50
		25	0	19.64	19.68	19.69	20.50

		25	13	19.77	19.71	19.79	20.50
		25	25	19.70	19.73	19.76	20.50
		50	0	19.75	19.68	19.79	20.50
	256QAM	1	0	17.72	17.90	17.90	18.50
		25	0	17.81	17.61	17.59	18.50
		50	0	17.49	17.67	17.49	18.50
LTE B7							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				20775/2502.5	21100/2535	21425/2567.5	
5MHz	QPSK	1	0	22.33	22.68	22.44	23.50
		1	13	22.48	22.52	22.74	23.50
		1	24	22.56	22.43	22.48	23.50
		12	0	21.64	21.79	21.78	22.50
		12	6	21.36	21.45	21.82	22.50
		12	13	21.76	21.85	21.90	22.50
		25	0	21.60	21.66	21.61	22.50
	16QAM	1	0	21.93	22.07	21.74	22.50
		1	13	21.84	21.69	21.69	22.50
		1	24	21.85	22.03	21.85	22.50
		12	0	20.54	20.57	20.76	21.50
		12	6	20.68	20.44	20.72	21.50
		12	13	20.59	20.56	20.54	21.50
		25	0	20.40	20.32	20.57	21.50
	64QAM	1	0	20.79	20.42	20.84	21.50
		1	13	20.51	20.96	20.75	21.50
		1	24	20.89	20.42	20.98	21.50
		12	0	19.35	19.53	19.29	20.50
		12	6	19.59	19.42	19.49	20.50
		12	13	19.53	19.51	19.54	20.50
		25	0	19.53	19.53	19.65	20.50
	256QAM	1	0	17.77	17.91	17.49	18.50
		12	0	17.96	17.90	18.06	18.50
		25	0	17.52	17.88	17.26	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20800/2505	21100/2535	21400/2565	
10MHz	QPSK	1	0	22.39	22.64	22.32	23.50
		1	25	22.58	22.58	22.64	23.50
		1	49	22.46	22.49	22.58	23.50
		25	0	21.44	21.59	21.78	22.50
		25	13	21.60	21.79	21.92	22.50
		25	25	21.72	21.59	21.58	22.50
		50	0	21.62	21.62	21.63	22.50

	16QAM	1	0	21.89	21.73	21.58	22.50
		1	25	21.80	22.05	21.93	22.50
		1	49	21.87	21.81	21.91	22.50
		25	0	20.68	20.53	20.66	21.50
		25	13	20.54	20.40	20.90	21.50
		25	25	20.67	20.54	20.40	21.50
		50	0	20.54	20.78	20.67	21.50
	64QAM	1	0	20.57	20.84	20.76	21.50
		1	25	20.49	20.74	20.61	21.50
		1	49	20.71	20.70	20.72	21.50
		25	0	19.75	19.47	19.77	20.50
		25	13	19.73	19.72	19.69	20.50
		25	25	19.47	19.49	19.68	20.50
		50	0	19.39	19.67	19.49	20.50
	256QAM	1	0	17.95	18.13	17.65	18.50
		25	0	17.86	17.82	17.66	18.50
		50	0	17.34	17.62	17.28	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20825/2507.5	21100/2535	21375/2562.5	
15MHz	QPSK	1	0	22.33	22.56	22.40	23.50
		1	38	22.66	22.48	22.52	23.50
		1	74	22.42	22.83	22.64	23.50
		36	0	21.74	21.77	21.48	22.50
		36	18	21.74	21.67	21.72	22.50
		36	39	21.72	21.69	21.76	22.50
		75	0	21.58	21.48	21.57	22.50
	16QAM	1	0	21.75	22.03	21.82	22.50
		1	38	21.72	21.99	21.81	22.50
		1	74	21.85	21.89	22.17	22.50
		36	0	20.76	20.61	20.82	21.50
		36	18	20.60	20.66	20.74	21.50
		36	39	20.57	20.72	20.64	21.50
		75	0	20.58	20.52	20.79	21.50
	64QAM	1	0	20.71	20.72	20.78	21.50
		1	38	20.57	21.02	20.73	21.50
		1	74	20.55	20.90	20.66	21.50
		36	0	19.77	19.71	19.49	20.50
		36	18	19.59	19.56	19.63	20.50
		36	39	19.43	19.61	19.60	20.50
		75	0	19.39	19.73	19.57	20.50
	256QAM	1	0	17.77	18.07	17.73	18.50
		36	0	17.86	17.92	17.98	18.50
		75	0	17.58	17.84	17.32	18.50

Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20850/2510	21100/2535	21350/2560	
20MHz	QPSK	1	0	22.37	22.48	22.44	23.50
		1	50	22.50	22.56	22.54	23.50
		1	99	22.50	22.65	22.56	23.50
		50	0	21.58	21.65	21.60	22.50
		50	25	21.56	21.63	21.70	22.50
		50	50	21.56	21.63	21.64	22.50
		100	0	21.56	21.60	21.67	22.50
	16QAM	1	0	21.79	21.85	21.74	22.50
		1	50	21.80	21.89	21.83	22.50
		1	99	21.77	21.91	21.99	22.50
		50	0	20.60	20.63	20.64	21.50
		50	25	20.56	20.58	20.70	21.50
		50	50	20.55	20.62	20.58	21.50
		100	0	20.52	20.58	20.65	21.50
	64QAM	1	0	20.65	20.64	20.82	21.50
		1	50	20.61	20.92	20.77	21.50
		1	99	20.65	20.72	20.74	21.50
		50	0	19.61	19.63	19.61	20.50
		50	25	19.55	19.60	19.67	20.50
		50	50	19.55	19.65	19.60	20.50
		100	0	19.51	19.61	19.65	20.50
	256QAM	1	0	17.79	17.91	17.61	18.50
		50	0	17.76	17.74	17.84	18.50
		100	0	17.44	17.66	17.44	18.50
LTE Band 12							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23017/699.7	23095/707.5	23173/715.3	
1.4MHz	QPSK	1	0	23.18	23.14	23.18	24.00
		1	2	23.12	23.12	23.32	24.00
		1	5	23.07	23.17	22.95	24.00
		3	0	22.83	23.01	22.75	24.00
		3	2	23.16	23.00	22.72	24.00
		3	3	23.25	23.07	22.93	24.00
		6	0	22.09	22.17	22.43	23.00
	16QAM	1	0	22.44	22.44	22.50	23.00
		1	2	22.46	22.30	22.26	23.00
		1	5	22.74	22.32	22.58	23.00
		3	0	21.73	21.87	21.57	23.00
		3	2	21.89	21.75	22.23	23.00
		3	3	22.06	21.94	22.26	23.00

		6	0	21.32	21.38	21.02	22.00
		1	0	21.33	21.47	21.21	22.00
		1	2	21.37	21.47	21.27	22.00
		1	5	21.37	21.59	21.33	22.00
		3	0	20.86	21.12	20.70	22.00
		3	2	21.05	20.95	21.09	22.00
		3	3	20.82	20.78	21.08	22.00
		6	0	20.39	20.19	20.33	21.00
		1	0	18.17	17.53	17.75	19.00
		3	0	17.74	17.54	17.86	19.00
		6	0	17.74	17.76	17.52	19.00
		64QAM	1	0	18.17	17.53	17.75
			3	0	17.74	17.54	17.86
			6	0	17.74	17.76	17.52
		256QAM	1	0	18.17	17.53	17.75
			3	0	17.74	17.54	17.86
			6	0	17.74	17.76	17.52
		64QAM	1	0	18.17	17.53	17.75
			3	0	17.74	17.54	17.86
			6	0	17.74	17.76	17.52
		256QAM	1	0	18.17	17.53	17.75
			3	0	17.74	17.54	17.86
			6	0	17.74	17.76	17.52
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23025/700.5	23095/707.5	23165/714.5	
3MHz	QPSK	1	0	23.06	22.88	22.90	24.00
		1	7	23.34	23.36	23.06	24.00
		1	14	23.05	23.23	22.79	24.00
		8	0	22.17	22.25	21.73	23.00
		8	4	21.98	22.02	22.02	23.00
		8	7	22.27	22.17	22.33	23.00
		15	0	22.21	22.01	22.13	23.00
		1	0	22.58	22.30	22.46	23.00
		1	7	22.48	22.60	22.46	23.00
		1	14	22.54	22.24	22.44	23.00
	16QAM	8	0	21.15	21.07	20.85	22.00
		8	4	21.01	20.99	21.37	22.00
		8	7	21.28	21.06	21.42	22.00
		15	0	21.50	21.14	21.26	22.00
		1	0	21.53	21.27	21.15	22.00
		1	7	21.43	21.45	21.29	22.00
		1	14	21.21	21.37	21.15	22.00
		8	0	20.08	20.26	19.98	21.00
		8	4	20.07	20.21	20.45	21.00
		8	7	20.02	19.92	20.36	21.00
		15	0	20.27	20.07	20.33	21.00
	64QAM	1	0	21.53	21.27	21.15	22.00
		1	7	21.43	21.45	21.29	22.00
		1	14	21.21	21.37	21.15	22.00
		8	0	20.08	20.26	19.98	21.00
		8	4	20.07	20.21	20.45	21.00
		8	7	20.02	19.92	20.36	21.00
		15	0	20.27	20.07	20.33	21.00
		1	0	18.19	17.69	17.75	19.00
		8	0	17.60	17.64	17.74	19.00
		15	0	18.02	17.78	17.70	19.00
	256QAM	1	0	18.19	17.69	17.75	19.00
		8	0	17.60	17.64	17.74	19.00
		15	0	18.02	17.78	17.70	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23035/701.5	23095/707.5	23155/713.5	
5MHz	QPSK	1	0	22.90	22.86	22.90	24.00
		1	13	23.26	23.34	23.24	24.00
		1	24	23.11	23.09	23.09	24.00
		12	0	22.23	22.19	21.81	23.00

		12	6	21.96	22.26	22.14	23.00
		12	13	22.35	22.17	22.15	23.00
		25	0	22.29	21.95	22.15	23.00
		1	0	22.46	22.50	22.32	23.00
		1	13	22.50	22.34	22.46	23.00
		1	24	22.50	22.20	22.68	23.00
		12	0	21.21	21.05	20.97	22.00
		12	6	21.19	20.93	21.35	22.00
		12	13	21.32	21.14	21.18	22.00
		25	0	21.40	21.38	21.08	22.00
	16QAM	1	0	21.23	21.49	21.39	22.00
		1	13	21.27	21.15	21.27	22.00
		1	24	21.03	21.47	21.33	22.00
		12	0	20.06	20.22	19.92	21.00
		12	6	20.23	20.01	20.29	21.00
		12	13	20.06	20.00	20.32	21.00
		25	0	20.35	20.17	20.17	21.00
		25	0	20.35	20.17	20.17	21.00
	64QAM	1	0	18.03	17.73	17.69	19.00
		12	0	17.78	17.54	17.84	19.00
		25	0	17.82	17.72	17.74	19.00
		25	0	17.82	17.72	17.74	19.00
		25	0	17.82	17.72	17.74	19.00
		25	0	17.82	17.72	17.74	19.00
		25	0	17.82	17.72	17.74	19.00
		25	0	17.82	17.72	17.74	19.00
	256QAM	1	0	18.03	17.73	17.69	19.00
		12	0	17.78	17.54	17.84	19.00
		25	0	17.82	17.72	17.74	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23060/704	23095/707.5	23130/711	
10MHz	QPSK	1	0	22.96	22.94	23.00	24.00
		1	25	23.20	23.22	23.12	24.00
		1	49	23.09	23.09	22.93	24.00
		25	0	22.05	22.03	21.91	23.00
		25	13	22.08	22.20	22.00	23.00
		25	25	22.23	22.13	22.19	23.00
		50	0	22.25	22.05	22.23	23.00
	16QAM	1	0	22.54	22.46	22.32	23.00
		1	25	22.50	22.38	22.40	23.00
		1	49	22.58	22.30	22.58	23.00
		25	0	21.05	21.01	20.89	22.00
		25	13	21.01	21.01	21.17	22.00
		25	25	21.16	21.16	21.28	22.00
		50	0	21.28	21.20	21.16	22.00
	64QAM	1	0	21.31	21.33	21.27	22.00
		1	25	21.29	21.25	21.31	22.00
		1	49	21.15	21.37	21.21	22.00
		25	0	20.06	20.14	19.96	21.00
		25	13	20.23	20.13	20.29	21.00
		25	25	20.04	20.10	20.26	21.00
		50	0	20.29	20.09	20.21	21.00

	256QAM	1	0	17.97	17.67	17.73	19.00
		25	0	17.66	17.50	17.78	19.00
		50	0	17.86	17.72	17.56	19.00
LTE B14							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23305/790.5	23330/793	23355/795.5	
5MHz	QPSK	1	0	22.72	22.62	22.60	23.50
		1	13	22.69	22.69	22.73	23.50
		1	24	22.83	22.81	22.57	23.50
		12	0	21.63	21.79	21.77	22.50
		12	6	21.63	21.71	21.83	22.50
		12	13	21.82	21.86	21.90	22.50
		25	0	21.69	21.81	21.73	22.50
	16QAM	1	0	21.95	21.97	22.09	22.50
		1	13	21.92	21.90	21.98	22.50
		1	24	22.14	22.16	22.16	22.50
		12	0	20.74	20.64	20.76	21.50
		12	6	20.67	20.89	20.85	21.50
		12	13	20.85	20.81	20.81	21.50
		25	0	20.58	20.70	20.82	21.50
	64QAM	1	0	20.91	20.93	21.07	21.50
		1	13	20.95	21.07	20.79	21.50
		1	24	20.68	20.88	20.90	21.50
		12	0	19.75	19.75	19.87	20.50
		12	6	19.80	19.76	19.68	20.50
		12	13	19.67	19.85	19.83	20.50
		25	0	19.65	19.87	19.67	20.50
	256QAM	1	0	17.60	17.48	17.58	18.50
		12	0	17.88	17.82	17.66	18.50
		25	0	17.65	17.61	17.73	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	23330/793	/	
10MHz	QPSK	1	0	/	22.68	/	23.50
		1	25	/	22.75	/	23.50
		1	49	/	22.67	/	23.50
		25	0	/	21.69	/	22.50
		25	13	/	21.73	/	22.50
		25	25	/	21.78	/	22.50
		50	0	/	21.71	/	22.50
	16QAM	1	0	/	21.97	/	22.50
		1	25	/	21.94	/	22.50
		1	49	/	21.98	/	22.50

		25	0	/	20.68	/	21.50
		25	13	/	20.75	/	21.50
		25	25	/	20.77	/	21.50
		50	0	/	20.70	/	21.50
	64QAM	1	0	/	20.89	/	21.50
		1	25	/	20.89	/	21.50
		1	49	/	20.78	/	21.50
		25	0	/	19.75	/	20.50
		25	13	/	19.76	/	20.50
		25	25	/	19.73	/	20.50
		50	0	/	19.73	/	20.50
	256QAM	1	0	/	17.52	/	18.50
		25	0	/	17.76	/	18.50
		50	0	/	17.57	/	18.50

LTE B17

Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23755/706.5	23790/710	23825/713.5	
5MHz	QPSK	1	0	22.92	23.20	23.16	24.00
		1	13	23.12	23.13	23.09	24.00
		1	24	23.04	23.20	22.96	24.00
		12	0	22.13	21.92	21.89	23.00
		12	6	22.05	22.04	22.04	23.00
		12	13	22.19	21.98	21.97	23.00
		25	0	22.29	21.89	22.02	23.00
	16QAM	1	0	22.37	22.31	22.20	23.00
		1	13	22.63	22.49	22.43	23.00
		1	24	22.58	22.37	22.49	23.00
		12	0	21.18	20.93	21.08	22.00
		12	6	21.25	21.02	21.12	22.00
		12	13	21.09	21.00	21.22	22.00
		25	0	21.20	21.05	21.02	22.00
	64QAM	1	0	21.31	21.36	21.41	22.00
		1	13	21.47	21.19	21.33	22.00
		1	24	21.22	21.43	21.02	22.00
		12	0	20.21	20.14	20.05	21.00
		12	6	20.10	19.99	19.92	21.00
		12	13	20.16	20.06	20.11	21.00
		25	0	20.10	20.01	20.16	21.00
	256QAM	1	0	17.72	17.56	17.46	19.00
		12	0	17.66	17.78	17.54	19.00
		25	0	17.64	17.42	17.88	19.00
Bandwidth	Modulation	RB	Offset	Channel/Frequency(MHz)			Tune-up

		Allocation		23780/709	23790/710	23800/711	
10MHz	QPSK	1	0	23.02	23.06	23.06	24.00
		1	25	23.12	23.11	23.11	24.00
		1	49	23.04	23.04	23.02	24.00
		25	0	22.03	22.02	21.99	23.00
		25	13	22.13	22.04	22.02	23.00
		25	25	22.09	22.08	22.09	23.00
		50	0	22.13	22.01	21.98	23.00
	16QAM	1	0	22.39	22.29	22.22	23.00
		1	25	22.49	22.35	22.43	23.00
		1	49	22.40	22.37	22.37	23.00
		25	0	21.06	21.03	21.02	22.00
		25	13	21.13	21.06	21.06	22.00
		25	25	21.11	21.12	21.08	22.00
		50	0	21.10	21.01	21.02	22.00
	64QAM	1	0	21.37	21.34	21.27	22.00
		1	25	21.43	21.27	21.33	22.00
		1	49	21.24	21.25	21.12	22.00
		25	0	20.05	20.02	20.05	21.00
		25	13	20.18	20.05	20.04	21.00
		25	25	20.10	20.10	20.07	21.00
		50	0	20.14	20.05	20.02	21.00
	256QAM	1	0	17.62	17.66	17.58	19.00
		25	0	17.60	17.72	17.60	19.00
		50	0	17.72	17.52	17.72	19.00
LTE B25							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				26047/1850.7	26365/1882.5	26683/1914.3	
1.4MHz	QPSK	1	0	22.57	22.51	22.25	23.50
		1	2	22.54	22.75	22.46	23.50
		1	5	22.53	22.54	22.21	23.50
		3	0	22.12	22.34	22.51	23.50
		3	2	22.43	22.54	22.17	23.50
		3	3	22.33	22.52	22.17	23.50
		6	0	21.43	21.43	21.60	22.50
	16QAM	1	0	21.76	21.64	21.76	22.50
		1	2	21.51	21.86	21.80	22.50
		1	5	21.66	21.93	21.65	22.50
		3	0	21.27	21.39	21.18	22.50
		3	2	21.35	21.48	21.37	22.50
		3	3	21.38	21.22	21.33	22.50
		6	0	20.52	20.49	20.49	21.50

	64QAM	1	0	20.41	20.91	20.46	21.50
		1	2	20.65	20.48	20.55	21.50
		1	5	20.53	20.48	20.45	21.50
		3	0	20.11	20.58	20.56	21.50
		3	2	20.51	20.43	20.54	21.50
		3	3	20.21	20.48	20.08	21.50
		6	0	19.36	19.57	19.33	20.50
	256QAM	1	0	17.05	17.70	17.62	18.50
		3	0	17.33	17.28	17.50	18.50
		6	0	17.21	17.70	17.52	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26055/1851.5	26365/1882.5	26675/1913.5	
3MHz	QPSK	1	0	22.29	22.61	22.33	23.50
		1	7	22.42	22.59	22.38	23.50
		1	14	22.25	22.48	22.31	23.50
		8	0	21.34	21.66	21.59	22.50
		8	4	21.57	21.52	21.37	22.50
		8	7	21.57	21.56	21.43	22.50
		15	0	21.55	21.69	21.34	22.50
	16QAM	1	0	21.82	21.78	21.72	22.50
		1	7	21.79	21.94	21.58	22.50
		1	14	21.68	21.75	21.37	22.50
		8	0	20.33	20.65	20.62	21.50
		8	4	20.51	20.66	20.41	21.50
		8	7	20.52	20.48	20.51	21.50
		15	0	20.46	20.59	20.51	21.50
	64QAM	1	0	20.35	20.85	20.48	21.50
		1	7	20.37	20.54	20.31	21.50
		1	14	20.61	20.36	20.37	21.50
		8	0	19.51	19.46	19.60	20.50
		8	4	19.51	19.55	19.60	20.50
		8	7	19.35	19.64	19.38	20.50
		15	0	19.36	19.51	19.47	20.50
	256QAM	1	0	17.29	17.96	17.74	18.50
		8	0	17.27	17.56	17.48	18.50
		15	0	17.25	17.50	17.96	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26065/1852.5	26365/1882.5	26665/1912.5	
5MHz	QPSK	1	0	22.41	22.11	22.49	23.50
		1	13	22.34	22.53	22.22	23.50
		1	24	22.23	22.48	22.13	23.50
		12	0	21.36	21.64	21.35	22.50
		12	6	21.45	21.48	21.47	22.50

		12	13	21.75	21.44	21.07	22.50
		25	0	21.61	21.21	21.26	22.50
	16QAM	1	0	21.88	22.00	21.68	22.50
		1	13	21.79	21.82	21.72	22.50
		1	24	21.78	21.59	21.49	22.50
		12	0	20.37	20.55	20.56	21.50
		12	6	20.53	20.36	20.43	21.50
		12	13	20.54	20.60	20.39	21.50
		25	0	20.44	20.73	20.47	21.50
		1	0	20.49	20.89	20.40	21.50
	64QAM	1	13	20.35	20.32	20.29	21.50
		1	24	20.33	20.48	20.29	21.50
		12	0	19.21	19.34	19.56	20.50
		12	6	19.33	19.49	19.38	20.50
		12	13	19.31	19.56	19.34	20.50
		25	0	19.60	19.51	19.49	20.50
		1	0	17.31	17.96	17.64	18.50
	256QAM	12	0	17.21	17.58	17.74	18.50
		25	0	17.55	17.76	17.86	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26090/1855	26365/1882.5	26640/1910	
10MHz	QPSK	1	0	22.35	22.61	22.41	23.50
		1	25	22.54	22.53	22.24	23.50
		1	49	22.23	22.44	22.09	23.50
		25	0	21.38	21.54	21.59	22.50
		25	13	21.41	21.72	21.31	22.50
		25	25	21.65	21.66	21.43	22.50
		50	0	21.35	21.65	21.44	22.50
	16QAM	1	0	21.54	21.72	21.64	22.50
		1	25	21.73	21.92	21.84	22.50
		1	49	21.76	21.75	21.27	22.50
		25	0	20.41	20.39	20.44	21.50
		25	13	20.73	20.60	20.53	21.50
		25	25	20.66	20.50	20.21	21.50
		50	0	20.66	20.61	20.47	21.50
	64QAM	1	0	20.59	20.85	20.62	21.50
		1	25	20.29	20.58	20.59	21.50
		1	49	20.51	20.26	20.27	21.50
		25	0	19.39	19.76	19.66	20.50
		25	13	19.57	19.41	19.48	20.50
		25	25	19.29	19.40	19.42	20.50
		50	0	19.36	19.45	19.53	20.50
	256QAM	1	0	17.33	17.96	17.82	18.50

		25	0	17.51	17.48	17.54	18.50
		50	0	17.33	17.56	17.70	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26115/1857.5	26365/1882.5	26615/1907.5	
15MHz	QPSK	1	0	22.47	22.33	22.57	23.50
		1	38	22.50	22.65	22.32	23.50
		1	74	22.17	22.42	22.31	23.50
		36	0	21.48	21.70	21.63	22.50
		36	18	21.61	21.44	21.43	22.50
		36	39	21.49	21.60	21.33	22.50
		75	0	21.43	21.71	21.52	22.50
	16QAM	1	0	21.66	21.78	21.80	22.50
		1	38	21.61	21.98	21.60	22.50
		1	74	21.68	21.65	21.43	22.50
		36	0	20.53	20.47	20.52	21.50
		36	18	20.55	20.58	20.53	21.50
		36	39	20.46	20.66	20.29	21.50
		75	0	20.36	20.45	20.63	21.50
	64QAM	1	0	20.59	20.61	20.44	21.50
		1	38	20.53	20.58	20.41	21.50
		1	74	20.57	20.48	20.27	21.50
		36	0	19.25	19.62	19.66	20.50
		36	18	19.47	19.55	19.46	20.50
		36	39	19.35	19.68	19.46	20.50
		75	0	19.36	19.53	19.33	20.50
	256QAM	1	0	17.21	17.72	17.72	18.50
		36	0	17.23	17.66	17.70	18.50
		75	0	17.51	17.62	17.90	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26140/1860	26365/1882.5	26590/1905	
20MHz	QPSK	1	0	22.37	22.45	22.39	23.50
		1	50	22.38	22.53	22.38	23.50
		1	99	22.29	22.38	22.27	23.50
		50	0	21.34	21.54	21.45	22.50
		50	25	21.47	21.52	21.43	22.50
		50	50	21.45	21.46	21.29	22.50
		100	0	21.47	21.53	21.42	22.50
	16QAM	1	0	21.72	21.78	21.72	22.50
		1	50	21.67	21.82	21.64	22.50
		1	99	21.68	21.71	21.43	22.50
		50	0	20.35	20.55	20.46	21.50
		50	25	20.51	20.54	20.47	21.50
		50	50	20.44	20.50	20.35	21.50

		100	0	20.44	20.51	20.47	21.50
	64QAM	1	0	20.43	20.71	20.52	21.50
		1	50	20.43	20.60	20.37	21.50
		1	99	20.55	20.44	20.25	21.50
		50	0	19.37	19.54	19.48	20.50
		50	25	19.51	19.53	19.50	20.50
		50	50	19.45	19.50	19.32	20.50
		100	0	19.44	19.55	19.45	20.50
	256QAM	1	0	17.25	17.80	17.78	18.50
		50	0	17.33	17.50	17.52	18.50
		100	0	17.43	17.60	17.78	18.50
LTE B38							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				37775/2572.5	38000/2595	38225/2617.5	
5MHz	QPSK	1	0	22.15	21.91	21.98	23.50
		1	13	22.28	22.13	22.20	23.50
		1	24	22.23	22.14	22.37	23.50
		12	0	21.41	21.09	20.99	22.50
		12	6	21.53	21.16	21.30	22.50
		12	13	21.20	21.34	21.34	22.50
		25	0	21.10	21.35	21.12	22.50
	16QAM	1	0	20.83	21.06	21.29	22.50
		1	13	21.38	21.37	21.05	22.50
		1	24	21.43	21.25	21.20	22.50
		12	0	20.41	20.21	20.36	21.50
		12	6	20.41	20.62	20.45	21.50
		12	13	20.26	19.92	20.25	21.50
		25	0	20.23	20.33	20.14	21.50
	64QAM	1	0	20.07	19.92	20.31	21.50
		1	13	20.35	20.18	19.88	21.50
		1	24	19.90	20.43	20.09	21.50
		12	0	19.20	19.27	19.46	20.50
		12	6	19.43	19.18	19.33	20.50
		12	13	19.50	19.27	18.87	20.50
		25	0	19.40	19.34	18.90	20.50
	256QAM	1	0	17.50	17.76	17.56	18.50
		12	0	17.81	17.69	17.65	18.50
		25	0	17.48	17.72	17.72	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				37800/2575	38000/2595	38200/2615	
10MHz	QPSK	1	0	22.27	22.15	22.18	23.50
		1	25	22.40	22.07	22.36	23.50

		1	49	22.19	22.18	22.03	23.50
		25	0	21.31	21.29	21.35	22.50
		25	13	21.23	21.38	21.08	22.50
		25	25	21.38	21.44	21.38	22.50
		50	0	21.42	21.17	21.36	22.50
	16QAM	1	0	20.91	21.06	21.17	22.50
		1	25	21.54	21.13	21.35	22.50
		1	49	21.31	21.15	21.24	22.50
		25	0	20.49	20.51	20.38	21.50
		25	13	20.41	20.30	20.35	21.50
		25	25	20.26	20.42	20.27	21.50
		50	0	20.43	20.13	20.48	21.50
	64QAM	1	0	20.17	20.12	19.97	21.50
		1	25	20.47	20.10	19.96	21.50
		1	49	20.12	20.35	20.27	21.50
		25	0	19.34	19.19	19.30	20.50
		25	13	19.13	19.18	19.41	20.50
		25	25	19.24	19.43	19.17	20.50
		50	0	19.18	19.48	19.26	20.50
	256QAM	1	0	17.70	17.84	17.76	18.50
		25	0	17.91	17.89	17.71	18.50
		50	0	17.66	17.72	17.92	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				37825/2577.5	38000/2595	38175/2612.5	
15MHz	QPSK	1	0	22.17	22.09	22.28	23.50
		1	38	22.38	22.31	22.32	23.50
		1	74	22.35	22.22	22.05	23.50
		36	0	21.25	21.41	21.25	22.50
		36	18	21.31	21.28	21.38	22.50
		36	39	21.40	21.26	21.32	22.50
		75	0	21.34	21.41	21.26	22.50
	16QAM	1	0	20.95	21.28	21.39	22.50
		1	38	21.30	21.23	21.35	22.50
		1	74	21.45	21.19	21.26	22.50
		36	0	20.33	20.37	20.40	21.50
		36	18	20.21	20.42	20.17	21.50
		36	39	20.34	20.22	20.13	21.50
		75	0	20.33	20.35	20.26	21.50
	64QAM	1	0	20.13	20.24	20.13	21.50
		1	38	20.35	20.28	20.22	21.50
		1	74	20.18	20.35	20.03	21.50
		36	0	19.46	19.17	19.28	20.50
		36	18	19.33	19.24	19.23	20.50

		36	39	19.42	19.33	19.15	20.50
		75	0	19.28	19.32	19.34	20.50
	256QAM	1	0	17.72	17.98	17.82	18.50
		36	0	17.85	17.75	17.69	18.50
		75	0	17.46	17.92	17.78	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				37850/2580	38000/2595	38150/2610	
20MHz	QPSK	1	0	22.23	22.19	22.12	23.50
		1	50	22.22	22.25	22.18	23.50
		1	99	22.23	22.20	22.13	23.50
		50	0	21.29	21.27	21.19	22.50
		50	25	21.27	21.34	21.24	22.50
		50	50	21.28	21.22	21.18	22.50
		100	0	21.22	21.27	21.26	22.50
	16QAM	1	0	21.07	21.22	21.31	22.50
		1	50	21.36	21.25	21.23	22.50
		1	99	21.31	21.23	21.34	22.50
		50	0	20.29	20.29	20.22	21.50
		50	25	20.29	20.32	20.23	21.50
		50	50	20.30	20.26	20.21	21.50
		100	0	20.27	20.29	20.26	21.50
	64QAM	1	0	20.17	20.14	20.13	21.50
		1	50	20.29	20.22	20.14	21.50
		1	99	20.14	20.21	20.09	21.50
		50	0	19.30	19.27	19.26	20.50
		50	25	19.29	19.30	19.23	20.50
		50	50	19.30	19.27	19.21	20.50
		100	0	19.30	19.32	19.22	20.50
	256QAM	1	0	17.68	17.90	17.72	18.50
		50	0	17.81	17.75	17.71	18.50
		100	0	17.58	17.80	17.80	18.50

LTE B41

LTE B41									
Full Power-Main Ant				Maximum Output Power (dBm)					Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					
				39675/2498.5	40148/2545.8	40620/2593	41093/2640.3	41565/2687.5	
5MHz	QPSK	1	0	23.07	22.34	22.27	22.17	22.21	23.50
		1	13	22.65	22.66	22.40	22.28	22.08	23.50
		1	24	22.66	22.31	22.36	22.28	22.05	23.50
		12	0	21.84	21.52	21.16	21.28	21.17	22.50
		12	6	21.95	21.56	21.54	21.14	21.23	22.50
		12	13	22.22	21.56	21.42	21.25	21.14	22.50
		25	0	22.06	21.61	21.33	21.29	21.22	22.50

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	16QAM	1	0	22.00	21.60	21.09	21.21	21.37	22.50
		1	13	22.07	21.75	21.54	21.17	20.87	22.50
		1	24	22.15	21.35	21.19	21.44	21.23	22.50
		12	0	20.80	20.47	20.40	20.15	20.21	21.50
		12	6	20.83	20.61	20.73	20.19	20.34	21.50
		12	13	20.91	20.74	20.26	20.35	20.31	21.50
		25	0	21.08	20.78	20.47	20.37	20.29	21.50
	64QAM	1	0	21.00	20.56	20.22	19.98	20.29	21.50
		1	13	20.59	20.19	20.22	20.21	20.24	21.50
		1	24	20.64	20.61	20.26	20.12	20.30	21.50
		12	0	19.80	19.82	19.24	19.42	19.36	20.50
		12	6	20.06	19.87	19.36	19.12	19.26	20.50
		12	13	19.87	19.65	19.36	19.26	19.28	20.50
		25	0	19.96	19.53	19.46	19.18	19.28	20.50
	256QAM	1	0	17.97	17.93	17.39	17.27	17.53	18.50
		12	0	17.61	17.95	17.47	17.67	17.43	18.50
		25	0	17.40	17.46	17.42	16.94	17.48	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					Tune-up
				39700/2501	40160/2547	40620/2593	41080/2639	41540/2685	
10MHz	QPSK	1	0	22.99	22.64	22.51	22.07	22.21	23.50
		1	25	22.69	22.44	22.22	22.40	22.36	23.50
		1	49	22.88	22.49	22.56	22.06	21.97	23.50
		25	0	21.82	21.66	21.52	21.30	21.33	22.50
		25	13	21.79	21.78	21.44	21.10	21.47	22.50
		25	25	22.00	21.48	21.58	21.13	20.98	22.50
		50	0	22.10	21.65	21.49	21.41	21.12	22.50
	16QAM	1	0	21.82	21.54	21.39	21.37	21.19	22.50
		1	25	21.85	21.61	21.30	21.31	21.11	22.50
		1	49	22.05	21.55	21.59	21.18	21.01	22.50
		25	0	20.92	20.69	20.40	20.41	20.31	21.50
		25	13	20.73	20.55	20.37	20.29	20.22	21.50
		25	25	20.91	20.64	20.26	20.09	20.11	21.50
		50	0	20.94	20.60	20.39	20.03	20.09	21.50
	64QAM	1	0	20.84	20.50	20.14	20.16	20.39	21.50
		1	25	20.53	20.53	20.22	20.33	20.16	21.50
		1	49	20.60	20.43	20.54	20.16	20.02	21.50
		25	0	20.00	19.68	19.42	19.36	19.32	20.50
		25	13	20.10	19.61	19.56	19.18	19.38	20.50
		25	25	20.07	19.69	19.30	19.26	18.98	20.50
		50	0	19.86	19.37	19.32	19.16	19.20	20.50
	256QAM	1	0	17.95	17.65	17.45	17.37	17.33	18.50
		25	0	17.69	17.93	17.45	17.65	17.45	18.50
		50	0	17.46	17.70	17.34	17.12	17.46	18.50

Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					Tune-up
				39725/2503.5	40173/2548.3	40620/2593	41068/2637.8	41515/2682.5	
15MHz	QPSK	1	0	23.03	22.52	22.27	22.17	22.05	23.50
		1	38	22.89	22.56	22.36	22.22	22.08	23.50
		1	74	22.66	22.39	22.40	22.24	22.11	23.50
		36	0	21.94	21.50	21.46	21.18	21.33	22.50
		36	18	21.89	21.46	21.38	21.20	21.15	22.50
		36	39	21.88	21.70	21.54	21.19	21.10	22.50
		75	0	22.02	21.57	21.43	21.33	21.18	22.50
	16QAM	1	0	22.04	21.82	21.25	21.17	21.19	22.50
		1	38	22.13	21.63	21.58	21.35	21.09	22.50
		1	74	21.77	21.67	21.35	21.24	21.33	22.50
		36	0	20.90	20.69	20.24	20.11	20.27	21.50
		36	18	20.97	20.63	20.43	20.39	20.14	21.50
		36	39	20.77	20.62	20.54	20.29	20.11	21.50
		75	0	20.78	20.74	20.51	20.19	20.19	21.50
	64QAM	1	0	21.06	20.54	20.30	20.10	20.23	21.50
		1	38	20.75	20.53	20.16	20.29	20.06	21.50
		1	74	20.72	20.39	20.22	20.18	20.16	21.50
		36	0	19.90	19.70	19.38	19.42	19.16	20.50
		36	18	19.88	19.49	19.44	19.20	19.24	20.50
		36	39	19.81	19.63	19.36	19.38	19.28	20.50
		75	0	20.00	19.69	19.38	19.16	19.12	20.50
	256QAM	1	0	17.79	17.67	17.45	17.47	17.45	18.50
		36	0	17.47	17.93	17.33	17.35	17.31	18.50
		75	0	17.52	17.58	17.32	17.22	17.44	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					Tune-up
				39750/2506	40185/2549.5	40620/2593	41055/2636.5	41490/2680	
20MHz	QPSK	1	0	22.91	22.58	22.31	22.19	22.17	23.50
		1	50	22.85	22.54	22.30	22.18	22.14	23.50
		1	99	22.74	22.43	22.40	22.22	22.15	23.50
		50	0	22.00	21.62	21.36	21.24	21.21	22.50
		50	25	21.97	21.58	21.38	21.22	21.25	22.50
		50	50	21.92	21.60	21.38	21.23	21.14	22.50
		100	0	21.90	21.59	21.39	21.19	21.24	22.50
	16QAM	1	0	21.96	21.64	21.27	21.27	21.25	22.50
		1	50	22.01	21.63	21.42	21.27	20.91	22.50
		1	99	21.85	21.57	21.39	21.30	21.19	22.50
		50	0	20.98	20.63	20.32	20.23	20.23	21.50
		50	25	20.91	20.59	20.39	20.23	20.26	21.50
		50	50	20.87	20.56	20.38	20.25	20.17	21.50
		100	0	20.88	20.58	20.41	20.21	20.23	21.50
	64QAM	1	0	20.98	20.44	20.18	20.04	20.17	21.50

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		1	50	20.67	20.47	20.26	20.21	20.16	21.50
		1	99	20.76	20.47	20.32	20.18	20.18	21.50
		50	0	19.98	19.60	19.34	19.28	19.20	20.50
		50	25	19.92	19.59	19.42	19.20	19.26	20.50
		50	50	19.91	19.53	19.30	19.26	19.14	20.50
		100	0	19.94	19.55	19.38	19.20	19.22	20.50
	256QAM	1	0	17.85	17.73	17.39	17.41	17.39	18.50
		50	0	17.57	17.77	17.45	17.47	17.41	18.50
		100	0	17.58	17.64	17.38	17.12	17.40	18.50

LTE B48							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				56265/3652.5	55990/3625	56715/3697.5	
5MHz	QPSK	1	0	22.11	21.97	21.71	23.00
		1	13	22.04	22.11	21.71	23.00
		1	24	22.08	21.87	21.72	23.00
		12	0	21.02	21.07	20.69	22.00
		12	6	20.99	21.21	20.79	22.00
		12	13	21.14	20.99	20.84	22.00
		25	0	21.13	21.20	20.70	22.00
	16QAM	1	0	21.19	21.11	20.97	22.00
		1	13	21.18	21.29	20.85	22.00
		1	24	21.09	21.26	20.98	22.00
		12	0	19.97	19.98	19.79	21.00
		12	6	20.09	20.13	19.77	21.00
		12	13	20.12	20.04	19.94	21.00
		25	0	20.19	20.24	19.87	21.00
	64QAM	1	0	20.32	20.24	19.92	21.00
		1	13	20.34	20.44	20.17	21.00
		1	24	20.26	20.24	20.02	21.00
		12	0	18.96	19.10	18.60	20.00
		12	6	18.99	19.23	18.69	20.00
		12	13	19.13	18.99	18.85	20.00
		25	0	19.15	19.09	18.70	20.00
	256QAM	1	0	17.33	17.21	16.85	18.00
		12	0	17.37	17.54	16.49	18.00
		25	0	17.07	17.14	16.78	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				56290/3655	55990/3625	56690/3695	
10MHz	QPSK	1	0	22.05	22.03	21.83	23.00
		1	25	21.98	21.93	21.59	23.00
		1	49	21.96	21.97	21.64	23.00

		25	0	21.06	20.91	20.77	22.00
		25	13	21.15	21.13	20.63	22.00
		25	25	20.90	20.91	20.70	22.00
		50	0	21.17	21.28	20.96	22.00
	16QAM	1	0	21.37	21.01	21.11	22.00
		1	25	21.06	21.29	20.97	22.00
		1	49	21.23	21.30	20.94	22.00
		25	0	19.91	19.98	19.87	21.00
		25	13	20.13	20.15	19.73	21.00
		25	25	19.90	20.22	19.66	21.00
		50	0	19.93	20.14	19.79	21.00
	64QAM	1	0	20.50	20.28	20.02	21.00
		1	25	20.14	20.14	19.91	21.00
		1	49	20.28	20.20	19.84	21.00
		25	0	19.14	18.86	18.88	20.00
		25	13	19.21	19.21	18.87	20.00
		25	25	19.07	18.89	18.99	20.00
		50	0	18.99	19.23	18.62	20.00
	256QAM	1	0	17.33	17.23	16.91	18.00
		25	0	17.09	17.38	16.81	18.00
		50	0	17.23	17.10	16.94	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				55315/3557.5	55990/3625	56665/3692.5	
15MHz	QPSK	1	0	21.97	22.17	21.63	23.00
		1	38	21.92	22.09	21.89	23.00
		1	74	22.04	22.11	21.56	23.00
		36	0	20.86	20.95	20.57	22.00
		36	18	21.01	21.15	20.95	22.00
		36	39	21.04	21.01	20.86	22.00
		75	0	21.09	21.12	20.94	22.00
	16QAM	1	0	21.33	21.17	21.09	22.00
		1	38	21.26	21.21	20.85	22.00
		1	74	21.09	21.12	20.90	22.00
		36	0	20.09	19.96	19.79	21.00
		36	18	20.05	20.01	19.73	21.00
		36	39	20.06	20.10	19.82	21.00
		75	0	19.95	20.24	19.73	21.00
	64QAM	1	0	20.48	20.40	19.88	21.00
		1	38	20.30	20.34	20.17	21.00
		1	74	20.00	20.32	19.82	21.00
		36	0	19.02	19.14	18.66	20.00
		36	18	19.01	19.25	18.79	20.00
		36	39	19.15	19.23	18.85	20.00

		75	0	19.19	19.09	18.70	20.00
	256QAM	1	0	17.33	17.19	16.87	18.00
		36	0	17.29	17.30	16.85	18.00
		75	0	17.19	17.08	16.88	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				55340/3560	55990/3625	56640/3690	
20MHz	QPSK	1	0	22.01	22.03	21.69	23.00
		1	50	22.00	22.03	21.71	23.00
		1	99	21.94	21.95	21.64	23.00
		50	0	20.98	21.01	20.69	22.00
		50	25	21.05	21.09	20.77	22.00
		50	50	21.02	21.09	20.80	22.00
		100	0	21.09	21.10	20.78	22.00
	16QAM	1	0	21.23	21.17	20.95	22.00
		1	50	21.18	21.23	20.89	22.00
		1	99	21.07	21.18	20.86	22.00
		50	0	20.03	20.02	19.71	21.00
		50	25	20.05	20.11	19.79	21.00
		50	50	20.04	20.10	19.78	21.00
		100	0	20.07	20.10	19.79	21.00
	64QAM	1	0	20.30	20.22	19.98	21.00
		1	50	20.18	20.32	20.03	21.00
		1	99	20.10	20.14	19.92	21.00
		50	0	18.98	19.02	18.70	20.00
		50	25	19.09	19.11	18.77	20.00
		50	50	19.09	19.07	18.79	20.00
		100	0	19.05	19.11	18.78	20.00
	256QAM	1	0	17.23	17.11	16.89	18.00
		50	0	17.21	17.30	16.77	18.00
		100	0	17.11	17.14	16.82	18.00
LTE B66							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				131979/1710.7	132322/1745	132665/1779.3	
1.4MHz	QPSK	1	0	22.32	22.60	22.06	23.00
		1	2	22.20	22.10	21.98	23.00
		1	5	22.27	21.97	22.15	23.00
		3	0	22.11	22.17	22.27	23.00
		3	2	22.43	22.41	22.13	23.00
		3	3	21.97	22.27	22.17	23.00
		6	0	21.21	21.25	21.25	22.00
	16QAM	1	0	21.89	21.51	21.47	22.00
		1	2	21.55	21.47	21.51	22.00

		1	5	21.39	21.27	21.35	22.00
		3	0	20.89	21.29	21.11	22.00
		3	2	21.13	21.17	21.07	22.00
		3	3	20.97	21.31	20.93	22.00
		6	0	20.43	20.37	20.15	21.00
	64QAM	1	0	20.51	20.43	20.33	21.00
		1	2	20.63	20.43	20.85	21.00
		1	5	20.13	20.61	20.29	21.00
		3	0	20.21	20.17	20.27	21.00
		3	2	19.99	20.29	19.93	21.00
		3	3	20.00	19.94	20.12	21.00
		6	0	19.59	19.17	19.55	20.00
	256QAM	1	0	17.36	17.44	17.48	18.00
		3	0	17.44	17.42	17.36	18.00
		6	0	17.35	17.71	17.49	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				131987/1711.5	132322/1745	132657/1778.5	
3MHz	QPSK	1	0	22.26	22.26	22.28	23.00
		1	7	22.04	22.22	22.00	23.00
		1	14	22.17	22.13	22.03	23.00
		8	0	21.41	21.35	21.39	22.00
		8	4	21.37	21.43	21.09	22.00
		8	7	21.25	21.41	21.23	22.00
		15	0	21.39	21.29	21.35	22.00
	16QAM	1	0	21.75	21.59	21.71	22.00
		1	7	21.53	21.51	21.51	22.00
		1	14	21.43	21.51	21.23	22.00
		8	0	20.25	20.37	20.27	21.00
		8	4	20.49	20.45	20.15	21.00
		8	7	20.13	20.25	20.01	21.00
		15	0	20.33	20.25	20.15	21.00
	64QAM	1	0	20.65	20.71	20.47	21.00
		1	7	20.53	20.49	20.59	21.00
		1	14	20.35	20.45	20.37	21.00
		8	0	19.45	19.39	19.37	20.00
		8	4	19.29	19.53	19.21	20.00
		8	7	19.10	19.04	19.24	20.00
		15	0	19.41	19.29	19.49	20.00
	256QAM	1	0	17.30	17.24	17.46	18.00
		8	0	17.36	17.42	17.40	18.00
		15	0	17.55	17.69	17.49	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				131997/1712.5	132322/1745	132647/1777.5	

5MHz	QPSK	1	0	22.06	22.26	21.90	23.00
		1	13	21.96	21.96	21.90	23.00
		1	24	22.03	21.87	21.91	23.00
		12	0	21.23	21.11	21.25	22.00
		12	6	21.43	21.35	21.31	22.00
		12	13	21.15	21.45	21.37	22.00
		25	0	21.39	21.25	21.25	22.00
	16QAM	1	0	21.71	21.33	21.89	22.00
		1	13	21.75	21.57	21.15	22.00
		1	24	21.29	21.45	21.45	22.00
		12	0	20.07	19.95	20.17	21.00
		12	6	20.63	20.33	20.41	21.00
		12	13	19.87	20.49	20.01	21.00
		25	0	20.25	20.27	19.87	21.00
	64QAM	1	0	20.25	20.81	20.17	21.00
		1	13	20.71	20.55	20.45	21.00
		1	24	20.55	20.63	20.45	21.00
		12	0	19.05	19.37	19.23	20.00
		12	6	19.39	19.53	19.03	20.00
		12	13	19.12	19.04	19.54	20.00
		25	0	19.43	19.25	19.37	20.00
	256QAM	1	0	17.46	17.36	17.56	18.00
		12	0	17.46	17.24	17.16	18.00
		25	0	17.35	17.61	17.57	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				132022/1715	132322/1745	132622/1775	
10MHz	QPSK	1	0	22.18	22.30	22.14	23.00
		1	25	22.02	22.34	22.18	23.00
		1	49	21.89	21.95	21.97	23.00
		25	0	21.33	21.19	21.25	22.00
		25	13	21.35	21.43	21.23	22.00
		25	25	21.25	21.51	21.25	22.00
		50	0	21.29	21.47	21.11	22.00
	16QAM	1	0	21.69	21.63	21.47	22.00
		1	25	21.61	21.65	21.25	22.00
		1	49	21.47	21.61	21.33	22.00
		25	0	20.07	20.11	20.05	21.00
		25	13	20.23	20.49	20.13	21.00
		25	25	20.07	20.39	19.87	21.00
		50	0	20.23	20.45	20.31	21.00
	64QAM	1	0	20.67	20.37	20.17	21.00
		1	25	20.75	20.49	20.53	21.00
		1	49	20.43	20.31	20.15	21.00

		25	0	19.15	19.41	19.09	20.00
		25	13	19.27	19.45	19.27	20.00
		25	25	19.26	19.10	19.52	20.00
		50	0	19.19	19.33	19.37	20.00
	256QAM	1	0	17.46	17.30	17.68	18.00
		25	0	17.48	17.46	17.26	18.00
		50	0	17.47	17.63	17.57	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				132047/1717.5	132322/1745	132597/1772.5	
15MHz	QPSK	1	0	22.16	22.50	22.02	23.00
		1	38	22.02	22.14	21.88	23.00
		1	74	22.09	22.17	21.99	23.00
		36	0	21.17	21.33	21.23	22.00
		36	18	21.41	21.27	21.21	22.00
		36	39	21.15	21.21	21.17	22.00
		75	0	21.17	21.43	21.27	22.00
	16QAM	1	0	21.67	21.51	21.59	22.00
		1	38	21.45	21.61	21.37	22.00
		1	74	21.29	21.45	21.51	22.00
		36	0	20.13	20.37	20.31	21.00
		36	18	20.41	20.45	20.15	21.00
		36	39	20.15	20.35	20.01	21.00
		75	0	20.21	20.29	20.29	21.00
	64QAM	1	0	20.63	20.47	20.49	21.00
		1	38	20.67	20.49	20.51	21.00
		1	74	20.45	20.37	20.33	21.00
		36	0	19.43	19.31	19.11	20.00
		36	18	19.49	19.33	19.39	20.00
		36	39	19.18	19.14	19.22	20.00
		75	0	19.33	19.17	19.21	20.00
	256QAM	1	0	17.38	17.38	17.60	18.00
		36	0	17.34	17.46	17.46	18.00
		75	0	17.63	17.53	17.41	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				132072/1720	132322/1745	132572/1770	
20MHz	QPSK	1	0	22.24	22.36	22.12	23.00
		1	50	22.06	22.12	21.98	23.00
		1	99	22.07	22.07	22.01	23.00
		50	0	21.25	21.27	21.35	22.00
		50	25	21.43	21.35	21.17	22.00
		50	50	21.25	21.29	21.13	22.00
		100	0	21.29	21.39	21.29	22.00
	16QAM	1	0	21.69	21.57	21.59	22.00

		1	50	21.57	21.51	21.37	22.00
		1	99	21.31	21.39	21.33	22.00
		50	0	20.15	20.25	20.19	21.00
		50	25	20.39	20.37	20.19	21.00
		50	50	20.05	20.27	19.99	21.00
		100	0	20.25	20.25	20.11	21.00
	64QAM	1	0	20.51	20.55	20.35	21.00
		1	50	20.55	20.49	20.61	21.00
		1	99	20.29	20.39	20.31	21.00
		50	0	19.33	19.39	19.21	20.00
		50	25	19.31	19.39	19.23	20.00
		50	50	19.20	19.08	19.30	20.00
	256QAM	100	0	19.35	19.15	19.33	20.00
1		0	17.30	17.34	17.50	18.00	
50		0	17.44	17.26	17.26	18.00	
100		0	17.45	17.61	17.53	18.00	
LTE B71							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				133147/665.5	133297/680.5	133447/695.5	
5MHz	QPSK	1	0	22.31	22.40	22.27	23.50
		1	13	22.37	22.23	22.17	23.50
		1	24	22.45	22.03	22.14	23.50
		12	0	21.38	21.56	21.29	22.50
		12	6	21.48	21.11	21.44	22.50
		12	13	21.18	20.91	21.32	22.50
		25	0	21.77	21.04	21.38	22.50
	16QAM	1	0	21.20	21.29	21.69	22.50
		1	13	21.18	21.21	21.59	22.50
		1	24	21.34	21.82	21.46	22.50
		12	0	20.27	20.44	20.32	21.50
		12	6	20.21	20.14	20.29	21.50
		12	13	20.56	20.38	20.51	21.50
		25	0	20.49	19.91	20.43	21.50
	64QAM	1	0	20.46	19.91	20.49	21.50
		1	13	20.58	20.32	20.57	21.50
		1	24	20.51	20.22	20.54	21.50
		12	0	19.45	19.04	19.10	20.50
		12	6	19.25	19.44	19.46	20.50
		12	13	19.59	19.06	19.50	20.50
		25	0	19.43	19.35	19.47	20.50
	256QAM	1	0	17.51	17.43	17.41	18.50
		12	0	17.53	17.12	17.17	18.50

		25	0	17.71	17.65	17.42	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133172/668	133297/680.5	133422/693	
10MHz	QPSK	1	0	22.33	22.38	22.61	23.50
		1	25	22.05	22.31	22.11	23.50
		1	49	22.49	22.35	22.18	23.50
		25	0	21.28	21.56	21.45	22.50
		25	13	21.58	21.33	21.40	22.50
		25	25	21.56	21.31	21.18	22.50
		50	0	21.69	21.40	21.56	22.50
	16QAM	1	0	21.46	21.29	21.79	22.50
		1	25	21.60	21.41	21.29	22.50
		1	49	21.50	21.94	21.52	22.50
		25	0	20.21	20.44	20.30	21.50
		25	13	20.27	20.28	20.59	21.50
		25	25	20.62	20.50	20.37	21.50
		50	0	20.57	20.33	20.39	21.50
	64QAM	1	0	20.30	20.09	20.61	21.50
		1	13	20.16	20.16	20.29	21.50
		1	24	20.79	20.72	20.64	21.50
		12	0	19.23	18.98	19.22	20.50
		12	6	19.53	19.38	19.30	20.50
		12	13	19.43	19.22	19.42	20.50
		25	0	19.39	19.37	19.49	20.50
	256QAM	1	0	17.57	17.47	17.51	18.50
		12	0	17.37	17.28	17.61	18.50
		25	0	17.39	17.37	17.56	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133197/670.5	133297/680.5	133397/690.5	
15MHz	QPSK	1	0	22.31	22.32	22.37	23.50
		1	38	22.11	22.43	21.97	23.50
		1	74	22.35	22.27	22.22	23.50
		36	0	21.26	21.48	21.39	22.50
		36	18	21.56	21.33	21.34	22.50
		36	39	21.42	21.25	21.24	22.50
		75	0	21.57	21.38	21.34	22.50
	16QAM	1	0	21.40	21.33	21.73	22.50
		1	38	21.66	21.43	21.51	22.50
		1	74	21.68	21.72	21.66	22.50
		36	0	20.55	20.46	20.26	21.50
		36	18	20.37	20.38	20.41	21.50
		36	39	20.42	20.50	20.31	21.50
		75	0	20.35	20.13	20.53	21.50

	64QAM	1	0	20.40	20.21	20.59	21.50
		1	13	20.28	20.34	20.53	21.50
		1	24	20.75	20.44	20.52	21.50
		12	0	19.43	19.04	19.28	20.50
		12	6	19.49	19.24	19.20	20.50
		12	13	19.53	19.28	19.30	20.50
		25	0	19.55	19.15	19.39	20.50
	256QAM	1	0	17.25	17.35	17.51	18.50
		12	0	17.61	17.30	17.43	18.50
		25	0	17.55	17.53	17.50	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133222/673	133322/683	133372/688	
20MHz	QPSK	1	0	22.27	22.26	22.39	23.50
		1	50	22.23	22.33	22.07	23.50
		1	99	22.47	22.33	22.28	23.50
		50	0	21.38	21.34	21.27	22.50
		50	25	21.44	21.21	21.38	22.50
		50	50	21.48	21.25	21.30	22.50
		100	0	21.49	21.22	21.34	22.50
	16QAM	1	0	21.40	21.43	21.57	22.50
		1	50	21.48	21.37	21.47	22.50
		1	99	21.64	21.74	21.52	22.50
		50	0	20.37	20.30	20.36	21.50
		50	25	20.39	20.32	20.37	21.50
		50	50	20.42	20.32	20.41	21.50
		100	0	20.45	20.23	20.37	21.50
	64QAM	1	0	20.42	20.27	20.47	21.50
		1	13	20.30	20.32	20.37	21.50
		1	24	20.61	20.56	20.50	21.50
		12	0	19.41	19.04	19.26	20.50
		12	6	19.35	19.32	19.32	20.50
		12	13	19.41	19.20	19.32	20.50
		25	0	19.45	19.27	19.35	20.50
	256QAM	1	0	17.35	17.27	17.39	18.50
		12	0	17.43	17.42	17.39	18.50
		25	0	17.53	17.51	17.54	18.50

9.3 CA Mode

UL CA

CA Combination	Modulation	PCC							SCC						output power	
		PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC UL Channel	f _{UL} [MHz]	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC UL Channel	f _{UL} [MHz]	SCC UL RB size	SCC UL RB offset	conducted power (dbm)	Tuned up (dbm)
CA_2C Main ANT	QPSK	2	20	1	99	18700	1860	700	2	20	18898	1879.8	1	0	23.25	24.00
	QPSK	2	20	1	99	18801	1880	801	2	20	18999	1889.9	1	0	23.19	24.00
	QPSK	2	20	1	0	19100	1900	1100	2	20	18902	1880.2	1	99	23.30	24.00
CA_5B Main ANT	QPSK	5	10	1	49	20450	829	2450	5	10	20549	838.9	1	0	23.86	24.00
	QPSK	5	10	1	49	20476	831.6	2476	5	10	20575	841.5	1	0	23.75	24.00
	QPSK	5	10	1	0	20600	844	2600	5	10	20501	834.1	1	49	23.77	24.00
CA_7C Main ANT	QPSK	7	20	1	99	20850	2510	2850	7	20	21048	2529.8	1	0	23.15	23.50
	QPSK	7	20	1	99	21001	2525.1	3001	7	20	21199	2544.9	1	0	23.20	23.50
	QPSK	7	20	1	0	21350	2560	3350	7	20	21152	2540.2	1	99	23.26	23.50
CA_12B Main ANT	QPSK	5	10	1	49	23048	702.8	5048	5	10	23147	712.7	1	0	23.86	24.00
	QPSK	5	10	1	49	23060	704	5060	5	10	23159	713.9	1	0	23.75	24.00
	QPSK	5	10	1	0	23130	711	5130	5	10	23031	701.1	1	49	23.79	24.00
CA_38C Main ANT	QPSK	38	20	1	99	37850	2580	37850	38	20	38048	2599.8	1	0	23.30	23.50
	QPSK	38	20	1	99	37901	2585.1	37901	38	20	38099	2604.9	1	0	23.22	23.50
	QPSK	38	20	1	0	38150	2610	38150	38	20	37952	2590.2	1	99	23.18	23.50
CA_41C Main ANT	QPSK	41	20	1	99	39750	2506	39750	41	20	39948	2525.8	1	0	23.16	23.50
	QPSK	41	20	1	99	40521	2583.1	40521	41	20	40719	2602.9	1	0	23.12	23.50
	QPSK	41	20	1	0	41490	2680	41490	41	20	41292	2660.2	1	99	23.18	23.50
CA_66C Main ANT	QPSK	66	20	1	99	132072	1720	2120	66	20	132270	1739.8	1	0	23.16	23.50
	QPSK	66	20	1	99	132322	1745	2145	66	20	132520	1764.8	1	0	23.10	23.50
	QPSK	66	20	1	0	132572	1770	2170	66	20	132374	1750.2	1	99	23.05	23.50

DL CA

DL Intra Band Contiguous Measured Results																
CA configuration	CC1 UL					CC2 DL			CC3 DL			Aggregated BW	MPR	CA Inactive (dBm)	CA Active (dBm)	Delta
	Modulation	BW(MHz)	Channel	Fre(MHz)	RB, Offset	BW(MHz)	Channel	Fre(MHz)	BW(MHz)	Channel	Fre(MHz)					
CA_7B	QPSK	10	21100	2535	1,0	10	3199	2664.9	/	/	/	20	0	22.42	22.42	0.00
CA_7C	QPSK	20	21001	2525.1	1,50	20	3199	2664.9	/	/	/	40	0	22.42	22.42	0.00
CA_38C	QPSK	20	37901	2585.1	1,50	20	38099	2604.9	/	/	/	40	0	22.05	22.09	-0.04
CA_41C	QPSK	20	40521	2583.1	1,50	20	40719	2602.9	/	/	/	40	0	22.58	22.58	0.00
CA_48D	QPSK	20	55340	3560	1,0	20	55538	3579.8	20	55736	3599.6	60	0	21.77	21.79	-0.02
DL Intra Band Non-Contiguous Measured Results																
CA configuration	CC1 UL					CC2 DL			CC3 DL			Aggregated BW	MPR	CA	CA	Delta

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	Modle	BW(MHz)	Channel	Fre(MHz)	RB,Offset	BW(MHz)	Channel	Fre(MHz)	BW(MHz)	Channel	Fre(MHz)	ated BW		Inactive (dBm)	Active (dBm)	
CA_41A-41A	QPSK	20	39750	2506	1,50	20	41490	2680	/	/	/	40	0	22.51	22.58	-0.07
DL Inter Band(2 Bands)Measured Results																
CA configuration	CC1 UL					CC2 DL			CC3 DL			Aggreg ated BW	MPR	CA Inactive (dBm)	CA Active (dBm)	Delta
	Modle	BW(MHz)	Channel	Fre(MHz)	RB,Offset	BW(MHz)	Channel	Fre(MHz)	BW(MHz)	Channel	Fre(MHz)	BW		(dBm)	(dBm)	
CA_2A-12A	QPSK	20	18900	1880	1,0	10	5095	737.5	/	/	/	30	0	22.36	22.36	0.00
CA_5A-25A	QPSK	10	20525	836.5	1,0	20	8365	1882.5	/	/	/	30	0	22.55	22.55	0.00
CA_5A-41A	QPSK	10	20525	836.5	1,0	20	40620	2593	/	/	/	30	0	22.55	22.55	0.00
CA_14A-66A	QPSK	10	23330	793	1,0	20	66786	2145	/	/	/	30	0	22.41	22.43	-0.02
CA_66A-71A	QPSK	20	132322	1745	1,0	20	68786	637	/	/	/	40	0	22.10	22.11	-0.01
DL Inter Band(3 Bands)Measured Results																
CA configuration	CC1 UL					CC2 DL			CC3 DL			Aggreg ated BW	MPR	CA Inactive (dBm)	CA Active (dBm)	Delta
	Modle	BW(MHz)	Channel	Fre(MHz)	RB,Offset	BW(MHz)	Channel	Fre(MHz)	BW(MHz)	Channel	Fre(MHz)	BW		(dBm)	(dBm)	
CA_2A-2A-71A	QPSK	20	18900	1880	1,0	20	1100	1980	20	68786	637	60	0	22.36	22.36	0.00
CA_2A-5B	QPSK	20	18900	1880	1,0	10	2450	874	10	2549	883.9	40	0	22.36	22.36	0.00
CA_2A-7A-7A	QPSK	20	18900	1880	1,0	20	2850	2630	20	3350	2680	60	0	22.33	22.36	-0.03
CA_2A-12A-12A	QPSK	20	18900	1880	1,0	10	5095	737.5	10	5130	741	40	0	22.35	22.36	-0.01
CA_2A-48A-48A	QPSK	20	18900	1880	1,0	20	55990	3625	20	56640	3690	60	0	22.36	22.36	0.00
CA_2A-48C	QPSK	20	18900	1880	1,0	20	55340	3560	20	55538	3579.8	60	0	22.35	22.36	-0.01
CA_4A-4A-5A	QPSK	20	20175	1732.5	1,0	20	2300	2145	10	2600	889	50	0	22.03	22.03	0.00
CA_4A-48C	QPSK	20	20175	1732.5	1,0	20	55340	3560	20	55538	3579.8	60	0	22.03	22.03	0.00
CA_5A-7A-7A	QPSK	10	20525	836.5	1,0	20	2850	2630	20	3350	2680	50	0	22.50	22.55	-0.05
CA_5A-7C	QPSK	10	20525	836.5	1,0	20	3001	2645.1	20	3199	2664.9	50	0	22.47	22.55	-0.08
CA_5A-5A-66A	QPSK	10	20525	836.5	1,0	20	66786	2145	20	67036	2170	50	0	22.53	22.55	-0.02
CA_7A-12B	QPSK	20	20850	2510	1,0	10	5095	737.5	10	5194	747.4	40	0	22.38	22.38	0.00
CA_12B-66A	QPSK	10	23095	707.5	1,0	10	5194	747.4	20	66786	2145	40	0	23.00	23.01	-0.01
CA_25A-25A-25A	QPSK	20	26140	1860	1,0	20	8365	1962.5	20	8590	1985	60	0	22.35	22.39	-0.04
CA_41A-41A-41A	QPSK	20	39750	2506	1,0	20	40620	2593	20	41490	2680	60	0	22.58	22.58	0.00
CA_48A-66B	QPSK	20	55990	3625	1,0	10	66786	2145	10	66885	2154.9	40	0	21.79	21.79	0.00
CA_48B-66A	QPSK	10	55990	3625	1,0	10	56089	3634.9	20	67036	2170	40	0	21.79	21.79	0.00
CA_48A-48C	QPSK	20	55990	3625	1,0	20	55340	3560	20	55538	3579.8	60	0	21.79	21.79	0.00
CA_48A-48A-66A	QPSK	20	55990	3625	1,0	20	56640	3690	20	67036	2170	60	0	21.70	21.79	-0.09
CA_48A-48A-71A	QPSK	20	55990	3625	1,0	20	56640	3690	20	68786	637	60	0	21.75	21.79	-0.04
CA_48A-66A-66A	QPSK	20	55340	3560	1,0	20	66786	2145	20	67036	2170	60	0	21.77	21.79	-0.02
CA_48A-66C	QPSK	20	55340	3560	1,0	20	66687	2135.1	20	66885	2154.9	60	0	21.79	21.79	0.00
CA_48C-66A	QPSK	20	55340	3560	1,0	20	55538	3579.8	20	67036	2170	60	0	21.79	21.79	0.00
CA_48C-71A	QPSK	20	55340	3560	1,0	20	55538	3579.8	20	68786	637	60	0	21.76	21.79	-0.03
CA_66A-66A-66A	QPSK	20	132072	1720	1,0	20	66786	2145	20	67036	2170	60	0	22.10	22.11	-0.01
CA_66A-66C	QPSK	20	132072	1720	1,0	20	66687	2135.1	20	66885	2154.9	60	0	22.11	22.11	0.00

9.4 NR Mode

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS 138.521-1 specification.

The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 and Table 6.2.2-2 and Table 6.2.2.3-2 of the 3GPP TS138.521-1.

Table 6.2.2.3-1: Maximum Power Reduction (MPR) for Power 3

Modulation	MPR (dB)		
	Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM PI/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
	$\leq 0.5^2$		0^2
DFT-s-OFDM QPSK	≤ 1		0
DFT-s-OFDM 16 QAM	≤ 2		≤ 1
DFT-s-OFDM 64 QAM		≤ 2.5	
DFT-s-OFDM 256 QAM		≤ 4.5	
CP-OFDM QPSK	≤ 3		≤ 1.5
CP-OFDM 16 QAM	≤ 3		≤ 2
CP-OFDM 64 QAM		≤ 3.5	
CP-OFDM 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 <i>powerBoosting-pi2BPSK</i> and if the IE <i>powerBoostPi2BPSK</i> 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 <i>powerBoostPi2BPSK</i> 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.			

n2							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/1852.5	376000/1880	381500/1907.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.44	22.46	22.48	23.50
		1	23	22.56	22.68	22.52	23.50
		12	6	22.42	22.62	22.42	23.50
		25	0	21.54	21.58	21.52	23.00
	DFT-s-OFDM QPSK	1	1	22.71	22.55	22.69	23.50
		1	23	22.33	22.59	22.37	23.50
		12	6	22.84	22.88	22.84	23.50
		25	0	21.64	21.72	21.52	22.50
	DFT-s-OFDM 16QAM	1	1	21.70	21.74	21.72	22.50
	DFT-s-OFDM 64QAM	1	1	20.25	20.27	20.29	21.00
	DFT-s-OFDM 256QAM	1	1	17.84	17.80	17.78	18.50
	CP-OFDM QPSK	1	1	21.09	21.15	21.15	22.00
	CP-OFDM 16QAM	1	1	20.96	21.00	20.86	21.50
	CP-OFDM 64QAM	1	1	18.94	18.84	18.92	20.00
CP-OFDM 256QAM	1	1	15.96	16.02	15.84	17.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376000/1880	381000/1905	
10MHz	DFT-s-OFDM BPSK	1	1	22.50	22.42	22.26	23.50
		1	50	22.70	22.80	22.70	23.50
		25	12	22.68	22.30	22.54	23.50
		50	0	21.58	21.68	21.46	23.00
	DFT-s-OFDM QPSK	1	1	22.57	22.59	22.69	23.50
		1	50	22.37	22.39	22.53	23.50
		25	12	22.74	22.56	22.48	23.50
		50	0	21.66	21.58	21.34	22.50
	DFT-s-OFDM 16QAM	1	1	21.56	21.58	21.88	22.50
	DFT-s-OFDM 64QAM	1	1	20.51	20.25	20.49	21.00
	DFT-s-OFDM 256QAM	1	1	17.70	17.78	17.92	18.50
	CP-OFDM QPSK	1	1	21.01	21.29	21.01	22.00

	CP-OFDM 16QAM	1	1	21.20	21.06	21.02	21.50
	CP-OFDM 64QAM	1	1	19.06	18.86	18.72	20.00
	CP-OFDM 256QAM	1	1	15.96	15.64	16.14	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376000/1880	380500/1902.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.60	22.70	22.46	23.50
		1	77	22.70	22.52	22.54	23.50
		36	18	22.50	22.32	22.68	23.50
		75	0	21.50	21.54	21.64	23.00
	DFT-s-OFDM QPSK	1	1	22.85	22.75	22.51	23.50
		1	77	22.47	22.49	22.31	23.50
		36	18	22.72	22.84	22.78	23.50
		75	0	21.80	21.50	21.54	22.50
	DFT-s-OFDM 16QAM	1	1	21.88	21.70	21.84	22.50
	DFT-s-OFDM 64QAM	1	1	20.35	20.27	20.37	21.00
	DFT-s-OFDM 256QAM	1	1	17.76	17.78	17.68	18.50
	CP-OFDM QPSK	1	1	21.23	21.03	21.15	22.00
	CP-OFDM 16QAM	1	1	20.74	21.10	21.10	21.50
	CP-OFDM 64QAM	1	1	19.06	18.80	19.06	20.00
	CP-OFDM 256QAM	1	1	16.10	15.94	16.02	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376000/1880	380000/1900	
20MHz	DFT-s-OFDM BPSK	1	1	22.64	22.50	22.50	23.50
		1	104	22.62	22.66	22.52	23.50
		50	25	22.44	22.48	22.48	23.50
		100	0	21.50	21.48	21.48	23.00
	DFT-s-OFDM QPSK	1	1	22.63	22.55	22.73	23.50
		1	104	22.39	22.43	22.47	23.50
		50	25	22.86	22.72	22.62	23.50
		100	0	21.74	21.76	21.68	22.50
	DFT-s-OFDM 16QAM	1	1	21.66	21.78	21.66	22.50
	DFT-s-OFDM 64QAM	1	1	20.23	20.35	20.19	21.00

	DFT-s-OFDM 256QAM	1	1	17.66	17.76	17.86	18.50
	CP-OFDM QPSK	1	1	21.21	21.07	21.33	22.00
	CP-OFDM 16QAM	1	1	21.00	20.82	20.90	21.50
	CP-OFDM 64QAM	1	1	18.88	18.92	18.92	20.00
	CP-OFDM 256QAM	1	1	16.06	16.00	15.80	17.00
n5							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				165300/826.5	167300/836.5	169300/846.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.33	22.47	22.37	23.50
		1	23	22.81	22.81	22.91	23.50
		12	6	22.82	22.94	22.90	23.50
		25	0	22.41	22.25	22.25	23.00
	DFT-s-OFDM QPSK	1	1	22.46	22.52	22.32	23.50
		1	23	22.72	22.82	22.88	23.50
		12	6	22.81	22.85	22.97	23.50
		25	0	21.85	21.89	21.73	22.50
	DFT-s-OFDM 16QAM	1	1	21.82	21.74	21.90	22.50
	DFT-s-OFDM 64QAM	1	1	20.60	20.56	20.60	21.00
	DFT-s-OFDM 256QAM	1	1	18.01	17.81	17.89	18.50
	CP-OFDM QPSK	1	1	21.33	21.27	21.37	22.00
	CP-OFDM 16QAM	1	1	21.41	21.39	21.23	21.50
	CP-OFDM 64QAM	1	1	19.20	19.18	19.12	20.00
	CP-OFDM 256QAM	1	1	16.00	16.06	15.98	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				165800/829	167300/836.5	168800/844	
10MHz	DFT-s-OFDM BPSK	1	1	22.29	22.43	22.41	23.50
		1	50	22.81	22.67	22.73	23.50
		25	12	22.66	22.94	22.88	23.50
		50	0	22.19	22.25	21.97	23.00
	DFT-s-OFDM QPSK	1	1	22.42	22.42	22.56	23.50
		1	50	22.78	23.00	22.72	23.50

		25	12	22.55	22.69	22.77	23.50
		50	0	21.69	21.91	21.53	22.50
	DFT-s-OFDM 16QAM	1	1	21.92	22.02	21.50	22.50
	DFT-s-OFDM 64QAM	1	1	20.80	20.54	20.56	21.00
	DFT-s-OFDM 256QAM	1	1	18.13	17.71	17.67	18.50
	CP-OFDM QPSK	1	1	21.25	21.25	21.31	22.00
	CP-OFDM 16QAM	1	1	21.21	21.25	21.21	21.50
	CP-OFDM 64QAM	1	1	19.32	19.12	19.04	20.00
	CP-OFDM 256QAM	1	1	15.98	15.94	15.80	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166300/831.5	167300/836.5	168300/841.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.17	22.21	22.25	23.50
		1	77	22.99	22.73	22.65	23.50
		36	18	22.98	22.98	22.86	23.50
		75	0	22.13	22.47	22.45	23.00
	DFT-s-OFDM QPSK	1	1	22.44	22.46	22.64	23.50
		1	77	22.78	22.72	22.98	23.50
		36	18	23.03	23.01	22.65	23.50
		75	0	21.85	21.75	21.85	22.50
	DFT-s-OFDM 16QAM	1	1	21.86	21.70	21.66	22.50
	DFT-s-OFDM 64QAM	1	1	20.40	20.38	20.46	21.00
	DFT-s-OFDM 256QAM	1	1	17.87	18.05	17.67	18.50
	CP-OFDM QPSK	1	1	21.39	21.37	21.33	22.00
	CP-OFDM 16QAM	1	1	21.47	21.23	21.25	21.50
	CP-OFDM 64QAM	1	1	19.12	19.02	19.14	20.00
	CP-OFDM 256QAM	1	1	16.16	16.16	16.12	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166800/834	167300/836.5	167800/839	
20MHz	DFT-s-OFDM BPSK	1	1	22.41	22.31	22.43	23.50
		1	104	22.71	22.89	22.91	23.50

		50	25	22.88	22.70	22.80	23.50
		100	0	22.25	22.35	22.21	23.00
	DFT-s-OFDM QPSK	1	1	22.36	22.46	22.54	23.50
		1	104	22.88	22.94	22.70	23.50
		50	25	22.99	22.97	22.93	23.50
		100	0	21.69	21.67	21.91	22.50
	DFT-s-OFDM 16QAM	1	1	21.90	21.80	21.82	22.50
	DFT-s-OFDM 64QAM	1	1	20.52	20.42	20.46	21.00
	DFT-s-OFDM 256QAM	1	1	17.79	17.81	17.91	18.50
	CP-OFDM QPSK	1	1	21.53	21.35	21.29	22.00
	CP-OFDM 16QAM	1	1	21.21	21.27	21.15	21.50
	CP-OFDM 64QAM	1	1	19.14	19.26	19.02	20.00
	CP-OFDM 256QAM	1	1	15.88	16.00	16.00	17.00
	n7						
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				500500/2502.5	507000/2535	513500/2567.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.67	22.79	22.85	23.50
		1	23	22.73	22.63	22.83	23.50
		12	6	22.73	22.63	22.87	23.50
		25	0	22.19	22.21	22.33	23.00
	DFT-s-OFDM QPSK	1	1	22.64	22.86	22.68	23.50
		1	23	22.70	22.86	22.84	23.50
		12	6	22.83	22.71	22.77	23.50
		25	0	21.86	21.60	21.60	22.50
	DFT-s-OFDM 16QAM	1	1	21.54	21.60	21.64	22.50
	DFT-s-OFDM 64QAM	1	1	20.49	20.37	20.53	21.00
	DFT-s-OFDM 256QAM	1	1	17.73	17.71	17.49	18.50
	CP-OFDM QPSK	1	1	21.52	21.32	21.26	22.00
	CP-OFDM 16QAM	1	1	21.06	21.18	21.02	21.50
	CP-OFDM 64QAM	1	1	18.94	19.10	19.16	20.00

	CP-OFDM 256QAM	1	1	15.95	15.81	15.69	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501000/2505	507000/2535	513000/2565	
10MHz	DFT-s-OFDM BPSK	1	1	22.67	22.91	22.79	23.50
		1	50	22.65	22.87	22.63	23.50
		25	12	22.97	22.79	22.99	23.50
		50	0	22.31	22.19	22.23	23.00
	DFT-s-OFDM QPSK	1	1	22.82	22.76	22.82	23.50
		1	50	22.80	22.72	22.90	23.50
		25	12	22.85	22.95	22.73	23.50
		50	0	21.70	21.88	21.92	22.50
	DFT-s-OFDM 16QAM	1	1	21.78	21.58	21.80	22.50
	DFT-s-OFDM 64QAM	1	1	20.57	20.47	20.37	21.00
	DFT-s-OFDM 256QAM	1	1	17.71	17.75	17.61	18.50
	CP-OFDM QPSK	1	1	21.50	21.46	21.50	22.00
	CP-OFDM 16QAM	1	1	21.30	21.14	21.38	21.50
	CP-OFDM 64QAM	1	1	19.12	19.18	19.22	20.00
	CP-OFDM 256QAM	1	1	15.93	15.91	15.87	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501500/2507.5	507000/2535	512500/2562.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.99	22.95	22.63	23.50
		1	77	22.69	22.93	22.93	23.50
		36	18	22.73	22.65	22.77	23.50
		75	0	22.07	22.23	22.29	23.00
	DFT-s-OFDM QPSK	1	1	22.84	22.68	22.88	23.50
		1	77	22.74	22.86	22.72	23.50
		36	18	22.75	22.73	22.97	23.50
		75	0	22.02	21.72	21.84	22.50
	DFT-s-OFDM 16QAM	1	1	21.54	21.62	21.54	22.50
	DFT-s-OFDM 64QAM	1	1	20.69	20.37	20.69	21.00
	DFT-s-OFDM 256QAM	1	1	17.87	17.63	17.53	18.50
	CP-OFDM QPSK	1	1	21.32	21.34	21.48	22.00

	CP-OFDM 16QAM	1	1	21.38	21.20	21.26	21.50
	CP-OFDM 64QAM	1	1	19.16	19.16	19.24	20.00
	CP-OFDM 256QAM	1	1	15.81	15.97	15.73	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				502000/2510	507000/2535	512000/2560	
20MHz	DFT-s-OFDM BPSK	1	1	22.79	22.77	22.77	23.50
		1	104	22.69	22.71	22.67	23.50
		50	25	22.83	22.85	22.87	23.50
		100	0	22.35	22.17	22.23	23.00
	DFT-s-OFDM QPSK	1	1	23.10	23.16	23.08	23.50
		1	104	23.14	22.90	23.04	23.50
		50	25	23.09	23.21	23.13	23.50
		100	0	22.18	22.04	21.94	22.50
	DFT-s-OFDM 16QAM	1	1	21.58	21.76	21.80	22.50
	DFT-s-OFDM 64QAM	1	1	20.49	20.39	20.53	21.00
	DFT-s-OFDM 256QAM	1	1	17.75	17.75	17.59	18.50
	CP-OFDM QPSK	1	1	21.36	21.48	21.34	22.00
	CP-OFDM 16QAM	1	1	21.10	21.10	21.26	21.50
	CP-OFDM 64QAM	1	1	19.04	19.32	19.10	20.00
	CP-OFDM 256QAM	1	1	15.97	16.03	15.79	17.00
n12							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				140300/701.5	141500/707.5	142700/713.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.86	22.76	22.92	23.50
		1	23	22.64	22.74	22.98	23.50
		12	6	22.70	23.06	22.84	23.50
		25	0	22.56	22.44	22.36	23.00
	DFT-s-OFDM QPSK	1	1	22.67	22.63	22.71	23.50
		1	23	22.85	22.59	22.99	23.50
		12	6	22.79	22.71	22.83	23.50
		25	0	21.63	21.47	21.79	22.50
	DFT-s-OFDM 16QAM	1	1	21.75	21.79	21.91	22.50

	DFT-s-OFDM 64QAM	1	1	20.35	20.85	20.83	21.00
	DFT-s-OFDM 256QAM	1	1	17.83	17.75	17.77	18.50
	CP-OFDM QPSK	1	1	21.41	21.57	21.31	22.00
	CP-OFDM 16QAM	1	1	21.19	21.21	21.03	21.50
	CP-OFDM 64QAM	1	1	19.13	19.23	18.95	20.00
	CP-OFDM 256QAM	1	1	15.99	15.83	16.13	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				140800/704	141500/707.5	142200/711	
10MHz	DFT-s-OFDM BPSK	1	1	22.68	22.56	22.86	23.50
		1	50	22.96	22.82	22.84	23.50
		25	12	22.74	22.84	22.78	23.50
		50	0	22.24	22.22	22.52	23.00
	DFT-s-OFDM QPSK	1	1	22.89	22.73	22.57	23.50
		1	50	22.89	22.75	22.91	23.50
		25	12	22.89	22.93	22.85	23.50
		50	0	21.95	21.71	21.93	22.50
	DFT-s-OFDM 16QAM	1	1	21.81	21.73	21.73	22.50
	DFT-s-OFDM 64QAM	1	1	20.43	20.47	20.59	21.00
	DFT-s-OFDM 256QAM	1	1	17.73	17.99	17.85	18.50
	CP-OFDM QPSK	1	1	21.49	21.65	21.69	22.00
	CP-OFDM 16QAM	1	1	21.01	21.19	21.23	21.50
	CP-OFDM 64QAM	1	1	18.97	18.85	19.03	20.00
	CP-OFDM 256QAM	1	1	15.97	16.01	15.97	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				141300/706.5	141500/707.5	141700/708.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.84	22.66	22.80	23.50
		1	77	22.90	22.74	22.94	23.50
		36	18	22.94	22.84	22.82	23.50
		75	0	22.46	22.22	22.34	23.00
	DFT-s-OFDM QPSK	1	1	22.73	22.69	22.75	23.50
		1	77	22.83	22.91	22.73	23.50

		36	18	22.91	23.01	22.79	23.50
		75	0	21.79	21.73	21.93	22.50
	DFT-s-OFDM 16QAM	1	1	21.79	21.93	21.95	22.50
	DFT-s-OFDM 64QAM	1	1	20.49	20.65	20.41	21.00
	DFT-s-OFDM 256QAM	1	1	18.01	17.81	18.01	18.50
	CP-OFDM QPSK	1	1	21.61	21.61	21.43	22.00
	CP-OFDM 16QAM	1	1	21.09	21.09	21.19	21.50
	CP-OFDM 64QAM	1	1	19.07	19.13	19.09	20.00
	CP-OFDM 256QAM	1	1	15.95	16.15	16.15	17.00
n25							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/1852.5	376500/1882.5	382500/1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.45	22.57	22.57	23.50
		1	23	22.63	22.55	22.73	23.50
		12	6	22.66	22.68	22.80	23.50
		25	0	22.13	22.29	22.23	23.00
	DFT-s-OFDM QPSK	1	1	22.60	22.70	22.72	23.50
		1	23	22.59	22.61	22.41	23.50
		12	6	22.79	22.61	22.81	23.50
		25	0	21.67	21.57	21.43	22.50
	DFT-s-OFDM 16QAM	1	1	21.55	21.67	21.69	22.50
	DFT-s-OFDM 64QAM	1	1	20.38	20.36	20.46	21.00
	DFT-s-OFDM 256QAM	1	1	17.62	17.58	17.60	18.50
	CP-OFDM QPSK	1	1	21.22	21.22	21.34	22.00
	CP-OFDM 16QAM	1	1	21.15	21.03	21.15	21.50
	CP-OFDM 64QAM	1	1	18.85	18.89	19.11	20.00
	CP-OFDM 256QAM	1	1	15.79	15.69	15.67	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	

10MHz	DFT-s-OFDM BPSK	1	1	22.21	22.41	22.51	23.50
		1	50	22.69	22.73	22.43	23.50
		25	12	22.84	22.66	22.54	23.50
		50	0	22.47	22.29	22.01	23.00
	DFT-s-OFDM QPSK	1	1	22.56	22.54	22.58	23.50
		1	50	22.19	22.53	22.51	23.50
		25	12	22.67	22.63	22.79	23.50
		50	0	21.49	21.57	21.45	22.50
	DFT-s-OFDM 16QAM	1	1	21.49	21.85	21.57	22.50
	DFT-s-OFDM 64QAM	1	1	20.04	20.54	20.38	21.00
	DFT-s-OFDM 256QAM	1	1	17.76	17.28	17.38	18.50
	CP-OFDM QPSK	1	1	21.36	21.14	21.44	22.00
	CP-OFDM 16QAM	1	1	20.85	21.05	20.89	21.50
	CP-OFDM 64QAM	1	1	19.17	18.81	18.83	20.00
	CP-OFDM 256QAM	1	1	15.89	15.75	15.63	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	38150/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.65	22.37	22.49	23.50
		1	77	22.83	22.59	22.75	23.50
		36	18	22.70	22.58	22.82	23.50
		75	0	22.13	22.27	22.29	23.00
	DFT-s-OFDM QPSK	1	1	22.82	22.54	22.72	23.50
		1	77	22.43	22.69	22.67	23.50
		36	18	22.85	22.63	22.71	23.50
		75	0	21.37	21.63	21.71	22.50
	DFT-s-OFDM 16QAM	1	1	21.61	21.45	21.75	22.50
	DFT-s-OFDM 64QAM	1	1	20.36	20.42	20.38	21.00
	DFT-s-OFDM 256QAM	1	1	17.58	17.42	17.54	18.50
	CP-OFDM QPSK	1	1	21.46	21.42	21.22	22.00
	CP-OFDM 16QAM	1	1	20.99	21.13	20.83	21.50
	CP-OFDM 64QAM	1	1	19.11	19.13	18.87	20.00

	CP-OFDM 256QAM	1	1	15.89	15.71	15.85	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	22.57	22.49	22.53	23.50
		1	104	22.77	22.75	22.73	23.50
		50	25	22.82	22.62	22.60	23.50
		100	0	22.21	22.09	22.21	23.00
	DFT-s-OFDM QPSK	1	1	22.64	22.64	22.66	23.50
		1	104	22.53	22.55	22.67	23.50
		50	25	22.57	22.67	22.79	23.50
		100	0	21.43	21.59	21.47	22.50
	DFT-s-OFDM 16QAM	1	1	21.61	21.79	21.53	22.50
	DFT-s-OFDM 64QAM	1	1	20.24	20.30	20.48	21.00
	DFT-s-OFDM 256QAM	1	1	17.48	17.36	17.54	18.50
	CP-OFDM QPSK	1	1	21.42	21.18	21.18	22.00
	CP-OFDM 16QAM	1	1	21.19	20.89	21.03	21.50
	CP-OFDM 64QAM	1	1	18.93	19.01	18.87	20.00
	CP-OFDM 256QAM	1	1	15.75	15.67	15.81	17.00
n38							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				516000/2580	519000/2595	522000/2610	
20MHz	DFT-s-OFDM BPSK	1	1	22.89	22.79	22.87	23.50
		1	49	22.96	22.72	22.96	23.50
		25	12	22.53	22.61	22.79	23.50
		50	0	22.27	21.95	22.07	23.00
	DFT-s-OFDM QPSK	1	1	22.76	22.68	22.56	23.50
		1	49	22.90	22.78	22.96	23.50
		25	12	22.60	22.50	22.74	23.50
		50	0	21.54	21.32	21.74	22.50
	DFT-s-OFDM 16QAM	1	1	21.54	21.34	21.56	22.50
	DFT-s-OFDM 64QAM	1	1	20.39	20.35	20.47	21.00
	DFT-s-OFDM 256QAM	1	1	17.91	18.27	18.21	18.50

	CP-OFDM QPSK	1	1	21.11	20.75	21.05	22.00
	CP-OFDM 16QAM	1	1	20.49	20.29	20.79	21.50
	CP-OFDM 64QAM	1	1	19.01	19.01	18.83	20.00
	CP-OFDM 256QAM	1	1	16.17	16.15	16.13	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				517000/2585	519000/2595	521000/2605	
30MHz	DFT-s-OFDM BPSK	1	1	22.75	22.85	22.91	23.50
		1	76	22.50	22.52	22.54	23.50
		36	18	22.79	22.73	22.71	23.50
		75	0	22.11	22.31	22.07	23.00
	DFT-s-OFDM QPSK	1	1	22.78	22.84	22.58	23.50
		1	76	22.82	22.98	23.02	23.50
		36	18	22.64	22.82	22.90	23.50
		75	0	21.74	21.58	21.76	22.50
	DFT-s-OFDM 16QAM	1	1	21.52	21.70	21.68	22.50
	DFT-s-OFDM 64QAM	1	1	20.43	20.07	20.37	21.00
	DFT-s-OFDM 256QAM	1	1	17.95	18.15	18.21	18.50
	CP-OFDM QPSK	1	1	21.19	20.93	20.99	22.00
	CP-OFDM 16QAM	1	1	20.59	20.67	20.67	21.50
	CP-OFDM 64QAM	1	1	18.89	19.09	18.83	20.00
	CP-OFDM 256QAM	1	1	16.37	16.35	16.07	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				518000/2590	519000/2595	520000/2600	
40MHz	DFT-s-OFDM BPSK	1	1	22.75	22.83	22.77	23.50
		1	104	22.70	22.60	22.78	23.50
		50	25	22.59	22.55	22.63	23.50
		100	0	22.15	22.27	22.31	23.00
	DFT-s-OFDM QPSK	1	1	22.58	22.62	22.50	23.50
		1	104	22.96	22.86	22.70	23.50
		50	25	22.84	22.88	22.70	23.50
		100	0	21.66	21.78	21.68	22.50
	DFT-s-OFDM 16QAM	1	1	21.70	21.76	21.74	22.50
		1	1	21.70	21.76	21.74	22.50

	DFT-s-OFDM 64QAM	1	1	20.11	20.41	20.27	21.00
	DFT-s-OFDM 256QAM	1	1	18.29	18.19	18.31	18.50
	CP-OFDM QPSK	1	1	21.11	21.03	21.17	22.00
	CP-OFDM 16QAM	1	1	20.71	20.69	20.49	21.50
	CP-OFDM 64QAM	1	1	19.13	19.09	18.89	20.00
	CP-OFDM 256QAM	1	1	16.35	16.33	16.27	17.00

n41							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				501204/2506.2	518598/2592.99	535998/2679.99	
20MHz	DFT-s-OFDM BPSK	1	1	23.11	22.85	22.75	23.50
		1	49	22.77	22.45	22.49	23.50
		25	12	22.51	22.69	22.51	23.50
		50	0	22.42	22.08	22.22	23.00
	DFT-s-OFDM QPSK	1	1	22.45	22.57	22.47	23.50
		1	49	22.89	22.45	22.55	23.50
		25	12	22.40	22.54	22.62	23.50
		50	0	21.45	21.47	21.83	22.50
	DFT-s-OFDM 16QAM	1	1	21.61	21.59	21.67	22.50
	DFT-s-OFDM 64QAM	1	1	20.02	20.00	19.84	21.00
	DFT-s-OFDM 256QAM	1	1	18.00	18.24	18.08	18.50
	CP-OFDM QPSK	1	1	21.02	21.40	21.38	22.00
	CP-OFDM 16QAM	1	1	20.51	20.75	20.31	21.50
	CP-OFDM 64QAM	1	1	18.84	19.22	19.02	20.00
	CP-OFDM 256QAM	1	1	16.27	16.19	15.91	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				502200/2511	518598/2592.99	534996/2674.98	
30MHz	DFT-s-OFDM BPSK	1	1	22.95	22.83	22.77	23.50
		1	76	22.79	22.49	22.75	23.50
		36	18	22.79	22.59	22.47	23.50

		75	0	22.44	22.34	22.28	23.00
	DFT-s-OFDM QPSK	1	1	22.71	22.51	22.71	23.50
		1	76	22.95	22.59	22.75	23.50
		36	18	22.62	22.84	22.56	23.50
		75	0	21.65	21.45	21.69	22.50
	DFT-s-OFDM 16QAM	1	1	21.71	21.67	21.47	22.50
	DFT-s-OFDM 64QAM	1	1	20.04	20.14	20.06	21.00
	DFT-s-OFDM 256QAM	1	1	17.90	18.10	18.18	18.50
	CP-OFDM QPSK	1	1	20.92	21.34	21.14	22.00
	CP-OFDM 16QAM	1	1	20.35	20.65	20.43	21.50
	CP-OFDM 64QAM	1	1	19.04	19.10	19.08	20.00
	CP-OFDM 256QAM	1	1	16.19	16.17	16.05	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				503202/2516.01	518598/2592.99	534000/2670	
40MHz	DFT-s-OFDM BPSK	1	1	22.89	22.81	22.69	23.50
		1	104	22.71	22.55	22.59	23.50
		50	25	22.65	22.67	22.45	23.50
		100	0	22.26	22.26	22.22	23.00
	DFT-s-OFDM QPSK	1	1	22.55	22.59	22.53	23.50
		1	104	22.83	22.63	22.69	23.50
		50	25	22.52	22.68	22.64	23.50
		100	0	21.63	21.53	21.73	22.50
	DFT-s-OFDM 16QAM	1	1	21.71	21.61	21.49	22.50
	DFT-s-OFDM 64QAM	1	1	20.06	19.96	19.96	21.00
	DFT-s-OFDM 256QAM	1	1	17.96	18.18	18.18	18.50
	CP-OFDM QPSK	1	1	20.96	21.20	21.24	22.00
	CP-OFDM 16QAM	1	1	20.47	20.55	20.37	21.50
	CP-OFDM 64QAM	1	1	18.86	19.00	19.08	20.00
	CP-OFDM 256QAM	1	1	16.11	16.13	16.05	17.00
Bandwidth	Modulation	RB	offset	Channel/Frequency(MHz)			Tune-up

		allocation		504204/2521.02	518598/2592.99	532998/2664.99	
50MHz	DFT-s-OFDM BPSK	1	1	23.01	22.91	22.77	23.50
		1	131	22.71	22.71	22.59	23.50
		64	32	22.73	22.65	22.55	23.50
		128	0	22.18	22.34	22.28	23.00
	DFT-s-OFDM QPSK	1	1	22.63	22.73	22.59	23.50
		1	131	22.77	22.75	22.69	23.50
		64	32	22.66	22.60	22.56	23.50
		128	0	21.63	21.71	21.81	22.50
	DFT-s-OFDM 16QAM	1	1	21.57	21.65	21.53	22.50
	DFT-s-OFDM 64QAM	1	1	20.20	20.16	20.20	21.00
	DFT-s-OFDM 256QAM	1	1	18.10	18.24	18.06	18.50
	CP-OFDM QPSK	1	1	21.10	21.32	21.10	22.00
	CP-OFDM 16QAM	1	1	20.57	20.67	20.53	21.50
	CP-OFDM 64QAM	1	1	19.04	19.12	19.02	20.00
	CP-OFDM 256QAM	1	1	16.33	16.41	16.37	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				505200/2526	518598/2595.99	531996/2659.98	
60MHz	DFT-s-OFDM BPSK	1	1	23.07	22.95	22.55	23.50
		1	160	22.53	22.45	22.87	23.50
		81	40	22.77	22.39	22.53	23.50
		162	0	22.10	22.44	22.34	23.00
	DFT-s-OFDM QPSK	1	1	22.33	22.59	22.55	23.50
		1	160	22.45	22.53	22.75	23.50
		81	40	22.66	22.58	22.60	23.50
		162	0	21.49	21.81	21.93	22.50
	DFT-s-OFDM 16QAM	1	1	21.51	21.85	21.59	22.50
	DFT-s-OFDM 64QAM	1	1	20.06	20.20	20.00	21.00
	DFT-s-OFDM 256QAM	1	1	18.06	17.88	18.32	18.50
	CP-OFDM QPSK	1	1	21.12	20.88	21.22	22.00
	CP-OFDM 16QAM	1	1	20.61	20.33	20.63	21.50

	CP-OFDM 64QAM	1	1	19.00	19.10	18.88	20.00
	CP-OFDM 256QAM	1	1	16.47	16.23	16.37	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				507204/2536.02	518598/2595.99	529998/2649.99	
80MHz	DFT-s-OFDM BPSK	1	1	22.89	22.77	23.01	23.50
		1	215	22.47	22.81	22.43	23.50
		108	54	22.69	22.59	22.49	23.50
		216	0	22.12	22.28	22.18	23.00
	DFT-s-OFDM QPSK	1	1	22.59	22.79	22.75	23.50
		1	215	22.59	22.77	22.97	23.50
		108	54	22.60	22.52	22.58	23.50
		216	0	21.55	21.55	21.65	22.50
	DFT-s-OFDM 16QAM	1	1	21.73	21.51	21.75	22.50
	DFT-s-OFDM 64QAM	1	1	20.08	20.30	20.06	21.00
	DFT-s-OFDM 256QAM	1	1	18.20	18.28	18.00	18.50
	CP-OFDM QPSK	1	1	21.12	21.04	21.24	22.00
	CP-OFDM 16QAM	1	1	20.37	20.75	20.37	21.50
	CP-OFDM 64QAM	1	1	19.18	19.12	18.86	20.00
	CP-OFDM 256QAM	1	1	16.35	16.37	16.39	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				509202/2546.01	518598/2592.99	528000/2640	
100MHz	DFT-s-OFDM BPSK	1	1	23.03	23.03	22.95	23.50
		1	271	22.59	22.69	22.75	23.50
		135	67	22.57	22.75	22.65	23.50
		270	0	22.20	22.28	22.10	23.00
	DFT-s-OFDM QPSK	1	1	22.73	22.49	22.57	23.50
		1	271	22.77	22.81	22.75	23.50
		135	67	22.80	22.74	22.54	23.50
		270	0	21.83	21.69	21.73	22.50
	DFT-s-OFDM 16QAM	1	1	21.71	21.77	21.51	22.50
	DFT-s-OFDM 64QAM	1	1	20.28	20.16	20.28	21.00
	DFT-s-OFDM 256QAM	1	1	18.12	18.28	18.06	18.50

	CP-OFDM QPSK	1	1	21.26	21.34	21.14	22.00
	CP-OFDM 16QAM	1	1	20.57	20.71	20.47	21.50
	CP-OFDM 64QAM	1	1	19.08	18.94	19.12	20.00
	CP-OFDM 256QAM	1	1	16.13	16.23	16.21	17.00

n48							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				637334/3560.01	641666/3624.99	646000/3690	
20MHz	DFT-s-OFDM BPSK	1	1	22.73	22.49	22.39	23.50
		1	49	22.34	22.48	22.62	23.50
		25	12	22.67	22.53	22.29	23.50
		50	0	22.12	22.06	21.80	23.00
	DFT-s-OFDM QPSK	1	1	22.64	22.46	22.34	23.50
		1	49	22.46	22.60	22.26	23.50
		25	12	22.72	22.72	22.50	23.50
		50	0	21.55	21.55	21.37	22.50
	DFT-s-OFDM 16QAM	1	1	21.32	21.28	21.44	22.50
	DFT-s-OFDM 64QAM	1	1	19.91	19.91	19.77	21.00
	DFT-s-OFDM 256QAM	1	1	18.14	18.06	17.82	18.50
	CP-OFDM QPSK	1	1	21.03	20.99	21.27	22.00
	CP-OFDM 16QAM	1	1	20.42	20.52	20.54	21.50
	CP-OFDM 64QAM	1	1	18.90	18.84	18.76	20.00
	CP-OFDM 256QAM	1	1	16.27	15.91	15.93	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				638000/3570	641666/3624.99	645332/3679.98	
40MHz	DFT-s-OFDM BPSK	1	1	22.57	22.49	22.49	23.50
		1	104	22.46	22.54	22.30	23.50
		50	25	22.63	22.63	22.49	23.50
		100	0	22.06	21.88	21.90	23.00
	DFT-s-OFDM QPSK	1	1	22.54	22.44	22.42	23.50
		1	104	22.56	22.36	22.40	23.50
		50	25	22.60	22.56	22.54	23.50

		100	0	21.51	21.43	21.53	22.50
	DFT-s-OFDM 16QAM	1	1	21.56	21.48	21.50	22.50
	DFT-s-OFDM 64QAM	1	1	20.13	19.97	19.93	21.00
	DFT-s-OFDM 256QAM	1	1	18.02	18.14	17.94	18.50
	CP-OFDM QPSK	1	1	20.97	20.99	20.95	22.00
	CP-OFDM 16QAM	1	1	20.52	20.30	20.36	21.50
	CP-OFDM 64QAM	1	1	18.94	18.78	18.68	20.00
	CP-OFDM 256QAM	1	1	16.09	15.95	15.95	17.00
n66							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.69	22.75	22.71	23.50
		1	23	22.88	22.84	23.02	23.50
		12	6	22.83	22.87	23.01	23.50
		25	0	22.51	22.35	22.37	23.00
	DFT-s-OFDM QPSK	1	1	22.52	22.66	22.58	23.50
		1	23	22.80	22.90	23.00	23.50
		12	6	23.00	22.88	22.96	23.50
		25	0	21.93	21.95	21.81	22.50
	DFT-s-OFDM 16QAM	1	1	21.68	21.72	21.86	22.50
	DFT-s-OFDM 64QAM	1	1	20.39	20.51	20.55	21.00
	DFT-s-OFDM 256QAM	1	1	17.64	17.70	17.72	18.50
	CP-OFDM QPSK	1	1	21.29	21.51	21.45	22.00
	CP-OFDM 16QAM	1	1	21.06	21.14	21.06	21.50
	CP-OFDM 64QAM	1	1	19.08	19.10	18.92	20.00
CP-OFDM 256QAM	1	1	15.89	15.79	15.87	17.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
10MHz	DFT-s-OFDM	1	1	22.55	22.85	22.65	23.50

	BPSK	1	50	23.24	22.76	22.86	23.50
		25	12	22.97	23.03	22.73	23.50
		50	0	22.27	22.21	22.09	23.00
	DFT-s-OFDM QPSK	1	1	22.78	22.48	22.56	23.50
		1	50	22.56	22.98	22.78	23.50
		25	12	22.84	22.84	22.74	23.50
		50	0	21.81	21.57	22.15	22.50
	DFT-s-OFDM 16QAM	1	1	21.58	21.74	21.72	22.50
	DFT-s-OFDM 64QAM	1	1	20.25	20.53	20.15	21.00
	DFT-s-OFDM 256QAM	1	1	17.76	17.74	17.74	18.50
	CP-OFDM QPSK	1	1	21.37	21.27	21.25	22.00
	CP-OFDM 16QAM	1	1	21.08	20.96	21.18	21.50
	CP-OFDM 64QAM	1	1	19.00	19.08	18.90	20.00
	CP-OFDM 256QAM	1	1	15.85	15.93	15.81	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.77	22.45	22.43	23.50
		1	77	23.12	22.96	23.14	23.50
		36	18	22.93	23.09	22.97	23.50
		75	0	22.33	22.33	22.25	23.00
	DFT-s-OFDM QPSK	1	1	22.56	22.40	22.38	23.50
		1	77	23.02	22.96	22.76	23.50
		36	18	22.78	22.78	22.68	23.50
		75	0	21.95	21.81	21.73	22.50
	DFT-s-OFDM 16QAM	1	1	21.72	21.70	21.70	22.50
	DFT-s-OFDM 64QAM	1	1	20.59	20.51	20.51	21.00
	DFT-s-OFDM 256QAM	1	1	17.76	17.80	17.90	18.50
	CP-OFDM QPSK	1	1	21.43	21.51	21.37	22.00
	CP-OFDM 16QAM	1	1	21.12	21.06	21.04	21.50
	CP-OFDM 64QAM	1	1	19.08	19.12	18.80	20.00

	CP-OFDM 256QAM	1	1	16.11	15.83	15.97	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	22.51	22.47	22.71	23.50
		1	104	22.90	23.04	23.00	23.50
		50	25	22.83	23.09	22.87	23.50
		100	0	22.25	22.25	22.33	23.00
	DFT-s-OFDM QPSK	1	1	22.86	22.76	22.76	23.50
		1	104	23.10	23.16	23.00	23.50
		50	25	23.12	23.04	23.20	23.50
		100	0	22.25	22.07	22.13	22.50
	DFT-s-OFDM 16QAM	1	1	21.72	21.94	21.68	22.50
	DFT-s-OFDM 64QAM	1	1	20.67	20.61	20.51	21.00
	DFT-s-OFDM 256QAM	1	1	17.70	17.70	17.84	18.50
	CP-OFDM QPSK	1	1	21.49	21.27	21.25	22.00
	CP-OFDM 16QAM	1	1	21.20	21.02	21.00	21.50
	CP-OFDM 64QAM	1	1	19.00	19.08	18.88	20.00
	CP-OFDM 256QAM	1	1	15.87	16.01	15.77	17.00
n71							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				133100/665.5	136100/680.5	139100/695.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.74	22.70	22.74	23.50
		1	23	22.82	22.66	22.86	23.50
		12	6	22.70	22.76	22.60	23.50
		25	0	22.23	22.09	22.21	23.00
	DFT-s-OFDM QPSK	1	1	22.65	22.65	22.77	23.50
		1	23	22.86	22.60	22.64	23.50
		12	6	22.62	22.72	22.80	23.50
		25	0	21.72	21.74	21.70	22.50
	DFT-s-OFDM 16QAM	1	1	21.74	21.70	21.84	22.50
	DFT-s-OFDM 64QAM	1	1	20.28	20.34	20.44	21.00
	DFT-s-OFDM 256QAM	1	1	17.54	17.32	17.38	18.50

	CP-OFDM QPSK	1	1	21.40	21.30	21.42	22.00
	CP-OFDM 16QAM	1	1	20.98	21.14	21.18	21.50
	CP-OFDM 64QAM	1	1	18.87	18.89	18.83	20.00
	CP-OFDM 256QAM	1	1	15.69	15.61	15.69	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				133600/668	136100/680.5	138600/693	
10MHz	DFT-s-OFDM BPSK	1	1	22.68	22.64	22.56	23.50
		1	50	22.72	22.70	22.78	23.50
		25	12	22.80	22.68	22.62	23.50
		50	0	21.91	22.01	21.77	23.00
	DFT-s-OFDM QPSK	1	1	22.85	22.77	22.79	23.50
		1	50	23.02	22.52	22.56	23.50
		25	12	23.02	22.60	22.72	23.50
		50	0	21.60	21.74	21.54	22.50
	DFT-s-OFDM 16QAM	1	1	21.94	21.58	21.60	22.50
	DFT-s-OFDM 64QAM	1	1	20.48	20.08	20.60	21.00
	DFT-s-OFDM 256QAM	1	1	17.34	17.50	17.16	18.50
	CP-OFDM QPSK	1	1	21.26	21.54	21.14	22.00
	CP-OFDM 16QAM	1	1	21.00	20.86	21.16	21.50
	CP-OFDM 64QAM	1	1	19.09	19.19	19.11	20.00
	CP-OFDM 256QAM	1	1	15.47	15.61	15.59	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134100/670.5	136100/680.5	138100/690.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.66	22.58	22.56	23.50
		1	77	22.84	22.70	22.74	23.50
		36	18	22.74	22.68	22.70	23.50
		75	0	22.33	22.11	21.95	23.00
	DFT-s-OFDM QPSK	1	1	22.79	22.85	22.89	23.50
		1	77	22.66	22.52	22.92	23.50
		36	18	22.76	22.60	22.58	23.50
		75	0	21.58	21.52	21.92	22.50
	DFT-s-OFDM 16QAM	1	1	21.56	21.70	21.64	22.50

	DFT-s-OFDM 64QAM	1	1	20.16	20.50	20.18	21.00
	DFT-s-OFDM 256QAM	1	1	17.22	17.40	17.32	18.50
	CP-OFDM QPSK	1	1	21.44	21.18	21.46	22.00
	CP-OFDM 16QAM	1	1	21.10	21.18	21.26	21.50
	CP-OFDM 64QAM	1	1	18.79	18.95	18.91	20.00
	CP-OFDM 256QAM	1	1	15.69	15.55	15.65	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134600/673	136100/680.5	137600/688	
20MHz	DFT-s-OFDM BPSK	1	1	22.76	22.80	22.72	23.50
		1	104	22.72	22.64	22.80	23.50
		50	25	22.70	22.72	22.62	23.50
		100	0	22.09	22.11	22.29	23.00
	DFT-s-OFDM QPSK	1	1	22.67	22.67	22.59	23.50
		1	104	22.84	22.74	22.66	23.50
		50	25	22.74	22.86	22.76	23.50
		100	0	21.74	21.74	21.88	22.50
	DFT-s-OFDM 16QAM	1	1	21.68	21.72	21.70	22.50
	DFT-s-OFDM 64QAM	1	1	20.36	20.40	20.50	21.00
	DFT-s-OFDM 256QAM	1	1	17.48	17.42	17.52	18.50
	CP-OFDM QPSK	1	1	21.28	21.14	21.42	22.00
	CP-OFDM 16QAM	1	1	21.16	21.04	20.94	21.50
	CP-OFDM 64QAM	1	1	18.97	18.89	18.99	20.00
	CP-OFDM 256QAM	1	1	15.45	15.63	15.51	17.00
n77 PC2							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				630666/3460	633332/3500	635998/3540	
20MHz	DFT-s-OFDM BPSK	1	1	22.97	22.83	22.83	24.00
		1	49	22.92	23.04	22.80	24.00
		25	12	22.74	23.02	22.68	24.00
		50	0	22.11	22.39	22.11	23.50

	DFT-s-OFDM QPSK	1	1	23.08	22.88	22.84	24.00
		1	49	22.80	22.98	23.00	24.00
		25	12	22.72	23.12	22.82	24.00
		50	0	21.65	22.07	21.91	23.00
	DFT-s-OFDM 16QAM	1	1	21.82	21.94	21.86	23.00
	DFT-s-OFDM 64QAM	1	1	20.56	20.20	20.54	21.50
	DFT-s-OFDM 256QAM	1	1	18.52	18.60	18.36	19.50
	CP-OFDM QPSK	1	1	21.47	21.47	21.39	22.50
	CP-OFDM 16QAM	1	1	20.96	20.76	20.70	22.00
	CP-OFDM 64QAM	1	1	19.28	19.14	19.40	20.50
	CP-OFDM 256QAM	1	1	16.51	16.53	16.35	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				631000/3465	633332/3500	635666/3535	
30MHz	DFT-s-OFDM BPSK	1	1	22.87	22.73	22.81	24.00
		1	76	22.88	22.92	22.72	24.00
		36	18	22.84	22.98	22.72	24.00
		75	0	22.23	22.21	22.21	23.50
	DFT-s-OFDM QPSK	1	1	22.98	22.84	22.72	24.00
		1	76	22.82	22.86	22.84	24.00
		36	18	22.82	22.98	22.70	24.00
		75	0	21.63	21.89	21.91	23.00
	DFT-s-OFDM 16QAM	1	1	21.74	21.94	21.96	23.00
	DFT-s-OFDM 64QAM	1	1	20.50	20.26	20.52	21.50
	DFT-s-OFDM 256QAM	1	1	18.38	18.52	18.40	19.50
	CP-OFDM QPSK	1	1	21.35	21.33	21.33	22.50
	CP-OFDM 16QAM	1	1	20.86	20.76	20.72	22.00
	CP-OFDM 64QAM	1	1	19.20	19.14	19.26	20.50
	CP-OFDM 256QAM	1	1	16.37	16.51	16.31	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				631332/3470	633332/3500	635332/3530	

40MHz	DFT-s-OFDM BPSK	1	1	22.69	22.69	22.83	24.00
		1	104	22.80	22.80	22.76	24.00
		50	25	22.94	23.00	22.82	24.00
		100	0	22.51	22.27	22.35	23.50
	DFT-s-OFDM QPSK	1	1	22.84	22.86	23.08	24.00
		1	104	22.92	22.82	22.94	24.00
		50	25	22.84	22.82	23.02	24.00
		100	0	21.77	21.93	21.81	23.00
	DFT-s-OFDM 16QAM	1	1	21.86	22.02	21.82	23.00
	DFT-s-OFDM 64QAM	1	1	20.38	20.42	20.38	21.50
	DFT-s-OFDM 256QAM	1	1	18.58	18.38	18.44	19.50
	CP-OFDM QPSK	1	1	21.37	21.45	21.41	22.50
	CP-OFDM 16QAM	1	1	20.92	20.80	20.90	22.00
	CP-OFDM 64QAM	1	1	19.12	19.16	19.24	20.50
	CP-OFDM 256QAM	1	1	16.57	16.67	16.41	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				632000/3480	633332/3500	634666/3520	
60MHz	DFT-s-OFDM BPSK	1	1	22.93	22.81	22.77	24.00
		1	160	22.90	23.10	22.80	24.00
		81	40	22.92	23.06	22.58	24.00
		162	0	22.57	22.25	22.49	23.50
	DFT-s-OFDM QPSK	1	1	22.86	23.14	22.84	24.00
		1	160	22.62	22.84	22.88	24.00
		81	40	22.84	23.12	23.06	24.00
		162	0	22.01	21.51	21.69	23.00
	DFT-s-OFDM 16QAM	1	1	21.86	21.72	21.82	23.00
	DFT-s-OFDM 64QAM	1	1	20.22	20.60	20.50	21.50
	DFT-s-OFDM 256QAM	1	1	18.50	18.60	18.46	19.50
	CP-OFDM QPSK	1	1	21.29	21.57	21.39	22.50
	CP-OFDM 16QAM	1	1	20.88	20.78	20.64	22.00
	CP-OFDM 64QAM	1	1	19.16	19.26	19.46	20.50

	CP-OFDM 256QAM	1	1	16.53	16.75	16.21	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				632666/3490	633332/3500	633998/3510	
80MHz	DFT-s-OFDM BPSK	1	1	22.85	22.91	22.81	24.00
		1	215	22.80	22.86	23.04	24.00
		108	54	22.76	22.94	22.82	24.00
		216	0	22.29	22.37	22.25	23.50
	DFT-s-OFDM QPSK	1	1	23.00	22.84	22.82	24.00
		1	215	22.68	22.68	22.66	24.00
		108	54	22.90	23.02	22.80	24.00
		216	0	21.89	21.71	21.97	23.00
	DFT-s-OFDM 16QAM	1	1	22.04	21.82	21.86	23.00
	DFT-s-OFDM 64QAM	1	1	20.54	20.40	20.30	21.50
	DFT-s-OFDM 256QAM	1	1	18.56	18.54	18.30	19.50
	CP-OFDM QPSK	1	1	21.47	21.37	21.55	22.50
	CP-OFDM 16QAM	1	1	20.94	20.80	20.90	22.00
	CP-OFDM 64QAM	1	1	19.28	19.20	19.38	20.50
	CP-OFDM 256QAM	1	1	16.43	16.57	16.55	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	633332/3500	/	
100MHz	DFT-s-OFDM BPSK	1	1	/	22.79	/	24.00
		1	271	/	22.86	/	24.00
		135	67	/	22.88	/	24.00
		270	0	/	22.37	/	23.50
	DFT-s-OFDM QPSK	1	1	/	22.92	/	24.00
		1	271	/	22.78	/	24.00
		135	67	/	22.90	/	24.00
		270	0	/	21.81	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.88	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.42	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.42	/	19.50
	CP-OFDM QPSK	1	1	/	21.37	/	22.50

	CP-OFDM 16QAM	1	1	/	20.80	/	22.00
	CP-OFDM 64QAM	1	1	/	19.20	/	20.50
	CP-OFDM 256QAM	1	1	/	16.51	/	17.50
n77 PC2							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				647334/3710	656000/3840	664666/3970	
20MHz	DFT-s-OFDM BPSK	1	1	23.56	23.12	23.46	24.00
		1	49	23.26	23.30	23.80	24.00
		25	12	23.03	22.97	23.39	24.00
		50	0	22.81	22.55	22.87	23.50
	DFT-s-OFDM QPSK	1	1	23.43	23.65	23.38	24.00
		1	49	23.32	23.24	23.56	24.00
		25	12	22.96	23.18	23.75	24.00
		50	0	22.41	22.47	22.44	23.00
	DFT-s-OFDM 16QAM	1	1	22.01	22.11	22.39	23.00
	DFT-s-OFDM 64QAM	1	1	20.76	20.92	21.00	21.50
	DFT-s-OFDM 256QAM	1	1	18.68	18.50	19.01	19.50
	CP-OFDM QPSK	1	1	21.42	21.60	21.78	22.50
	CP-OFDM 16QAM	1	1	21.08	21.24	21.53	22.00
	CP-OFDM 64QAM	1	1	19.34	19.72	19.92	20.50
CP-OFDM 256QAM	1	1	16.60	16.56	17.12	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				647667/3715	656000/3840	664333/3965	
30MHz	DFT-s-OFDM BPSK	1	1	23.46	23.22	23.52	24.00
		1	76	23.36	23.14	23.64	24.00
		36	18	23.11	23.09	23.33	24.00
		75	0	22.63	22.51	22.83	23.50
	DFT-s-OFDM QPSK	1	1	23.55	23.61	23.22	24.00
		1	76	23.22	23.18	23.52	24.00
		36	18	23.04	23.30	23.59	24.00
		75	0	22.23	22.29	22.44	23.00
	DFT-s-OFDM 16QAM	1	1	22.09	22.05	22.51	23.00

	DFT-s-OFDM 64QAM	1	1	20.64	20.80	20.92	21.50
	DFT-s-OFDM 256QAM	1	1	18.54	18.52	18.91	19.50
	CP-OFDM QPSK	1	1	21.50	21.62	21.88	22.50
	CP-OFDM 16QAM	1	1	20.92	21.22	21.35	22.00
	CP-OFDM 64QAM	1	1	19.34	19.62	19.90	20.50
	CP-OFDM 256QAM	1	1	16.56	16.58	17.04	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				648000/3720	656000/3840	664000/3960	
40MHz	DFT-s-OFDM BPSK	1	1	23.34	23.36	23.58	24.00
		1	104	23.20	23.34	23.68	24.00
		50	25	23.17	22.95	23.45	24.00
		100	0	22.59	22.53	22.89	23.50
	DFT-s-OFDM QPSK	1	1	23.41	23.55	23.42	24.00
		1	104	23.46	23.30	23.60	24.00
		50	25	23.16	23.22	23.65	24.00
		100	0	22.39	22.41	22.56	23.00
	DFT-s-OFDM 16QAM	1	1	22.25	22.11	22.69	23.00
	DFT-s-OFDM 64QAM	1	1	20.72	20.80	21.12	21.50
	DFT-s-OFDM 256QAM	1	1	18.64	18.78	19.11	19.50
	CP-OFDM QPSK	1	1	21.52	21.80	21.98	22.50
	CP-OFDM 16QAM	1	1	20.98	21.06	21.41	22.00
	CP-OFDM 64QAM	1	1	19.40	19.44	20.02	20.50
	CP-OFDM 256QAM	1	1	16.74	16.66	17.08	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				648666/3730	656000/3840	663334/3950	
60MHz	DFT-s-OFDM BPSK	1	1	23.74	23.60	23.34	24.00
		1	160	23.22	22.92	23.64	24.00
		81	40	23.19	23.13	23.67	24.00
		162	0	22.69	22.61	22.79	23.50
	DFT-s-OFDM QPSK	1	1	23.29	23.59	23.30	24.00
		1	160	23.22	23.46	23.84	24.00

		81	40	23.12	23.62	23.61	24.00
		162	0	22.19	22.59	22.68	23.00
	DFT-s-OFDM 16QAM	1	1	22.19	22.39	22.61	23.00
	DFT-s-OFDM 64QAM	1	1	20.50	20.66	21.18	21.50
	DFT-s-OFDM 256QAM	1	1	18.46	18.66	19.09	19.50
	CP-OFDM QPSK	1	1	21.54	21.62	21.76	22.50
	CP-OFDM 16QAM	1	1	21.00	21.04	21.37	22.00
	CP-OFDM 64QAM	1	1	19.32	19.52	20.00	20.50
	CP-OFDM 256QAM	1	1	16.60	16.68	16.78	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				649334/3740	656000/3840	662666/3940	
80MHz	DFT-s-OFDM BPSK	1	1	23.50	23.50	23.46	24.00
		1	215	23.20	23.32	23.72	24.00
		108	54	23.15	22.97	23.67	24.00
		216	0	22.61	22.71	23.07	23.50
	DFT-s-OFDM QPSK	1	1	23.49	23.57	23.28	24.00
		1	215	23.18	23.16	23.56	24.00
		108	54	23.14	23.48	23.55	24.00
		216	0	22.45	22.39	22.36	23.00
	DFT-s-OFDM 16QAM	1	1	22.01	22.05	22.45	23.00
	DFT-s-OFDM 64QAM	1	1	20.48	20.80	21.22	21.50
	DFT-s-OFDM 256QAM	1	1	18.76	18.78	19.03	19.50
	CP-OFDM QPSK	1	1	21.46	21.58	22.24	22.50
	CP-OFDM 16QAM	1	1	21.16	21.34	21.43	22.00
	CP-OFDM 64QAM	1	1	19.50	19.74	20.10	20.50
	CP-OFDM 256QAM	1	1	16.54	16.68	17.14	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				650000/3750	656000/3840	662000/3930	
100MHz	DFT-s-OFDM BPSK	1	1	23.58	23.48	23.60	24.00
		1	271	23.38	23.36	23.58	24.00

		135	67	23.11	23.05	23.61	24.00
		270	0	22.63	22.55	22.87	23.50
	DFT-s-OFDM QPSK	1	1	23.63	23.60	23.40	24.00
		1	271	23.30	23.32	23.52	24.00
		135	67	23.34	23.22	23.47	24.00
		270	0	22.33	22.19	22.36	23.00
	DFT-s-OFDM 16QAM	1	1	22.25	22.21	22.63	23.00
	DFT-s-OFDM 64QAM	1	1	20.70	20.72	21.14	21.50
	DFT-s-OFDM 256QAM	1	1	18.66	18.70	19.03	19.50
	CP-OFDM QPSK	1	1	21.72	21.94	22.24	22.50
	CP-OFDM 16QAM	1	1	21.18	21.18	21.39	22.00
	CP-OFDM 64QAM	1	1	19.60	19.46	19.76	20.50
	CP-OFDM 256QAM	1	1	16.66	16.64	17.04	17.50
	n78 PC2						
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				630666/3460	633332/3500	635998/3540	
20MHz	DFT-s-OFDM BPSK	1	1	22.79	22.99	23.05	24.00
		1	49	22.75	22.95	22.67	24.00
		25	12	22.95	22.91	22.85	24.00
		50	0	22.48	22.36	22.36	23.50
	DFT-s-OFDM QPSK	1	1	23.00	23.06	22.76	24.00
		1	49	22.94	22.74	22.78	24.00
		25	12	23.02	22.96	22.84	24.00
		50	0	21.81	21.85	22.03	23.00
	DFT-s-OFDM 16QAM	1	1	21.89	21.87	21.87	23.00
	DFT-s-OFDM 64QAM	1	1	20.38	20.48	20.56	21.50
	DFT-s-OFDM 256QAM	1	1	18.46	18.44	18.46	19.50
	CP-OFDM QPSK	1	1	21.33	21.37	21.49	22.50
	CP-OFDM 16QAM	1	1	20.75	20.87	20.83	22.00
	CP-OFDM 64QAM	1	1	19.23	19.29	19.33	20.50

	CP-OFDM 256QAM	1	1	16.34	16.56	16.50	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				631000/3465	633332/3500	635666/3535	
30MHz	DFT-s-OFDM BPSK	1	1	22.87	23.01	23.01	24.00
		1	76	23.03	22.99	22.79	24.00
		36	18	23.05	22.97	23.01	24.00
		75	0	22.48	22.60	22.46	23.50
	DFT-s-OFDM QPSK	1	1	22.98	22.86	22.96	24.00
		1	76	22.88	22.78	22.86	24.00
		36	18	22.96	22.96	23.06	24.00
		75	0	21.87	21.95	21.93	23.00
	DFT-s-OFDM 16QAM	1	1	21.87	21.95	21.91	23.00
	DFT-s-OFDM 64QAM	1	1	20.58	20.68	20.64	21.50
	DFT-s-OFDM 256QAM	1	1	18.56	18.54	18.62	19.50
	CP-OFDM QPSK	1	1	21.57	21.49	21.49	22.50
	CP-OFDM 16QAM	1	1	20.85	20.83	20.83	22.00
	CP-OFDM 64QAM	1	1	19.15	19.27	19.21	20.50
	CP-OFDM 256QAM	1	1	16.62	16.62	16.50	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				631332/3470	633332/3500	635332/3530	
40MHz	DFT-s-OFDM BPSK	1	1	23.01	23.05	22.95	24.00
		1	104	23.09	22.97	22.87	24.00
		50	25	22.93	23.03	22.73	24.00
		100	0	22.74	22.60	22.64	23.50
	DFT-s-OFDM QPSK	1	1	23.02	22.84	22.80	24.00
		1	104	23.02	22.74	22.90	24.00
		50	25	22.72	23.12	23.00	24.00
		100	0	21.71	22.19	21.95	23.00
	DFT-s-OFDM 16QAM	1	1	21.75	21.75	22.09	23.00
	DFT-s-OFDM 64QAM	1	1	20.30	20.50	20.62	21.50
	DFT-s-OFDM 256QAM	1	1	18.48	18.64	18.48	19.50
	CP-OFDM QPSK	1	1	21.39	21.37	21.41	22.50

	CP-OFDM 16QAM	1	1	21.21	20.97	20.75	22.00
	CP-OFDM 64QAM	1	1	19.17	19.45	18.93	20.50
	CP-OFDM 256QAM	1	1	16.22	16.18	16.28	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				632000/3480	633332/3500	634666/3520	
60MHz	DFT-s-OFDM BPSK	1	1	23.09	23.13	23.17	24.00
		1	160	22.83	22.75	22.85	24.00
		81	40	22.83	22.79	23.15	24.00
		162	0	22.56	22.66	22.54	23.50
	DFT-s-OFDM QPSK	1	1	22.86	23.14	22.82	24.00
		1	160	22.86	23.10	22.84	24.00
		81	40	23.04	23.00	22.86	24.00
		162	0	21.87	21.81	21.85	23.00
	DFT-s-OFDM 16QAM	1	1	22.13	22.13	22.01	23.00
	DFT-s-OFDM 64QAM	1	1	20.46	20.52	20.72	21.50
	DFT-s-OFDM 256QAM	1	1	18.52	18.38	18.42	19.50
	CP-OFDM QPSK	1	1	21.73	21.35	21.67	22.50
	CP-OFDM 16QAM	1	1	20.95	20.77	20.93	22.00
	CP-OFDM 64QAM	1	1	19.09	19.15	19.31	20.50
	CP-OFDM 256QAM	1	1	16.64	16.46	16.68	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				632666/3490	633332/3500	633998/3510	
80MHz	DFT-s-OFDM BPSK	1	1	23.01	22.89	23.07	24.00
		1	215	22.77	23.03	22.93	24.00
		108	54	22.91	23.09	23.03	24.00
		216	0	22.40	22.46	22.52	23.50
	DFT-s-OFDM QPSK	1	1	23.02	23.14	23.12	24.00
		1	215	22.90	22.96	22.76	24.00
		108	54	22.90	23.02	22.90	24.00
		216	0	22.13	21.93	21.95	23.00
	DFT-s-OFDM 16QAM	1	1	21.95	21.89	21.93	23.00
	DFT-s-OFDM 64QAM	1	1	20.64	20.70	20.70	21.50

	DFT-s-OFDM 256QAM	1	1	18.42	18.50	18.68	19.50
	CP-OFDM QPSK	1	1	21.61	21.67	21.55	22.50
	CP-OFDM 16QAM	1	1	20.89	20.93	20.93	22.00
	CP-OFDM 64QAM	1	1	19.39	19.15	19.39	20.50
	CP-OFDM 256QAM	1	1	16.48	16.42	16.64	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	633332/3500	/	
100MHz	DFT-s-OFDM BPSK	1	1	/	22.97	/	24.00
		1	271	/	22.87	/	24.00
		135	67	/	22.93	/	24.00
		270	0	/	22.44	/	23.50
	DFT-s-OFDM QPSK	1	1	/	22.96	/	24.00
		1	271	/	22.88	/	24.00
		135	67	/	22.94	/	24.00
		270	0	/	21.97	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.93	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.52	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.52	/	19.50
	CP-OFDM QPSK	1	1	/	21.51	/	22.50
	CP-OFDM 16QAM	1	1	/	20.91	/	22.00
	CP-OFDM 64QAM	1	1	/	19.25	/	20.50
	CP-OFDM 256QAM	1	1	/	16.54	/	17.50
n78 PC2							
Full Power-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				647334/3710.01	633332/3500	652666/3789.99	
20MHz	DFT-s-OFDM BPSK	1	1	23.41	23.43	23.37	24.00
		1	49	23.19	23.23	22.97	24.00
		25	12	22.89	23.27	23.13	24.00
		50	0	22.76	22.50	22.66	23.50
	DFT-s-OFDM QPSK	1	1	23.61	23.31	23.33	24.00
		1	49	23.37	23.27	23.15	24.00

		25	12	23.04	23.02	23.24	24.00
		50	0	22.21	22.39	22.13	23.00
	DFT-s-OFDM 16QAM	1	1	21.80	21.76	21.84	23.00
	DFT-s-OFDM 64QAM	1	1	20.48	20.70	20.72	21.50
	DFT-s-OFDM 256QAM	1	1	18.35	18.33	18.75	19.50
	CP-OFDM QPSK	1	1	21.37	21.73	21.65	22.50
	CP-OFDM 16QAM	1	1	20.78	21.12	21.04	22.00
	CP-OFDM 64QAM	1	1	19.48	19.48	19.38	20.50
	CP-OFDM 256QAM	1	1	16.68	16.78	16.68	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				647666/3715	650000/3750	652333/3785	
30MHz	DFT-s-OFDM BPSK	1	1	23.29	23.45	23.35	24.00
		1	76	23.13	23.17	23.31	24.00
		36	18	22.85	23.13	22.91	24.00
		75	0	22.82	22.64	22.64	23.50
	DFT-s-OFDM QPSK	1	1	23.37	23.55	23.55	24.00
		1	76	23.01	23.17	23.27	24.00
		36	18	23.14	22.90	22.98	24.00
		75	0	22.13	22.35	22.25	23.00
	DFT-s-OFDM 16QAM	1	1	22.04	22.20	22.10	23.00
	DFT-s-OFDM 64QAM	1	1	20.60	20.66	20.54	21.50
	DFT-s-OFDM 256QAM	1	1	18.55	18.43	18.41	19.50
	CP-OFDM QPSK	1	1	21.59	21.39	21.63	22.50
	CP-OFDM 16QAM	1	1	20.82	20.90	21.04	22.00
	CP-OFDM 64QAM	1	1	19.36	19.32	19.32	20.50
	CP-OFDM 256QAM	1	1	16.66	16.56	16.66	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				648000/3720	650000/3750	652000/3780	
40MHz	DFT-s-OFDM BPSK	1	1	23.41	23.59	23.45	24.00
		1	104	23.21	23.21	23.35	24.00

		50	25	22.97	22.95	22.99	24.00
		100	0	22.78	22.92	22.78	23.50
	DFT-s-OFDM QPSK	1	1	23.43	23.53	23.57	24.00
		1	104	23.35	23.35	23.21	24.00
		50	25	23.12	23.08	23.16	24.00
		100	0	22.25	22.27	22.19	23.00
	DFT-s-OFDM 16QAM	1	1	22.14	22.10	22.02	23.00
	DFT-s-OFDM 64QAM	1	1	20.70	20.66	20.64	21.50
	DFT-s-OFDM 256QAM	1	1	18.55	18.63	18.59	19.50
	CP-OFDM QPSK	1	1	21.51	21.73	21.69	22.50
	CP-OFDM 16QAM	1	1	21.14	20.92	20.98	22.00
	CP-OFDM 64QAM	1	1	19.52	19.36	19.36	20.50
	CP-OFDM 256QAM	1	1	16.70	16.80	16.76	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				648666/3730	650000/3750	651334/3770	
60MHz	DFT-s-OFDM BPSK	1	1	23.33	23.45	23.27	24.00
		1	160	23.33	23.33	23.23	24.00
		81	40	23.03	23.03	22.89	24.00
		162	0	22.58	22.68	22.62	23.50
	DFT-s-OFDM QPSK	1	1	23.45	23.69	23.53	24.00
		1	160	23.11	23.35	23.15	24.00
		81	40	23.08	23.12	23.12	24.00
		162	0	22.15	22.41	22.33	23.00
	DFT-s-OFDM 16QAM	1	1	22.04	22.08	22.26	23.00
	DFT-s-OFDM 64QAM	1	1	20.62	20.52	20.56	21.50
	DFT-s-OFDM 256QAM	1	1	18.35	18.61	18.45	19.50
	CP-OFDM QPSK	1	1	21.75	21.43	21.53	22.50
	CP-OFDM 16QAM	1	1	20.88	21.16	21.00	22.00
	CP-OFDM 64QAM	1	1	19.24	19.38	19.26	20.50
	CP-OFDM 256QAM	1	1	16.86	16.76	16.68	17.50

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				649334/3740	650000/3750	650666/3760	
80MHz	DFT-s-OFDM BPSK	1	1	23.41	23.55	23.47	24.00
		1	215	23.11	23.25	23.21	24.00
		108	54	22.95	22.95	23.07	24.00
		216	0	22.88	22.72	22.68	23.50
	DFT-s-OFDM QPSK	1	1	23.61	23.65	23.61	24.00
		1	215	23.35	23.07	23.21	24.00
		108	54	23.24	23.10	23.16	24.00
		216	0	22.21	22.23	22.35	23.00
	DFT-s-OFDM 16QAM	1	1	22.12	22.30	22.12	23.00
	DFT-s-OFDM 64QAM	1	1	20.48	20.58	20.58	21.50
	DFT-s-OFDM 256QAM	1	1	18.45	18.69	18.55	19.50
	CP-OFDM QPSK	1	1	21.49	21.73	21.57	22.50
	CP-OFDM 16QAM	1	1	21.02	21.12	20.88	22.00
	CP-OFDM 64QAM	1	1	19.36	19.50	19.24	20.50
	CP-OFDM 256QAM	1	1	16.76	16.82	16.74	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
100MHz	DFT-s-OFDM BPSK	1	1	/	650000/3750	/	24.00
		1	271	/	23.45	/	24.00
		135	67	/	23.23	/	24.00
		270	0	/	23.03	/	24.00
	DFT-s-OFDM QPSK	1	1	/	22.76	/	23.50
		1	271	/	23.47	/	24.00
		1	271	/	23.19	/	24.00
		135	67	/	23.06	/	24.00
		270	0	/	22.25	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.12	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.56	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.51	/	19.50
	CP-OFDM QPSK	1	1	/	21.59	/	22.50
	CP-OFDM 16QAM	1	1	/	21.00	/	22.00

	CP-OFDM 64QAM	1	1	/	19.36	/	20.50
	CP-OFDM 256QAM	1	1	/	16.66	/	17.50

NTN N255								
Full Power-Main Ant					Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	SCS type	RB allocation	offset	Channel/Frequency(MHz)			
					261504/1626.5	261674/1643.5	261843/1660.4	
180 kHz	BPSK	3.75KHZ	1	0	22.03	22.25	22.29	24.00
			1	47	22.37	22.21	22.17	24.00
		15KHZ	1	0	22.25	22.33	22.27	24.00
			1	11	22.31	22.29	22.43	24.00
	QPSK	3.75KHZ	1	0	22.29	22.43	22.66	24.00
			1	47	22.45	22.35	22.41	24.00
		15KHZ	1	0	22.47	22.25	22.53	24.00
			1	11	22.13	22.23	22.49	24.00
NTN N23								
Full Power-Main Ant					Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	SCS type	RB allocation	offset	Channel/Frequency(MHz)			
					261504/1626.5	261674/1643.5	261843/1660.4	
180 kHz	BPSK	3.75KHZ	1	0	20.49	20.36	20.13	22.00
			1	47	20.16	20.32	20.40	22.00
		15KHZ	1	0	20.13	20.18	20.48	22.00
			1	11	20.42	20.29	20.31	22.00
	QPSK	3.75KHZ	1	0	20.38	20.35	20.37	22.00
			1	47	20.31	20.28	20.29	22.00
		15KHZ	1	0	20.74	20.20	20.37	22.00
			1	11	20.83	20.41	20.26	22.00
			12	0	19.81	19.94	19.79	21.00

9.5 WLAN Mode

Wi-Fi 2.4GHz Full power-Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11b (1M)	1/2412	18.00	16.12
	6/2437	18.00	17.75
	11/2462	18.00	17.51
802.11g (6M)	1/2412	17.50	15.68
	6/2437	18.00	17.74
	11/2462	18.00	17.75
802.11n-HT20 (MCS0)	1/2412	17.00	15.26
	6/2437	18.00	17.37
	11/2462	18.00	17.52
802.11n-HT40 (MCS0)	3/2422	16.00	13.90
	6/2437	18.00	16.51
	9/2452	18.00	16.70
802.11ax VHT20 (MCS0)	1/2412	13.00	10.72
	6/2437	14.00	12.54
	11/2462	14.00	13.80
802.11ax VHT40 (MCS0)	3/2422	11.00	9.90
	6/2437	14.00	12.13
	9/2452	14.00	13.09

Wi-Fi 2.4GHz Full power-Ant10 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11b (1M)	1/2412	18.50	18.14
	6/2437	18.50	16.89
	11/2462	19.00	18.86
802.11g (6M)	1/2412	19.50	19.33
	6/2437	18.00	16.60
	11/2462	19.50	19.36
802.11n-HT20 (MCS0)	1/2412	19.50	18.89
	6/2437	18.00	16.36
	11/2462	19.50	19.35
802.11n-HT40 (MCS0)	3/2422	15.00	14.10
	6/2437	17.00	15.68
	9/2452	17.00	15.61

802.11ax VHT20 (MCS0)	1/2412	13.00	11.46
	6/2437	14.00	12.24
	11/2462	14.00	12.67
802.11ax VHT40 (MCS0)	3/2422	11.00	10.17
	6/2437	14.00	12.13
	9/2452	13.00	10.56

Wi-Fi 2.4GHz Full power-MIMO Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant 2	Ant 10
802.11b (1M)	1/2412	22.00	20.26	16.12	18.14
	6/2437	22.00	20.35	17.75	16.89
	11/2462	22.00	21.25	17.51	18.86
802.11g (6M)	1/2412	22.00	20.89	15.68	19.33
	6/2437	22.00	20.21	17.74	16.60
	11/2462	22.00	21.64	17.75	19.36
802.11n-HT20 (MCS0)	1/2412	22.00	20.45	15.26	18.89
	6/2437	21.00	19.91	17.37	16.36
	11/2462	22.00	21.54	17.52	19.35
802.11n-HT40 (MCS0)	3/2422	19.00	17.01	13.90	14.10
	6/2437	21.00	19.12	16.51	15.68
	9/2452	21.00	19.20	16.70	15.61
802.11ax VHT20 (MCS0)	1/2412	16.00	14.12	10.72	11.46
	6/2437	17.00	15.40	12.54	12.24
	11/2462	17.00	16.28	13.80	12.67
802.11ax VHT40 (MCS0)	3/2422	15.00	13.05	9.90	10.17
	6/2437	17.00	15.14	12.13	12.13
	9/2452	17.00	15.02	13.09	10.56

Wi-Fi 5GHz (U-NII-1) Full power-Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	36/5180	17.50	17.24
	40/5200	17.50	17.12
	48/5240	17.50	17.22
802.11n-HT20 (MCS0)	36/5180	17.00	16.06
	40/5200	17.00	15.91
	48/5240	17.00	16.13
802.11n-HT40	38/5190	17.00	16.07

(MCS0)	46/5230	17.00	16.28
802.11ac-VHT20 (MCS0)	36/5180	17.00	16.05
	40/5200	17.00	15.88
	48/5240	17.00	16.06
802.11ac-VHT40 (MCS0)	38/5190	16.00	15.14
	46/5230	16.00	15.27
802.11ac-VHT80 (MCS0)	42/5210	16.00	15.30
802.11ax-HE20 (MCS0)	36/5180	17.00	16.09
	40/5200	17.00	15.91
	48/5240	17.00	16.11
802.11ax-HE40 (MCS0)	38/5190	17.00	16.03
	46/5230	17.00	16.16
802.11ax-HE80 (MCS0)	42/5210	17.00	16.41

Wi-Fi 5GHz (U-NII-1) Full power-Ant10 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	36/5180	18.00	17.77
	40/5200	18.00	17.45
	48/5240	18.00	17.30
802.11n-HT20 (MCS0)	36/5180	17.00	16.77
	40/5200	17.00	16.51
	48/5240	17.00	16.27
802.11n-HT40 (MCS0)	38/5190	17.00	16.58
	46/5230	17.00	16.41
802.11ac-VHT20 (MCS0)	36/5180	17.00	16.71
	40/5200	17.00	16.42
	48/5240	17.00	16.24
802.11ac-VHT40 (MCS0)	38/5190	16.00	15.52
	46/5230	16.00	15.34
802.11ac-VHT80 (MCS0)	42/5210	16.00	15.42
802.11ax-HE20 (MCS0)	36/5180	17.00	16.69
	40/5200	17.00	16.40
	48/5240	17.00	16.25
802.11ax-HE40 (MCS0)	38/5190	17.00	16.51
	46/5230	17.00	16.27
802.11ax-HE80	42/5210	17.00	16.57

(MCS0)			
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Wi-Fi 5GHz (U-NII-1) Full power-MIMO Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant 2	Ant 10
802.11a (6M)	36/5180	21.00	20.52	17.24	17.77
	40/5200	21.00	20.29	17.12	17.45
	48/5240	21.00	20.27	17.22	17.30
802.11n-HT20 (MCS0)	36/5180	20.00	19.44	16.06	16.77
	40/5200	20.00	19.23	15.91	16.51
	48/5240	20.00	19.21	16.13	16.27
802.11n-HT40 (MCS0)	38/5190	20.00	19.34	16.07	16.58
	46/5230	20.00	19.35	16.28	16.41
802.11ac-VHT20 (MCS0)	36/5180	20.00	19.40	16.05	16.71
	40/5200	20.00	19.17	15.88	16.42
	48/5240	20.00	19.16	16.06	16.24
802.11ac-VHT40 (MCS0)	38/5190	19.00	18.34	15.14	15.52
	46/5230	19.00	18.31	15.27	15.34
802.11ac-VHT80 (MCS0)	42/5210	19.00	18.37	15.30	15.42
802.11ax-HE20 (MCS0)	36/5180	20.00	19.41	16.09	16.69
	40/5200	20.00	19.17	15.91	16.40
	48/5240	20.00	19.19	16.11	16.25
802.11ax-HE40 (MCS0)	38/5190	20.00	19.29	16.03	16.51
	46/5230	20.00	19.23	16.16	16.27
802.11ax-HE80 (MCS0)	42/5210	20.00	19.50	16.41	16.57

Wi-Fi 5GHz (U-NII-3) Full power-Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	149/5745	17.50	16.67
	157/5785	17.50	16.39
	165/5825	17.50	16.55
802.11n-HT20 (MCS0)	149/5745	17.00	15.81
	157/5785	17.00	15.34
	165/5825	17.00	15.42
802.11n-HT40 (MCS0)	151/5755	17.00	15.95
	159/5795	17.00	15.66

802.11ac-VHT20 (MCS0)	149/5745	17.00	15.89
	157/5785	17.00	15.42
	165/5825	17.00	15.56
802.11ac-VHT40 (MCS0)	151/5755	16.00	14.87
	159/5795	16.00	14.51
802.11ac-VHT80 (MCS0)	155/5775	16.00	14.57
802.11ax-HE20 (MCS0)	149/5745	17.00	15.94
	157/5785	17.00	15.48
	165/5825	17.00	15.59
802.11ax-HE40 (MCS0)	151/5755	17.00	15.78
	159/5795	17.00	15.51
802.11ax-HE80 (MCS0)	155/5775	17.00	15.68

Wi-Fi 5GHz (U-NII-3) Full power-Ant10 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	149/5745	18.00	17.01
	157/5785	18.00	17.71
	165/5825	18.00	17.37
802.11n-HT20 (MCS0)	149/5745	17.00	15.49
	157/5785	17.00	15.52
	165/5825	17.00	15.28
802.11n-HT40 (MCS0)	151/5755	17.00	15.58
	159/5795	17.00	15.72
802.11ac-VHT20 (MCS0)	149/5745	17.00	15.56
	157/5785	17.00	15.62
	165/5825	17.00	15.41
802.11ac-VHT40 (MCS0)	151/5755	16.00	14.54
	159/5795	16.00	14.35
802.11ac-VHT80 (MCS0)	155/5775	16.00	14.65
802.11ax-HE20 (MCS0)	149/5745	17.00	15.66
	157/5785	17.00	15.75
	165/5825	17.00	15.56
802.11ax-HE40 (MCS0)	151/5755	17.00	15.46
	159/5795	17.00	15.56
802.11ax-HE80 (MCS0)	155/5775	17.00	15.99

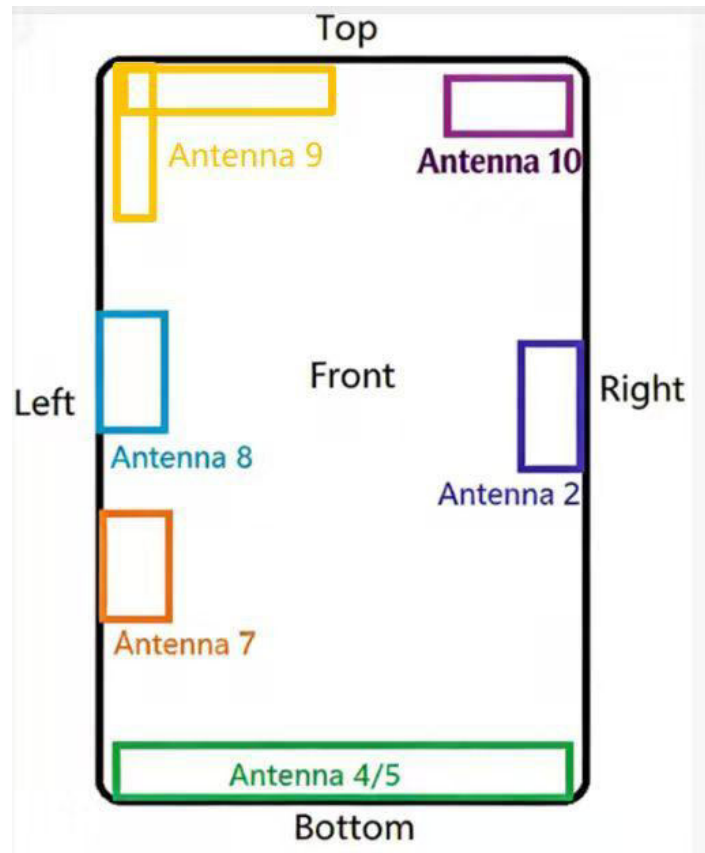
Wi-Fi 5GHz (U-NII-3) Full power-MIMO Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant 2	Ant 10
802.11a (6M)	149/5745	21.00	19.85	16.67	17.01
	157/5785	21.00	20.11	16.39	17.71
	165/5825	21.00	19.99	16.55	17.37
802.11n-HT20 (MCS0)	149/5745	20.00	18.67	15.81	15.49
	157/5785	20.00	18.44	15.34	15.52
	165/5825	20.00	18.36	15.42	15.28
802.11n-HT40 (MCS0)	151/5755	20.00	18.78	15.95	15.58
	159/5795	20.00	18.70	15.66	15.72
802.11ac-VHT20 (MCS0)	149/5745	20.00	18.74	15.89	15.56
	157/5785	20.00	18.53	15.42	15.62
	165/5825	20.00	18.49	15.56	15.41
802.11ac-VHT40 (MCS0)	151/5755	19.00	17.72	14.87	14.54
	159/5795	19.00	17.44	14.51	14.35
802.11ac-VHT80 (MCS0)	155/5775	19.00	17.62	14.57	14.65
802.11ax-HE20 (MCS0)	149/5745	20.00	18.81	15.94	15.66
	157/5785	20.00	18.63	15.48	15.75
	165/5825	20.00	18.58	15.59	15.56
802.11ax-HE40 (MCS0)	151/5755	20.00	18.63	15.78	15.46
	159/5795	20.00	18.55	15.51	15.56
802.11ax-HE80 (MCS0)	155/5775	20.00	18.85	15.68	15.99

9.6 Bluetooth Mode

Bluetooth	Conducted Power(dBm)				
	Channel/Frequency(MHz)				
	Ch 0/2402 MHz	Ch 39/2441 MHz	Tune-up Limit (dBm)	Ch 78/2480 MHz	Tune-up Limit (dBm)
GFSK	9.56	9.68	11.00	12.71	13.00
$\pi/4$ DQPSK	6.24	5.79	8.00	8.42	10.00
8DPSK	6.41	6.10	8.00	8.71	10.00
BLE	Ch 0/2402 MHz	Ch 19/2440 MHz	Tune-up Limit (dBm)	Ch 39/2480 MHz	Tune-up Limit (dBm)
GFSK(1M)	6.28	6.18	8.00	8.71	10.00
GFSK(2M)	6.36	6.08	8.00	8.69	10.00

10 Measured and Reported (Scaled) SAR Results

10.1 EUT Antenna Locations



Band	Antenna1	Antenna2
WCDMA II	ANT4/5	/
WCDMA IV	ANT4/5	/
WCDMA V	ANT4/5	/
LTE B2	ANT4/5	/
LTE B4	ANT4/5	/
LTE B5	ANT4/5	/
LTE B7	ANT8	/
LTE B12	ANT4/5	/
LTE B14	ANT4/5	/
LTE B17	ANT4/5	/
LTE B25	ANT4/5	/
LTE B38	ANT8	/
LTE B41	ANT8	/
LTE B48	ANT7	/
LTE B66	ANT4/5	/
LTE B71	ANT4/5	/
NR n2	ANT4/5	/
NR n5	ANT4/5	/
NR n7	ANT8	/
NR n12	ANT4/5	/
NR n25	ANT4/5	/
NR n38	ANT4/5	/
NR n41	ANT8	/
NR n48	ANT7	/
NR n66	ANT4/5	/
NR n71	ANT4/5	/
NR n77	ANT7	/
NR n78	ANT7	/
NB IOT n23	ANT9	/
NB IOT n255	ANT9	/
Wi-Fi 2.4GHz	ANT2	ANT10
Wi-Fi 5GHz	ANT2	ANT10
Bluetooth	ANT2	/

Overall (Length x Width): 134 mm x 68mm

Overall Diagonal: 145 mm

Distance of the Antenna to the EUT Surface/Edge

Antenna	Back Side	Front Side	Left Edge	Right Edge	Top Edge	Bottom Edge
Antenna 2	<25mm	<25mm	>25mm	<25mm	>25mm	>25mm
Antenna 4/5	<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
Antenna 7	<25mm	<25mm	<25mm	>25mm	>25mm	>25mm
Antenna 8	<25mm	<25mm	<25mm	>25mm	>25mm	>25mm
Antenna 9	<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
Antenna 10	<25mm	<25mm	>25mm	<25mm	<25mm	>25mm

Hotspot mode, Positions for SAR Tests

Mode	Back Side	Front side	Left Edge	Right Edge	Top Edge	Bottom Edge
Antenna 2	Yes	Yes	N/A	Yes	N/A	N/A
Antenna 4/5	Yes	Yes	Yes	Yes	N/A	Yes
Antenna 7	Yes	Yes	Yes	N/A	N/A	N/A
Antenna 8	Yes	Yes	Yes	N/A	N/A	N/A
Antenna 9	Yes	Yes	Yes	N/A	Yes	N/A
Antenna 10	Yes	Yes	N/A	Yes	Yes	N/A

Note:

1. Per KDB 941225 D06, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test distance is 10mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.

2. Per FCC KDB 447498 D01, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

a) $\leq 0.8 \text{ W/kg}$ or 2.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\leq 100\text{MHz}$

b) $\leq 0.6 \text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.

c) $\leq 0.4 \text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200 \text{ MHz}$.

3. When the original highest measured SAR is $\geq 0.80 \text{ W/kg}$, the measurement was repeated once.

10.2 Measured SAR Results

Note:

1. The value with blue color is the maximum SAR Value of each test band.
2. For WCDMA, When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ 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.
3. For LTE, QPSK with 100% RB allocation, SAR is required when and the highest reported SAR for 1 RB and 50% RB allocation in are $\geq 50\%$ limit(1g).

Body-worn & Hotspot SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	Offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
WCDMA II	ANT4/5	Back Side	10	RMC	Full Power	N/A	N/A	9262/1852.4	24.50	24.06	0.857	-0.1	1.11	0.948	/
			10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	0.823	0.170	1.13	0.928	/
			10	RMC	Full Power	N/A	N/A	9538/1907.6	24.50	23.97	0.594	0.082	1.13	0.671	/
		Back Side Repeat	10	RMC	Full Power	N/A	N/A	9262/1852.4	24.50	24.06	0.882	0.022	1.11	0.976	19
		Front Side	10	RMC	Full Power	N/A	N/A	9262/1852.4	24.50	24.06	0.807	0.190	1.11	0.893	/
			10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	0.787	0.022	1.13	0.887	/
			10	RMC	Full Power	N/A	N/A	9538/1907.6	24.50	23.97	0.652	0.014	1.13	0.737	/
		Left Edge	10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	0.072	0.080	1.13	0.081	/
		Right Edge	10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	0.589	0.034	1.13	0.664	/
		Top Edge	10	RMC	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	0.633	0.030	1.13	0.714	/
WCDMA IV	ANT4/5	Back Side	10	RMC	Full Power	N/A	N/A	1312/1712.4	23.00	22.33	0.861	0.061	1.17	1.005	20
			10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	0.735	0.051	1.13	0.830	/
			10	RMC	Full Power	N/A	N/A	1513/1752.6	23.00	22.26	0.777	0.024	1.19	0.921	/
		Back Side Repeat	10	RMC	Full Power	N/A	N/A	1312/1712.4	23.00	22.33	0.835	0.100	1.17	0.974	/
		Front Side	10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	0.617	-0.010	1.13	0.697	/
		Left Edge	10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	0.001	0.027	1.13	0.001	/
		Right Edge	10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	0.463	0.090	1.13	0.523	/
		Top Edge	10	RMC	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	0.705	0.016	1.13	0.797	/
WCDMA V	ANT4/5	Back Side	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	0.616	-0.023	1.09	0.672	21
		Front Side	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	0.271	0.029	1.09	0.296	/
		Left Edge	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	0.132	0.014	1.09	0.144	/
		Right Edge	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	0.063	0.090	1.09	0.069	/
		Top Edge	10	RMC	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	0.102	0.011	1.09	0.111	/

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LTE 5	ANT4/5	Back Side	10	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.809	0.109	1.17	0.950	/
			10	QPSK	Full Power	1	25	20450/829	23.50	22.65	0.761	0.070	1.22	0.926	/
			10	QPSK	Full Power	1	25	20600/844	23.50	22.78	0.845	-0.074	1.18	0.997	/
			10	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.682	0.022	1.17	0.801	/
			10	QPSK	Full Power	50%	25	20450/829	22.50	21.73	0.629	0.032	1.19	0.751	/
			10	QPSK	Full Power	50%	25	20525/836.5	22.50	21.75	0.661	-0.100	1.19	0.786	/
			10	QPSK	Full Power	100%	0	20600/844	22.50	21.80	0.672	0.048	1.17	0.790	/
		Back Side Repeat	10	QPSK	Full Power	1	25	20600/844	23.50	22.78	0.832	0.152	1.18	0.982	/
		Front Side	10	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.543	0.030	1.17	0.638	/
			10	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.466	0.017	1.17	0.548	/
		Left Edge	10	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.114	0.050	1.17	0.134	/
			10	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.085	-0.011	1.17	0.100	/
		Right Edge	10	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.199	0.032	1.17	0.234	/
			10	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.150	0.051	1.17	0.176	/
		Top Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.089	0.038	1.17	0.105	/
			10	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.070	0.067	1.17	0.082	/
		Back Side	10	QPSK	Full Power	1	49	20450/829	24.00	23.86	0.959	0.057	1.03	0.990	22
			10	QPSK	Full Power	1	0	20549/838.9							
LTE 7	ANT8	Back Side	10	QPSK	Full Power	1	99	20850/2510	23.50	22.50	0.843	-0.026	1.26	1.061	/
			10	QPSK	Full Power	1	99	21100/2535	23.50	22.65	0.641	0.091	1.22	0.780	/
			10	QPSK	Full Power	1	99	21350/2560	23.50	22.56	0.758	-0.021	1.24	0.941	/
			10	QPSK	Full Power	50%	25	21350/2560	22.50	21.70	0.597	0.057	1.20	0.718	/
			10	QPSK	Full Power	100%	0	21350/2560	22.50	21.67	0.632	-0.132	1.21	0.765	/
		Back Side Repeat	10	QPSK	Full Power	1	99	20850/2510	23.50	22.50	0.802	0.016	1.26	1.010	/
		Front Side	10	QPSK	Full Power	1	99	21100/2535	23.50	22.65	0.609	0.098	1.22	0.741	/
			10	QPSK	Full Power	50%	25	21350/2560	22.50	21.70	0.508	0.053	1.20	0.611	/
		Left Edge	10	QPSK	Full Power	1	99	20850/2510	23.50	22.50	0.725	0.033	1.26	0.913	/
			10	QPSK	Full Power	1	99	21100/2535	23.50	22.65	0.724	0.039	1.22	0.881	/
			10	QPSK	Full Power	1	99	21350/2560	23.50	22.56	0.835	0.120	1.24	1.037	/
			10	QPSK	Full Power	50%	0	20850/2510	22.50	21.58	0.641	-0.074	1.24	0.792	/
		Right Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Back Side	10	QPSK	Full Power	1	0	21350/2560	23.50	23.26	0.943	0.025	1.06	0.997	23
			10	QPSK	Full Power	1	99	21152/2540.2							
LTE 12	ANT4/5	Back Side	10	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.426	0.130	1.20	0.510	24

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			10	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.422	0.010	1.19	0.504	/
		Front Side	10	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.325	0.029	1.20	0.389	/
			10	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.295	0.041	1.19	0.352	/
		Left Edge	10	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.103	-0.080	1.20	0.123	/
			10	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.071	0.025	1.19	0.085	/
		Right Edge	10	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.119	0.017	1.20	0.142	/
			10	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.095	0.033	1.19	0.113	/
		Top Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.054	0.019	1.20	0.065	/
			10	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.043	0.080	1.19	0.051	/
		Back Side	10	QPSK	Full Power	1	49	23048/702.8	24.00	23.86	0.418	-0.030	1.03	0.432	/
			10	QPSK	Full Power	1	0	23147/712.7							
LTE 14	ANT4/5	Back Side	10	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.330	-0.108	1.19	0.392	25
			10	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.279	0.025	1.18	0.329	/
		Front Side	10	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.256	0.033	1.19	0.304	/
			10	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.199	0.027	1.18	0.235	/
		Left Edge	10	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.048	0.041	1.19	0.057	/
			10	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.041	0.060	1.18	0.048	/
		Right Edge	10	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.053	0.025	1.19	0.063	/
			10	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.067	0.041	1.18	0.079	/
		Top Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.068	0.033	1.19	0.081	/
			10	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.055	0.060	1.18	0.065	/
LTE 25	ANT4/5	Back Side	10	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	0.563	0.120	1.25	0.704	26
			10	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	0.498	0.020	1.25	0.621	/
		Front Side	10	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	0.461	-0.040	1.25	0.576	/
			10	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	0.415	0.029	1.25	0.518	/
		Left Edge	10	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	0.062	0.070	1.25	0.078	/
			10	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	0.048	0.048	1.25	0.060	/
		Right Edge	10	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	0.402	0.090	1.25	0.503	/
			10	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	0.439	0.013	1.25	0.548	/
		Top Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	0.473	0.016	1.25	0.591	/
			10	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	0.404	0.013	1.25	0.504	/
LTE 41	ANT8	Back Side	10	QPSK	Full Power	1	0	39750/2506	23.50	22.91	0.435	-0.030	1.15	0.498	/
			10	QPSK	Full Power	50%	0	39750/2506	22.50	22.00	0.376	0.027	1.12	0.422	/
		Front Side	10	QPSK	Full Power	1	0	39750/2506	23.50	22.91	0.293	0.058	1.15	0.336	/
			10	QPSK	Full Power	50%	0	39750/2506	22.50	22.00	0.273	0.010	1.12	0.306	/
		Left Edge	10	QPSK	Full Power	1	0	39750/2506	23.50	22.91	0.440	0.120	1.15	0.504	27
			10	QPSK	Full Power	50%	0	39750/2506	22.50	22.00	0.339	0.069	1.12	0.380	/

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		Right Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	10	QPSK	Full Power	1	0	41490/2680	23.50	23.18	0.428	0.027	1.08	0.461	/
			10	QPSK	Full Power	1	99	41292/2660.2							
LTE 48	ANT7	Back Side	10	QPSK	Full Power	1	50	55990/3625	23.00	22.03	0.150	0.035	1.25	0.188	/
			10	QPSK	Full Power	50%	25	55990/3625	22.00	21.09	0.198	0.027	1.23	0.244	/
		Front Side	10	QPSK	Full Power	1	50	55990/3625	23.00	22.03	0.092	0.090	1.25	0.115	/
			10	QPSK	Full Power	50%	25	55990/3625	22.00	21.09	0.121	0.031	1.23	0.149	/
		Left Edge	10	QPSK	Full Power	1	50	55990/3625	23.00	22.03	0.416	0.140	1.25	0.520	28
			10	QPSK	Full Power	50%	25	55990/3625	22.00	21.09	0.410	0.026	1.23	0.506	/
		Right Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE 66	ANT4/5	Back Side	10	QPSK	Full Power	1	0	132322/1745	23.00	22.36	0.907	-0.080	1.16	1.051	/
			10	QPSK	Full Power	1	0	132072/1720	23.00	22.24	0.852	0.010	1.19	1.015	/
			10	QPSK	Full Power	1	0	132572/1770	23.00	22.12	0.826	0.036	1.22	1.012	/
			10	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	0.803	0.190	1.14	0.911	/
			10	QPSK	Full Power	50%	25	132322/1745	22.00	21.35	0.742	-0.080	1.16	0.862	/
			10	QPSK	Full Power	50%	0	132572/1770	22.00	21.35	0.779	-0.040	1.16	0.905	/
			10	QPSK	Full Power	100%	0	132322/1745	22.00	21.39	0.732	0.026	1.15	0.842	/
			10	QPSK	Full Power	100%	0	132072/1720	22.00	21.29	0.765	0.011	1.18	0.901	/
			10	QPSK	Full Power	100%	0	132572/1770	22.00	21.29	0.791	0.024	1.18	0.931	/
		Back Side Repeat	10	QPSK	Full Power	1	0	132322/1745	23.00	22.36	0.873	0.030	1.16	1.012	/
		Front Side	10	QPSK	Full Power	1	0	132322/1745	23.00	22.36	0.563	-0.030	1.16	0.652	/
			10	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	0.459	0.012	1.14	0.521	/
		Left Edge	10	QPSK	Full Power	1	0	132322/1745	23.00	22.36	0.021	0.022	1.16	0.024	/
			10	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	0.015	0.015	1.14	0.017	/
		Right Edge	10	QPSK	Full Power	1	0	132322/1745	23.00	22.36	0.547	-0.035	1.16	0.634	/
			10	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	0.561	0.024	1.14	0.637	/
		Top Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Full Power	1	0	132322/1745	23.00	22.36	0.762	0.090	1.16	0.883	/
			10	QPSK	Full Power	1	0	132072/1720	23.00	22.24	0.741	0.019	1.19	0.883	/
			10	QPSK	Full Power	1	0	132572/1770	23.00	22.12	0.715	0.031	1.22	0.876	/
			10	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	0.735	0.065	1.14	0.834	/

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LTE 71	ANT4/5	Back Side	10	QPSK	Full Power	50%	25	132322/1745	22.00	21.35	0.729	0.150	1.16	0.847	/
			10	QPSK	Full Power	50%	0	132572/1770	22.00	21.35	0.682	0.017	1.16	0.792	/
			10	QPSK	Full Power	1	99	132072/1720	23.50	23.16	0.966	0.032	1.08	1.045	29
			10	QPSK	Full Power	1	0	132270/1739.8							
		Back Side	10	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.289	-0.180	1.27	0.366	30
			10	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.283	0.032	1.26	0.358	/
		Front Side	10	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.187	0.019	1.27	0.237	/
			10	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.151	-0.080	1.26	0.191	/
		Left Edge	10	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.059	0.017	1.27	0.075	/
			10	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.056	0.024	1.26	0.071	/
		Right Edge	10	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.103	0.016	1.27	0.131	/
			10	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.125	0.040	1.26	0.158	/
		Top Edge	10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.062	0.033	1.27	0.079	/
			10	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.100	0.047	1.26	0.126	/

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
n5	ANT4/5	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.452	0.120	1.14	0.514	31
			10		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.448	0.025	1.12	0.504	/
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.132	0.060	1.14	0.150	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.210	-0.070	1.12	0.236	/
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.108	0.011	1.14	0.123	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.096	0.030	1.12	0.108	/
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.121	0.019	1.14	0.138	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.139	0.020	1.12	0.156	/
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.441	0.049	1.14	0.502	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.448	0.031	1.12	0.504	/
n7	ANT8	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	104	502000/2510	23.50	23.14	1.090	0.035	1.09	1.184	/
			10		DFT-s-OFDM QPSK	Full Power	1	104	507000/2535	23.50	22.90	1.020	-0.021	1.15	1.171	/
			10		DFT-s-OFDM QPSK	Full Power	1	1	512000/2560	23.50	23.08	1.010	0.017	1.10	1.113	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	23.50	23.21	1.110	-0.025	1.07	1.187	32
			10		DFT-s-OFDM QPSK	Full Power	50%	25	502000/2510	23.50	23.09	1.050	0.036	1.10	1.154	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	512000/2560	23.50	23.13	1.020	0.080	1.09	1.111	/
			10		DFT-s-OFDM QPSK	Full Power	100%	0	502000/2510	22.50	22.18	0.846	0.024	1.08	0.911	/
			10		DFT-s-OFDM QPSK	Full Power	100%	0	507000/2535	22.50	22.04	0.808	0.022	1.11	0.898	/
			10		DFT-s-OFDM QPSK	Full Power	100%	0	512000/2560	22.50	21.94	0.810	0.013	1.14	0.921	/
		Back Side Repeat	10		DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	23.50	23.21	1.030	0.090	1.07	1.101	/

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		Front Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	104	502000/2510	23.50	23.14	0.693	0.018	1.09	0.753	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	23.50	23.21	0.658	-0.026	1.07	0.703	/
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	502000/2510	23.50	23.14	0.918	0.033	1.09	0.997	/
			10		DFT-s-OFDM QPSK	Full Power	1	104	507000/2535	23.50	22.90	0.897	0.037	1.15	1.030	/
			10		DFT-s-OFDM QPSK	Full Power	1	1	512000/2560	23.50	23.08	0.902	0.028	1.10	0.994	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	23.50	23.21	1.020	0.041	1.07	1.090	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	502000/2510	23.50	23.09	0.726	0.040	1.10	0.798	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	512000/2560	23.50	23.13	1.010	-0.010	1.09	1.100	/
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n12	ANT4/5	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.465	0.060	1.15	0.533	/
			10		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.528	-0.180	1.12	0.591	33
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.288	-0.049	1.15	0.330	/
			10		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.332	0.026	1.12	0.372	/
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.142	0.020	1.15	0.163	/
			10		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.135	0.037	1.12	0.151	/
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.265	0.010	1.15	0.304	/
			10		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.286	-0.100	1.12	0.320	/
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.185	0.025	1.15	0.212	/
			10		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.207	0.080	1.12	0.232	/
n25	ANT4/5	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	0.339	0.028	1.21	0.410	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	0.346	0.035	1.18	0.407	/
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	0.427	-0.010	1.21	0.517	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	0.334	0.043	1.18	0.393	/
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	0.050	0.081	1.21	0.061	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	0.047	0.035	1.18	0.055	/
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	0.427	0.020	1.21	0.517	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	0.368	0.028	1.18	0.433	/
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	0.645	-0.035	1.21	0.781	34
			10		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	0.593	0.160	1.18	0.698	/
n41	ANT8	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	22.81	0.184	0.140	1.17	0.216	/
			10		DFT-s-OFDM QPSK	Full Power	50%	67	509202/2546.01	23.50	22.80	0.187	-0.021	1.17	0.220	35
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	22.81	0.131	0.026	1.17	0.154	/
			10		DFT-s-OFDM QPSK	Full Power	50%	67	509202/2546.01	23.50	22.80	0.142	-0.080	1.17	0.167	/
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	22.81	0.162	0.021	1.17	0.190	/
			10		DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	22.81	0.162	0.021	1.17	0.190	/

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		Right Edge	10	SA	DFT-s-OFDM QPSK	Full Power	50%	67	509202/2546.01	23.50	22.80	0.156	0.014	1.17	0.183	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n48	ANT7	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	104	638000/3570	23.50	22.56	0.347	-0.088	1.24	0.431	36
			10		DFT-s-OFDM QPSK	Full Power	50%	25	638000/3570	23.50	22.60	0.333	0.020	1.23	0.410	/
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	104	638000/3570	23.50	22.56	0.246	0.017	1.24	0.305	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	638000/3570	23.50	22.60	0.264	0.080	1.23	0.325	/
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	638000/3570	23.50	22.56	0.282	0.032	1.24	0.350	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	638000/3570	23.50	22.60	0.303	0.015	1.23	0.373	/
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n66	ANT4/5	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	0.904	-0.130	1.08	0.978	/
			10		DFT-s-OFDM QPSK	Full Power	1	104	344000/1720	23.50	23.10	1.020	0.014	1.10	1.118	/
			10		DFT-s-OFDM QPSK	Full Power	1	104	354000/1770	23.50	23.00	0.986	0.050	1.12	1.106	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	1.030	0.058	1.07	1.104	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	344000/1720	23.50	23.12	0.938	0.090	1.09	1.024	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	349000/1745	23.50	23.04	0.995	0.022	1.11	1.106	/
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	0.467	0.024	1.08	0.505	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	0.444	0.080	1.07	0.476	/
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	0.001	-0.100	1.08	0.001	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	0.001	0.012	1.07	0.001	/
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	0.569	0.035	1.08	0.615	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	0.505	0.027	1.07	0.541	/
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	1.150	-0.026	1.08	1.244	37
			10		DFT-s-OFDM QPSK	Full Power	1	104	344000/1720	23.50	23.10	1.060	-0.095	1.10	1.162	/
			10		DFT-s-OFDM QPSK	Full Power	1	104	354000/1770	23.50	23.00	0.976	0.16	1.12	1.095	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	1.050	0.017	1.07	1.125	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	344000/1720	23.50	23.12	0.992	0.16	1.09	1.083	/
			10		DFT-s-OFDM QPSK	Full Power	50%	25	349000/1745	23.50	23.04	0.928	0.015	1.11	1.032	/
			10		DFT-s-OFDM QPSK	Full Power	100%	0	344000/1720	22.50	22.25	0.821	0.077	1.06	0.870	/
			10		DFT-s-OFDM QPSK	Full Power	100%	0	349000/1745	22.50	22.07	0.803	0.041	1.10	0.887	/
			10		DFT-s-OFDM QPSK	Full Power	100%	0	354000/1770	22.50	22.13	0.826	0.077	1.09	0.899	/
			10		DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	1.080	0.042	1.08	1.168	/

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		Repeat																
n71	ANT4/5	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.191	0.080	1.16	0.222	/		
			10		DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.160	0.024	1.16	0.185	/		
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.114	0.016	1.16	0.133	/		
			10		DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.105	-0.042	1.16	0.122	/		
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.001	0.013	1.16	0.001	/		
			10		DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.001	0.024	1.16	0.001	/		
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.089	0.018	1.16	0.104	/		
			10		DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.086	-0.092	1.16	0.100	/		
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.311	0.048	1.16	0.362	38		
			10		DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.227	0.010	1.16	0.263	/		
n77 PC2	ANT7	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	1	633332/3500	24.00	22.92	0.369	-0.033	1.28	0.473	39		
			10		DFT-s-OFDM QPSK	Full Power	50%	67	633332/3500	24.00	22.90	0.321	0.016	1.29	0.414	/		
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	1	633332/3500	24.00	22.92	0.260	0.028	1.28	0.333	/		
			10		DFT-s-OFDM QPSK	Full Power	50%	67	633332/3500	24.00	22.90	0.237	0.040	1.29	0.305	/		
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	1	633332/3500	24.00	22.92	0.363	-0.080	1.28	0.465	/		
			10		DFT-s-OFDM QPSK	Full Power	50%	67	633332/3500	24.00	22.90	0.276	0.035	1.29	0.356	/		
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n255	ANT9	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	0	261843/1660.4	24.00	22.66	0.280	0.090	1.36	0.381	40		
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	0	261843/1660.4	24.00	22.66	0.207	-0.026	1.36	0.282	/		
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	0	261843/1660.4	24.00	22.66	0.152	0.018	1.36	0.207	/		
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	1	0	261843/1660.4	24.00	22.66	0.116	0.100	1.36	0.158	/		
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		
n23	ANT9	Back Side	10	SA	DFT-s-OFDM QPSK	Full Power	1	11	25501/2000.1	22.00	20.83	0.533	0.020	1.31	0.391	41		
		Front Side	10		DFT-s-OFDM QPSK	Full Power	1	11	25501/2000.1	22.00	20.83	0.307	0.030	1.31	0.245	/		
		Left Edge	10		DFT-s-OFDM QPSK	Full Power	1	11	25501/2000.1	22.00	20.83	0.291	0.050	1.31	0.206	/		
		Right Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		
		Top Edge	10		DFT-s-OFDM QPSK	Full Power	1	11	25501/2000.1	22.00	20.83	0.519	0.010	1.31	0.382	/		
		Bottom Edge	10		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		

Band	Antenna	Test Position	Dist. (mm)	Mode	Duty Cycle	Power Reduction	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
Wi-Fi 2.4G	ANT2	Back Side	10	802.11b	100.0%	Full Power	6/2437	18.00	17.75	0.152	0.060	1.06	0.161	/
		Front Side	10	802.11b	100.0%	Full Power	6/2437	18.00	17.75	0.077	0.012	1.06	0.082	/

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		Left Edge	10	802.11b	100.0%	Full Power	6/2437	18.00	17.75	0.001	0.038	1.06	0.001	/
		Right Edge	10	802.11b	100.0%	Full Power	6/2437	18.00	17.75	0.127	0.090	1.06	0.135	/
		Top Edge	10	802.11b	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	802.11b	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT10	Back Side	10	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.383	0.080	1.03	0.396	42
		Back Side	10	802.11g	100.0%	Full Power	11/2462	19.50	19.36	0.232	0.033	1.03	0.239	/
		Front Side	10	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.127	0.035	1.03	0.131	/
		Left Edge	10	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.016	-0.080	1.03	0.017	/
		Right Edge	10	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.237	0.040	1.03	0.245	/
		Top Edge	10	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.242	0.017	1.03	0.250	/
		Bottom Edge	10	802.11b	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	MIMO	Back Side	10	802.11b	100.0%	Full Power	11/2462	22.00	21.25	0.248	0.120	1.19	0.295	/
Wi-Fi 5G U-NII-1	ANT2	Back Side	10	11a	100.0%	Full Power	36/5180	17.50	17.24	0.192	0.019	1.06	0.204	/
		Front Side	10	11a	100.0%	Full Power	36/5180	17.50	17.24	0.165	0.038	1.06	0.175	/
		Left Edge	10	11a	100.0%	Full Power	36/5180	17.50	17.24	0.001	-0.090	1.06	0.001	/
		Right Edge	10	11a	100.0%	Full Power	36/5180	17.50	17.24	0.535	0.030	1.06	0.568	43
		Top Edge	10	11a	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	11a	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT10	Back Side	10	11a	100.0%	Full Power	36/5180	18.00	17.77	0.365	0.066	1.05	0.385	/
		Front Side	10	11a	100.0%	Full Power	36/5180	18.00	17.77	0.147	0.024	1.05	0.155	/
		Left Edge	10	11a	100.0%	Full Power	36/5180	18.00	17.77	0.070	0.052	1.05	0.074	/
		Right Edge	10	11a	100.0%	Full Power	36/5180	18.00	17.77	0.095	0.100	1.05	0.100	/
		Top Edge	10	11a	100.0%	Full Power	36/5180	18.00	17.77	0.386	0.068	1.05	0.407	/
		Bottom Edge	10	11a	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	MIMO	Back Side	10	11a	100.0%	Full Power	36/5180	21.00	20.52	0.329	0.039	1.12	0.367	/
Wi-Fi 5G U-NII-3	ANT2	Back Side	10	11a	100.0%	Full Power	149/5745	17.50	16.67	0.157	0.027	1.21	0.190	/
		Front Side	10	11a	100.0%	Full Power	149/5745	17.50	16.67	0.074	0.080	1.21	0.090	/
		Left Edge	10	11a	100.0%	Full Power	149/5745	17.50	16.67	0.001	-0.090	1.21	0.001	/
		Right Edge	10	11a	100.0%	Full Power	149/5745	17.50	16.67	0.170	0.070	1.21	0.206	/
		Top Edge	10	11a	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	N/A	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT10	Back Side	10	11a	100.0%	Full Power	157/5785	18.00	17.71	0.139	0.089	1.07	0.149	/
		Front Side	10	11a	100.0%	Full Power	157/5785	18.00	17.71	0.085	0.010	1.07	0.091	/
		Left Edge	10	11a	100.0%	Full Power	157/5785	18.00	17.71	0.028	0.025	1.07	0.030	/
		Right Edge	10	11a	100.0%	Full Power	157/5785	18.00	17.71	0.059	0.080	1.07	0.063	/
		Top Edge	10	11a	100.0%	Full Power	157/5785	18.00	17.71	0.138	0.060	1.07	0.148	/
		Bottom Edge	10	N/A	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	MIMO	Back Side	10	N/A	100.0%	Full Power	157/5785	21.00	20.11	0.173	0.165	1.23	0.212	/
Bluetooth	ANT2	Back Side	10	DH5	77.0%	Full Power	78/2480	13.00	12.71	0.012	-0.049	1.39	0.017	44
		Front Side	10	DH5	77.0%	Full Power	78/2480	13.00	12.71	0.007	0.014	1.39	0.010	/
		Left Edge	10	DH5	77.0%	Full Power	78/2480	13.00	12.71	0.001	0.020	1.39	0.001	/
		Right Edge	10	DH5	77.0%	Full Power	78/2480	13.00	12.71	0.007	0.078	1.39	0.010	/
		Top Edge	10	DH5	77.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

		Bottom Edge	10	N/A	77.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
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EN-DC SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	Offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Scaling Factor	Report SAR1g (W/kg)	Plot .No
LTE 5	ANT4/5	Back Side	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.809	0.59	0.476	/
			10	QPSK	N/A	1	25	20450/829	20.50	22.65	0.761	0.61	0.464	/
			10	QPSK	N/A	1	25	20600/844	20.50	22.78	0.845	0.59	0.500	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.682	0.74	0.506	/
			10	QPSK	N/A	50%	25	20450/829	20.50	21.73	0.629	0.75	0.474	/
			10	QPSK	N/A	50%	25	20525/836.5	20.50	21.75	0.661	0.75	0.496	/
			10	QPSK	N/A	100%	0	20600/844	20.50	21.80	0.672	0.74	0.498	/
		Front Side	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.543	0.59	0.320	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.466	0.74	0.345	/
		Left Edge	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.114	0.59	0.067	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.085	0.74	0.063	/
		Right Edge	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.199	0.59	0.117	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.150	0.74	0.111	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.089	0.59	0.052	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.070	0.74	0.052	/
LTE 7	ANT8	Back Side	10	QPSK	N/A	1	99	20850/2510	21.00	22.50	0.843	0.71	0.597	/
			10	QPSK	N/A	1	99	21100/2535	21.00	22.65	0.641	0.68	0.438	/
			10	QPSK	N/A	1	99	21350/2560	21.00	22.56	0.758	0.70	0.529	/
			10	QPSK	N/A	50%	25	21350/2560	21.00	21.70	0.597	0.85	0.508	/
			10	QPSK	N/A	100%	0	21350/2560	21.00	21.67	0.632	0.86	0.542	/
		Front Side	10	QPSK	N/A	1	99	21100/2535	21.00	22.65	0.609	0.68	0.417	/
			10	QPSK	N/A	50%	25	21350/2560	21.00	21.70	0.508	0.85	0.432	/
		Left Edge	10	QPSK	N/A	1	99	20850/2510	21.00	22.50	0.725	0.71	0.513	/
			10	QPSK	N/A	1	99	21100/2535	21.00	22.65	0.724	0.68	0.495	/
			10	QPSK	N/A	1	99	21350/2560	21.00	22.56	0.835	0.70	0.583	/
			10	QPSK	N/A	50%	0	20850/2510	21.00	21.58	0.641	0.87	0.561	/
		Right Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
LTE 12	ANT4/5	Back Side	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.426	1.20	0.510	/
			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.422	1.19	0.504	/
		Front Side	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.325	1.20	0.389	/

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			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.295	1.19	0.352	/
		Left Edge	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.103	1.20	0.123	/
			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.071	1.19	0.085	/
		Right Edge	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.119	1.20	0.142	/
			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.095	1.19	0.113	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.054	1.20	0.065	/
			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.043	1.19	0.051	/
LTE 14	ANT4/5	Back Side	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.330	1.19	0.392	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.279	1.18	0.329	/
		Front Side	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.256	1.19	0.304	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.199	1.18	0.235	/
		Left Edge	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.048	1.19	0.057	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.041	1.18	0.048	/
		Right Edge	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.053	1.19	0.063	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.067	1.18	0.079	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.068	1.19	0.081	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.055	1.18	0.065	/
LTE 25	ANT4/5	Back Side	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.563	0.89	0.498	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.498	1.11	0.554	/
		Front Side	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.461	0.89	0.408	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.415	1.11	0.461	/
		Left Edge	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.062	0.89	0.055	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.048	1.11	0.053	/
		Right Edge	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.402	0.89	0.356	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.439	1.11	0.488	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.473	0.89	0.419	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.404	1.11	0.449	/
LTE 41	ANT8	Back Side	10	QPSK	N/A	1	0	39750/2506	23.50	22.91	0.435	1.15	0.498	/
			10	QPSK	N/A	50%	0	39750/2506	22.50	22.00	0.376	1.12	0.422	/
		Front Side	10	QPSK	N/A	1	0	39750/2506	23.50	22.91	0.293	1.15	0.336	/
			10	QPSK	N/A	50%	0	39750/2506	22.50	22.00	0.273	1.12	0.306	/
		Left Edge	10	QPSK	N/A	1	0	39750/2506	23.50	22.91	0.440	1.15	0.504	/
			10	QPSK	N/A	50%	0	39750/2506	22.50	22.00	0.339	1.12	0.380	/
		Right Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

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		Bottom Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
LTE 66	ANT4/5	Back Side	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.907	0.58	0.527	/
			10	QPSK	N/A	1	0	132072/1720	20.00	22.24	0.852	0.60	0.509	/
			10	QPSK	N/A	1	0	132572/1770	20.00	22.12	0.826	0.61	0.507	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.803	0.72	0.575	/
			10	QPSK	N/A	50%	25	132322/1745	20.00	21.35	0.742	0.73	0.544	/
			10	QPSK	N/A	50%	0	132572/1770	20.00	21.35	0.779	0.73	0.571	/
			10	QPSK	N/A	100%	0	132322/1745	20.00	21.39	0.732	0.73	0.532	/
			10	QPSK	N/A	100%	0	132072/1720	20.00	21.29	0.765	0.74	0.568	/
			10	QPSK	N/A	100%	0	132572/1770	20.00	21.29	0.791	0.74	0.588	/
		Front Side	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.563	0.58	0.327	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.459	0.72	0.329	/
		Left Edge	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.021	0.58	0.012	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.015	0.72	0.011	/
		Right Edge	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.547	0.58	0.318	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.561	0.72	0.402	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.762	0.58	0.443	/
			10	QPSK	N/A	1	0	132072/1720	20.00	22.24	0.741	0.60	0.442	/
			10	QPSK	N/A	1	0	132572/1770	20.00	22.12	0.715	0.61	0.439	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.735	0.72	0.526	/
			10	QPSK	N/A	50%	25	132322/1745	20.00	21.35	0.729	0.73	0.534	/
			10	QPSK	N/A	50%	0	132572/1770	20.00	21.35	0.682	0.73	0.500	/

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	Offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Scaling Factor	Report SAR1g (W/kg)	Plot No
LTE 5	ANT4/5	Back Side	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.809	0.59	0.476	/
			10	QPSK	N/A	1	25	20450/829	20.50	22.65	0.761	0.61	0.464	/
			10	QPSK	N/A	1	25	20600/844	20.50	22.78	0.845	0.59	0.500	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.682	0.74	0.506	/
			10	QPSK	N/A	50%	25	20450/829	20.50	21.73	0.629	0.75	0.474	/
			10	QPSK	N/A	50%	25	20525/836.5	20.50	21.75	0.661	0.75	0.496	/
			10	QPSK	N/A	100%	0	20600/844	20.50	21.80	0.672	0.74	0.498	/
		Front Side	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.543	0.59	0.320	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.466	0.74	0.345	/
		Left Edge	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.114	0.59	0.067	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.085	0.74	0.063	/
		Right Edge	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.199	0.59	0.117	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.150	0.74	0.111	/

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		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	1	25	20525/836.5	20.50	22.80	0.089	0.59	0.052	/
			10	QPSK	N/A	50%	13	20600/844	20.50	21.80	0.070	0.74	0.052	/
LTE 7	ANT8	Back Side	10	QPSK	N/A	1	99	20850/2510	21.00	22.50	0.843	0.71	0.597	/
			10	QPSK	N/A	1	99	21100/2535	21.00	22.65	0.641	0.68	0.438	/
			10	QPSK	N/A	1	99	21350/2560	21.00	22.56	0.758	0.70	0.529	/
			10	QPSK	N/A	50%	25	21350/2560	21.00	21.70	0.597	0.85	0.508	/
			10	QPSK	N/A	100%	0	21350/2560	21.00	21.67	0.632	0.86	0.542	/
		Front Side	10	QPSK	N/A	1	99	21100/2535	21.00	22.65	0.609	0.68	0.417	/
			10	QPSK	N/A	50%	25	21350/2560	21.00	21.70	0.508	0.85	0.432	/
		Left Edge	10	QPSK	N/A	1	99	20850/2510	21.00	22.50	0.725	0.71	0.513	/
			10	QPSK	N/A	1	99	21100/2535	21.00	22.65	0.724	0.68	0.495	/
			10	QPSK	N/A	1	99	21350/2560	21.00	22.56	0.835	0.70	0.583	/
			10	QPSK	N/A	50%	0	20850/2510	21.00	21.58	0.641	0.87	0.561	/
		Right Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
LTE 12	ANT4/5	Back Side	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.426	1.20	0.510	/
			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.422	1.19	0.504	/
		Front Side	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.325	1.20	0.389	/
			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.295	1.19	0.352	/
		Left Edge	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.103	1.20	0.123	/
			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.071	1.19	0.085	/
		Right Edge	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.119	1.20	0.142	/
			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.095	1.19	0.113	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	1	25	23095/707.5	24.00	23.22	0.054	1.20	0.065	/
			10	QPSK	N/A	50%	25	23060/704	23.00	22.23	0.043	1.19	0.051	/
LTE 14	ANT4/5	Back Side	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.330	1.19	0.392	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.279	1.18	0.329	/
		Front Side	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.256	1.19	0.304	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.199	1.18	0.235	/
		Left Edge	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.048	1.19	0.057	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.041	1.18	0.048	/
		Right Edge	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.053	1.19	0.063	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.067	1.18	0.079	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

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		Bottom Edge	10	QPSK	N/A	1	25	23330/793	23.50	22.75	0.068	1.19	0.081	/
			10	QPSK	N/A	50%	25	23330/793	22.50	21.78	0.055	1.18	0.065	/
LTE 25	ANT4/5	Back Side	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.563	0.89	0.498	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.498	1.11	0.554	/
		Front Side	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.461	0.89	0.408	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.415	1.11	0.461	/
		Left Edge	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.062	0.89	0.055	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.048	1.11	0.053	/
		Right Edge	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.402	0.89	0.356	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.439	1.11	0.488	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	1	50	26365/1882.5	22.00	22.53	0.473	0.89	0.419	/
			10	QPSK	N/A	50%	0	26365/1882.5	22.00	21.54	0.404	1.11	0.449	/
LTE 41	ANT8	Back Side	10	QPSK	N/A	1	0	39750/2506	23.50	22.91	0.435	1.15	0.498	/
			10	QPSK	N/A	50%	0	39750/2506	22.50	22.00	0.376	1.12	0.422	/
		Front Side	10	QPSK	N/A	1	0	39750/2506	23.50	22.91	0.293	1.15	0.336	/
			10	QPSK	N/A	50%	0	39750/2506	22.50	22.00	0.273	1.12	0.306	/
		Left Edge	10	QPSK	N/A	1	0	39750/2506	23.50	22.91	0.440	1.15	0.504	/
			10	QPSK	N/A	50%	0	39750/2506	22.50	22.00	0.339	1.12	0.380	/
		Right Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
LTE 66	ANT4/5	Back Side	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.907	0.58	0.527	/
			10	QPSK	N/A	1	0	132072/1720	20.00	22.24	0.852	0.60	0.509	/
			10	QPSK	N/A	1	0	132572/1770	20.00	22.12	0.826	0.61	0.507	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.803	0.72	0.575	/
			10	QPSK	N/A	50%	25	132322/1745	20.00	21.35	0.742	0.73	0.544	/
			10	QPSK	N/A	50%	0	132572/1770	20.00	21.35	0.779	0.73	0.571	/
			10	QPSK	N/A	100%	0	132322/1745	20.00	21.39	0.732	0.73	0.532	/
			10	QPSK	N/A	100%	0	132072/1720	20.00	21.29	0.765	0.74	0.568	/
			10	QPSK	N/A	100%	0	132572/1770	20.00	21.29	0.791	0.74	0.588	/
		Front Side	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.563	0.58	0.327	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.459	0.72	0.329	/
		Left Edge	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.021	0.58	0.012	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.015	0.72	0.011	/
		Right Edge	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.547	0.58	0.318	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.561	0.72	0.402	/
		Top Edge	10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			10	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

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		Bottom Edge	10	QPSK	N/A	1	0	132322/1745	20.00	22.36	0.762	0.58	0.443	/
			10	QPSK	N/A	1	0	132072/1720	20.00	22.24	0.741	0.60	0.442	/
			10	QPSK	N/A	1	0	132572/1770	20.00	22.12	0.715	0.61	0.439	/
			10	QPSK	N/A	50%	25	132072/1720	20.00	21.45	0.735	0.72	0.526	/
			10	QPSK	N/A	50%	25	132322/1745	20.00	21.35	0.729	0.73	0.534	/
			10	QPSK	N/A	50%	0	132572/1770	20.00	21.35	0.682	0.73	0.500	/

Extremity 10g SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	Offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR10g (W/kg)	Plot No.
WCDMA II	ANT4/5	Back Side	10	RMC	Full Power	N/A	N/A	9262/1852.4	24.50	24.06	1.650	0.029	1.11	1.826	/
			10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	1.830	0.011	1.13	2.063	45
			10	RMC	Full Power	N/A	N/A	9538/1907.6	24.50	23.97	1.680	0.031	1.13	1.898	/
		Front Side	10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	1.760	0.025	1.13	1.984	/
		Left Edge	10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	0.065	0.020	1.13	0.073	/
		Right Edge	10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	1.360	0.015	1.13	1.533	/
		Top Edge	10	RMC	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	RMC	Full Power	N/A	N/A	9400/1880	24.50	23.98	1.240	0.070	1.13	1.398	/
WCDMA IV	ANT4/5	Back Side	10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	1.520	0.030	1.13	1.717	46
		Front Side	10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	1.150	-0.014	1.13	1.299	/
		Left Edge	10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	0.046	0.032	1.13	0.052	/
		Right Edge	10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	0.932	0.019	1.13	1.053	/
		Top Edge	10	RMC	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	RMC	Full Power	N/A	N/A	1413/1732.6	23.00	22.47	1.120	0.080	1.13	1.265	/
WCDMA V	ANT4/5	Back Side	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	1.180	0.033	1.09	1.288	47
		Front Side	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	0.644	0.029	1.09	0.703	/
		Left Edge	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	0.141	0.140	1.09	0.154	/
		Right Edge	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	0.330	0.011	1.09	0.360	/
		Top Edge	10	RMC	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	RMC	Full Power	N/A	N/A	4183/836.6	24.50	24.12	0.441	0.025	1.09	0.481	/
LTE 5	ANT4/5	Back Side	0	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.845	0.027	1.17	0.993	/
			0	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.743	-0.080	1.17	0.873	/
		Front Side	0	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.432	0.035	1.17	0.508	/
			0	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.370	0.041	1.17	0.435	/
		Left Edge	0	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.251	0.019	1.17	0.295	/
			0	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.177	-0.020	1.17	0.208	/
		Right Edge	0	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.335	0.035	1.17	0.394	/
			0	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.255	0.010	1.17	0.300	/
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/

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		Bottom Edge	0	QPSK	Full Power	1	25	20525/836.5	23.50	22.80	0.282	0.160	1.17	0.331	/
			0	QPSK	Full Power	50%	13	20600/844	22.50	21.80	0.221	0.018	1.17	0.260	/
		Back Side	10	QPSK	Full Power	1	49	20450/829	24.00	23.86	0.952	0.020	1.03	0.983	48
			10	QPSK	Full Power	1	0	20549/838.9							
LTE 7	ANT8	Back Side	0	QPSK	Full Power	1	99	20850/2510	23.50	22.50	2.020	0.030	1.26	2.543	/
			0	QPSK	Full Power	1	99	21100/2535	23.50	22.65	2.100	-0.080	1.22	2.554	/
			0	QPSK	Full Power	1	99	21350/2560	23.50	22.56	1.770	0.011	1.24	2.198	/
			0	QPSK	Full Power	50%	25	21350/2560	22.50	21.70	1.540	0.160	1.20	1.851	/
		Back Side	10	QPSK	Full Power	100%	0	21350/2560	22.50	21.67	1.590	0.030	1.21	1.925	/
		Front Side	0	QPSK	Full Power	1	99	21100/2535	23.50	22.65	1.580	0.024	1.22	1.922	/
			0	QPSK	Full Power	50%	25	21350/2560	22.50	21.70	1.480	-0.090	1.20	1.779	/
		Left Edge	0	QPSK	Full Power	1	99	21100/2535	23.50	22.65	1.560	0.100	1.22	1.897	/
			0	QPSK	Full Power	50%	25	21350/2560	22.50	21.70	1.350	0.035	1.20	1.623	/
		Right Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE 12	ANT4/5	Back Side	10	QPSK	Full Power	1	0	21350/2560	23.50	23.26	2.550	0.019	1.06	2.695	49
			10	QPSK	Full Power	1	99	21152/2540.2							
		Back Side	0	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.694	0.150	1.20	0.831	/
			0	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.631	0.013	1.19	0.753	/
		Front Side	0	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.300	0.050	1.20	0.359	/
			0	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.239	-0.027	1.19	0.285	/
		Left Edge	0	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.079	0.039	1.20	0.095	/
			0	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.071	0.014	1.19	0.085	/
		Right Edge	0	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.380	0.070	1.20	0.455	/
			0	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.349	0.033	1.19	0.417	/
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE 14	ANT4/5	Bottom Edge	0	QPSK	Full Power	1	25	23095/707.5	24.00	23.22	0.263	0.013	1.20	0.315	/
			0	QPSK	Full Power	50%	25	23060/704	23.00	22.23	0.249	0.047	1.19	0.297	/
		Back Side	10	QPSK	Full Power	1	49	23048/702.8	24.00	23.86	0.715	0.139	1.03	0.738	50
			10	QPSK	Full Power	1	0	23147/712.7							
		Back Side	0	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.649	0.070	1.19	0.771	51
			0	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.587	0.039	1.18	0.693	/
		Front Side	0	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.335	-0.014	1.19	0.398	/
			0	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.244	0.022	1.18	0.288	/
		Left Edge	0	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.082	0.060	1.19	0.097	/
			0	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.066	0.019	1.18	0.078	/
		Right Edge	0	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.154	-0.080	1.19	0.183	/
			0	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.115	0.027	1.18	0.136	/

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		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	0	QPSK	Full Power	1	25	23330/793	23.50	22.75	0.243	0.030	1.19	0.289	/
			0	QPSK	Full Power	50%	25	23330/793	22.50	21.78	0.179	0.026	1.18	0.211	/
LTE 25	ANT4/5	Back Side	0	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	1.420	0.018	1.25	1.775	/
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	1.310	0.026	1.25	1.634	/
		Front Side	0	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	1.280	0.070	1.25	1.600	/
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	1.020	0.041	1.25	1.272	/
		Left Edge	0	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	0.044	-0.030	1.25	0.055	/
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	0.040	0.029	1.25	0.050	/
		Right Edge	0	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	1.460	0.050	1.25	1.825	52
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	1.290	0.014	1.25	1.609	/
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	0	QPSK	Full Power	1	50	26365/1882.5	23.50	22.53	0.544	0.038	1.25	0.680	/
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	21.54	0.610	0.010	1.25	0.761	/
LTE 41	ANT8	Back Side	0	QPSK	Full Power	1	0	39750/2506	23.50	22.91	0.930	0.030	1.15	1.065	/
			0	QPSK	Full Power	50%	0	39750/2506	22.50	22.00	0.935	0.016	1.12	1.049	/
		Front Side	0	QPSK	Full Power	1	0	39750/2506	23.50	22.91	0.966	0.025	1.15	1.107	53
			0	QPSK	Full Power	50%	0	39750/2506	22.50	22.00	0.793	0.066	1.12	0.890	/
		Left Edge	0	QPSK	Full Power	1	0	39750/2506	23.50	22.91	0.758	-0.140	1.15	0.868	/
			0	QPSK	Full Power	50%	0	39750/2506	22.50	22.00	0.672	0.035	1.12	0.754	/
		Right Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
Front Side	10	QPSK	Full Power	1	0	41490/2680	23.50	23.18	0.905	0.017	1.08	0.974	/		
	10	QPSK	Full Power	1	99	41292/2660.2									
LTE 48	ANT7	Back Side	0	QPSK	Full Power	1	50	55990/3625	23.00	22.03	0.663	-0.030	1.25	0.829	/
			0	QPSK	Full Power	50%	25	55990/3625	22.00	21.09	0.487	0.027	1.23	0.601	/
		Front Side	0	QPSK	Full Power	1	50	55990/3625	23.00	22.03	0.589	0.080	1.25	0.736	/
			0	QPSK	Full Power	50%	25	55990/3625	22.00	21.09	0.467	-0.160	1.23	0.576	/
		Left Edge	0	QPSK	Full Power	1	50	55990/3625	23.00	22.03	0.882	0.030	1.25	1.103	54
			0	QPSK	Full Power	50%	25	55990/3625	22.00	21.09	0.685	0.041	1.23	0.845	/
		Right Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE 66	ANT4/5	Back Side	0	QPSK	Full Power	1	0	132322/1745	23.00	22.36	1.440	-0.020	1.16	1.669	/

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			0	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	1.340	0.039	1.14	1.521	/
		Front Side	0	QPSK	Full Power	1	0	132322/1745	23.00	22.36	1.220	0.041	1.16	1.414	/
			0	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	0.983	0.020	1.14	1.116	/
		Left Edge	0	QPSK	Full Power	1	0	132322/1745	23.00	22.36	0.035	-0.080	1.16	0.041	/
			0	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	0.036	0.035	1.14	0.041	/
		Right Edge	0	QPSK	Full Power	1	0	132322/1745	23.00	22.36	0.817	0.026	1.16	0.947	/
			0	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	0.851	0.047	1.14	0.966	/
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	0	QPSK	Full Power	1	0	132322/1745	23.00	22.36	1.180	0.013	1.16	1.367	/
			0	QPSK	Full Power	50%	25	132072/1720	22.00	21.45	1.100	0.020	1.14	1.249	/
		Back Side	10	QPSK	Full Power	1	99	132072/1720	23.50	23.16	1.750	0.063	1.08	1.893	55
			10	QPSK	Full Power	1	0	132270/1739.8							

LTE 71	ANT4/5	Back Side	0	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.629	0.060	1.27	0.797	56
			0	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.553	0.041	1.26	0.699	/
		Front Side	0	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.192	0.030	1.27	0.243	/
			0	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.165	0.028	1.26	0.209	/
		Left Edge	0	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.053	0.040	1.27	0.067	/
			0	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.068	0.015	1.26	0.086	/
		Right Edge	0	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.214	-0.090	1.27	0.271	/
			0	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.319	0.026	1.26	0.403	/
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	0	QPSK	Full Power	1	99	133222/673	23.50	22.47	0.194	0.031	1.27	0.246	/
			0	QPSK	Full Power	50%	50	133222/673	22.50	21.48	0.181	0.018	1.26	0.229	/

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR10g (W/kg)	Plot No.
n5	ANT4/5	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.719	-0.021	1.14	0.818	57
			0		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.695	0.080	1.12	0.782	/
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.357	0.071	1.14	0.406	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.361	0.050	1.12	0.406	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.177	-0.030	1.14	0.201	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.189	0.035	1.12	0.213	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.248	0.019	1.14	0.282	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.251	0.098	1.12	0.282	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	22.94	0.275	0.035	1.14	0.313	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	22.99	0.331	0.060	1.12	0.372	/
n7	ANT8	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	104	502000/2510	23.50	23.14	1.970	0.035	1.09	2.140	/
			0		DFT-s-OFDM QPSK	Full Power	1	104	507000/2535	23.50	22.90	1.880	0.160	1.15	2.159	/

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			0	SA	DFT-s-OFDM QPSK	Full Power	1	1	512000/2560	23.50	23.08	1.950	0.025	1.10	2.148	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	23.50	23.21	2.010	0.010	1.07	2.149	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	502000/2510	23.50	23.09	2.000	-0.103	1.10	2.198	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	512000/2560	23.50	23.13	1.920	0.050	1.09	2.091	/
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	104	502000/2510	23.50	23.14	2.030	-0.031	1.09	2.205	58
			0		DFT-s-OFDM QPSK	Full Power	1	104	507000/2535	23.50	22.90	1.890	0.039	1.15	2.170	/
			0		DFT-s-OFDM QPSK	Full Power	1	1	512000/2560	23.50	23.08	1.950	0.027	1.10	2.148	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	23.50	23.21	1.970	0.090	1.07	2.106	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	502000/2510	23.50	23.09	1.790	-0.100	1.10	1.967	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	512000/2560	23.50	23.13	1.810	0.014	1.09	1.971	/
			0		DFT-s-OFDM QPSK	Full Power	100%	0	502000/2510	22.50	22.18	1.690	0.027	1.08	1.819	/
			0		DFT-s-OFDM QPSK	Full Power	100%	0	507000/2535	22.50	22.04	1.580	0.048	1.11	1.757	/
			0		DFT-s-OFDM QPSK	Full Power	100%	0	512000/2560	22.50	21.94	1.600	-0.030	1.14	1.820	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	502000/2510	23.50	23.14	1.660	-0.028	1.09	1.803	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	23.50	23.21	1.740	0.021	1.07	1.860	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n12	ANT4/5	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.591	0.060	1.15	0.677	/
			0		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.607	-0.021	1.12	0.679	59
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.255	0.037	1.15	0.292	/
			0		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.258	0.041	1.12	0.289	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.029	0.050	1.15	0.033	/
			0		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.040	0.038	1.12	0.045	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.287	0.034	1.15	0.329	/
			0		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.231	0.020	1.12	0.259	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	1	77	141500/707.5	23.50	22.91	0.218	0.015	1.15	0.250	/
			0		DFT-s-OFDM QPSK	Full Power	50%	18	141500/707.5	23.50	23.01	0.191	0.190	1.12	0.214	/
n25	ANT4/5	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	0.922	0.043	1.21	1.116	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	0.968	0.060	1.18	1.140	/
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	1.240	0.028	1.21	1.501	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	1.270	0.021	1.18	1.496	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	0.060	0.190	1.21	0.073	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	0.071	0.010	1.18	0.084	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	1.330	-0.173	1.21	1.610	60
			0		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	1.310	0.035	1.18	1.543	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

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		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	23.50	22.67	0.698	0.029	1.21	0.845	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	23.50	22.79	0.780	0.038	1.18	0.919	/
n41	ANT8	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	22.81	0.430	0.011	1.17	0.504	/
			0		DFT-s-OFDM QPSK	Full Power	50%	135	509202/2546.01	23.50	22.80	0.444	0.030	1.17	0.522	61
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	22.81	0.358	-0.080	1.17	0.420	/
			0		DFT-s-OFDM QPSK	Full Power	50%	135	509202/2546.01	23.50	22.80	0.373	0.029	1.17	0.438	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	22.81	0.339	-0.028	1.17	0.397	/
			0		DFT-s-OFDM QPSK	Full Power	50%	135	509202/2546.01	23.50	22.80	0.328	0.014	1.17	0.385	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n48	ANT7	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	104	638000/3570	23.50	22.56	0.764	-0.090	1.24	0.949	62
			0		DFT-s-OFDM QPSK	Full Power	50%	25	638000/3570	23.50	22.60	0.726	0.010	1.23	0.893	/
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	104	638000/3570	23.50	22.56	0.610	0.024	1.24	0.757	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	638000/3570	23.50	22.60	0.617	0.038	1.23	0.759	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	638000/3570	23.50	22.56	0.493	-0.090	1.24	0.612	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	638000/3570	23.50	22.60	0.486	0.026	1.23	0.598	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n66	ANT4/5	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	1.650	0.016	1.08	1.784	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	1.680	0.040	1.07	1.800	63
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	1.100	-0.038	1.08	1.190	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	1.410	0.042	1.07	1.511	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	0.040	0.015	1.08	0.043	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	0.041	0.032	1.07	0.044	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	1.420	0.010	1.08	1.536	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	1.580	0.020	1.07	1.693	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	349000/1745	23.50	23.16	1.240	0.035	1.08	1.341	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	354000/1770	23.50	23.20	1.250	0.011	1.07	1.339	/
n71	ANT4/5	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.719	-0.034	1.16	0.837	64
			0		DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.653	-0.120	1.16	0.757	/
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.267	0.037	1.16	0.311	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.210	0.091	1.16	0.243	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.027	0.050	1.16	0.031	/
			0		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.027	0.050	1.16	0.031	/
			0		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.027	0.050	1.16	0.031	/
			0		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.027	0.050	1.16	0.031	/

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		Right Edge	0	SA	DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.029	0.027	1.16	0.034	/
			0		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.282	0.017	1.16	0.328	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.250	0.022	1.16	0.290	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	1	104	134600/673	23.50	22.84	0.161	0.019	1.16	0.187	/
			0		DFT-s-OFDM QPSK	Full Power	50%	25	136100/680.5	23.50	22.86	0.181	0.025	1.16	0.210	/
n77 PC2	ANT7	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	1	633332/3500	24.00	22.92	0.745	-0.170	1.28	0.955	65
			0		DFT-s-OFDM QPSK	Full Power	50%	67	633332/3500	24.00	22.90	0.622	0.162	1.29	0.801	/
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	1	633332/3500	24.00	22.92	0.610	-0.080	1.28	0.782	/
			0		DFT-s-OFDM QPSK	Full Power	50%	67	633332/3500	24.00	22.90	0.586	0.027	1.29	0.755	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	1	633332/3500	24.00	22.92	0.524	0.033	1.28	0.672	/
			0		DFT-s-OFDM QPSK	Full Power	50%	67	633332/3500	24.00	22.90	0.510	0.050	1.29	0.657	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n255	ANT9	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	0	261843/1660.4	24.00	22.66	0.657	0.039	1.36	0.894	66
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	0	261843/1660.4	24.00	22.66	0.387	-0.150	1.36	0.527	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	0	261843/1660.4	24.00	22.66	0.217	0.021	1.36	0.295	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	1	0	261843/1660.4	24.000	22.66	0.283	0.033	1.36	0.385	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n23	ANT9	Back Side	0	SA	DFT-s-OFDM QPSK	Full Power	1	11	25501/2000.1	22.00	20.83	0.959	0.080	1.31	1.256	67
		Front Side	0		DFT-s-OFDM QPSK	Full Power	1	11	25501/2000.1	22.00	20.83	0.726	0.060	1.31	0.950	/
		Left Edge	0		DFT-s-OFDM QPSK	Full Power	1	11	25501/2000.1	22.00	20.83	0.689	0.090	1.31	0.902	/
		Right Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Full Power	1	11	25501/2000.1	22.00	20.83	0.633	0.070	1.31	0.829	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

Band	Antenna	Test Position	Dist. (mm)	Mode	Duty Cycle	Power Reduction	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR10g (W/kg)	Plot No.
Wi-Fi 2.4G	ANT2	Back Side	0	802.11b	100.0%	Full Power	6/2437	18.00	17.75	0.288	0.040	1.06	0.305	/
		Front Side	0	802.11b	100.0%	Full Power	6/2437	18.00	17.75	0.232	0.029	1.06	0.246	/
		Left Edge	0	802.11b	100.0%	Full Power	6/2437	18.00	17.75	0.017	-0.100	1.06	0.018	/
		Right Edge	0	802.11b	100.0%	Full Power	6/2437	18.00	17.75	0.442	0.038	1.06	0.468	/
		Top Edge	0	802.11b	100.0%	Full Power	6/2437	18.00	17.75	0.082	0.024	1.06	0.087	/
		Bottom Edge	0	802.11b	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT10	Back Side	0	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.628	-0.110	1.03	0.649	68
		Front Side	0	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.347	0.150	1.03	0.358	/

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		Left Edge	0	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.065	0.027	1.03	0.067	/
		Right Edge	0	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.402	0.035	1.03	0.415	/
		Top Edge	0	802.11b	100.0%	Full Power	11/2462	19.00	18.86	0.412	0.018	1.03	0.425	/
		Bottom Edge	0	802.11b	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
Wi-Fi 5G U-NII-1	ANT2	Back Side	0	11a	100.0%	Full Power	36/5180	18.00	17.24	0.262	0.022	1.19	0.312	/
		Front Side	0	11a	100.0%	Full Power	36/5180	18.00	17.24	0.218	0.039	1.19	0.260	/
		Left Edge	0	11a	100.0%	Full Power	36/5180	18.00	17.24	0.007	0.041	1.19	0.008	/
		Right Edge	0	11a	100.0%	Full Power	36/5180	18.00	17.24	0.342	-0.048	1.19	0.407	/
		Top Edge	0	11a	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0	11a	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT10	Back Side	0	11a	100.0%	Full Power	36/5180	18.00	17.77	0.370	0.060	1.05	0.390	/
		Front Side	0	11a	100.0%	Full Power	36/5180	18.00	17.77	0.176	0.025	1.05	0.186	/
		Left Edge	0	11a	100.0%	Full Power	36/5180	18.00	17.77	0.055	0.080	1.05	0.058	/
		Right Edge	0	11a	100.0%	Full Power	36/5180	18.00	17.77	0.082	0.034	1.05	0.086	/
		Top Edge	0	11a	100.0%	Full Power	36/5180	18.00	17.77	0.643	0.090	1.05	0.678	69
		Bottom Edge	0	11a	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
Wi-Fi 5G U-NII-3	ANT2	Back Side	0	11a	100.0%	Full Power	149/5745	18.00	16.67	0.145	-0.100	1.36	0.197	/
		Front Side	0	11a	100.0%	Full Power	149/5745	18.00	16.67	0.111	0.027	1.36	0.151	/
		Left Edge	0	11a	100.0%	Full Power	149/5745	18.00	16.67	0.010	0.011	1.36	0.014	/
		Right Edge	0	11a	100.0%	Full Power	149/5745	18.00	16.67	0.212	-0.025	1.36	0.288	/
		Top Edge	0	11a	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0	N/A	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT10	Back Side	0	11a	100.0%	Full Power	157/5785	18.00	17.71	0.190	0.019	1.07	0.203	/
		Front Side	0	11a	100.0%	Full Power	157/5785	18.00	17.71	0.098	0.026	1.07	0.105	/
		Left Edge	0	11a	100.0%	Full Power	157/5785	18.00	17.71	0.059	0.031	1.07	0.063	/
		Right Edge	0	11a	100.0%	Full Power	157/5785	18.00	17.71	0.056	0.080	1.07	0.060	/
		Top Edge	0	11a	100.0%	Full Power	157/5785	18.00	17.71	0.256	0.054	1.07	0.274	/
		Bottom Edge	0	N/A	100.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
Bluetooth	ANT2	Back Side	0	DH5	77.0%	Full Power	78/2480	13.00	12.71	0.024	0.078	1.39	0.034	/
		Front Side	0	DH5	77.0%	Full Power	78/2480	13.00	12.71	0.020	-0.100	1.39	0.028	/
		Left Edge	0	DH5	77.0%	Full Power	78/2480	13.00	12.71	0.003	0.026	1.39	0.004	/
		Right Edge	0	DH5	77.0%	Full Power	78/2480	13.00	12.71	0.025	0.187	1.39	0.035	70
		Top Edge	0	DH5	77.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0	N/A	77.0%	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

EN-DC SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	Offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g (W/Kg)	Scaling Factor	Report SAR10g (W/kg)
LTE 5	ANT4/5	Back Side	0	QPSK	Full Power	1	25	20525/836.5	23.50	23.50	0.993	1.00	0.993
			0	QPSK	Full Power	50%	13	20600/844	22.50	22.50	0.873	1.00	0.873
		Front Side	0	QPSK	Full Power	1	25	20525/836.5	23.50	23.50	0.508	1.00	0.508
			0	QPSK	Full Power	50%	13	20600/844	22.50	22.50	0.435	1.00	0.435

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LTE 7	ANT8	Left Edge	0	QPSK	Full Power	1	25	20525/836.5	23.50	23.50	0.295	1.00	0.295
			0	QPSK	Full Power	50%	13	20600/844	22.50	22.50	0.208	1.00	0.208
		Right Edge	0	QPSK	Full Power	1	25	20525/836.5	23.50	23.50	0.394	1.00	0.394
			0	QPSK	Full Power	50%	13	20600/844	22.50	22.50	0.300	1.00	0.300
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	QPSK	Full Power	1	25	20525/836.5	23.50	23.50	0.331	1.00	0.331
			0	QPSK	Full Power	50%	13	20600/844	22.50	22.50	0.260	1.00	0.260
	ANT8	Back Side	0	QPSK	Full Power	1	99	20850/2510	21.00	23.50	2.543	0.56	1.430
			0	QPSK	Full Power	1	99	21100/2535	21.00	23.50	2.554	0.56	1.436
			0	QPSK	Full Power	1	99	21350/2560	21.00	23.50	2.198	0.56	1.236
			0	QPSK	Full Power	50%	25	21350/2560	21.00	22.50	1.851	0.71	1.311
		Back Side	10	QPSK	Full Power	100%	0	21350/2560	21.00	22.50	1.925	0.71	1.363
		Front Side	0	QPSK	Full Power	1	99	21100/2535	21.00	23.50	2.189	0.56	1.231
			0	QPSK	Full Power	50%	25	21350/2560	21.00	22.50	1.779	0.71	1.260
		Left Edge	0	QPSK	Full Power	1	99	21100/2535	21.00	23.50	1.897	0.56	1.067
			0	QPSK	Full Power	50%	25	21350/2560	21.00	22.50	1.623	0.71	1.149
		Right Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LTE 12	ANT4/5	Back Side	0	QPSK	Full Power	1	25	23095/707.5	24.00	24.00	0.831	1.00	0.831
			0	QPSK	Full Power	50%	25	23060/704	23.00	23.00	0.753	1.00	0.753
		Front Side	0	QPSK	Full Power	1	25	23095/707.5	24.00	24.00	0.359	1.00	0.359
			0	QPSK	Full Power	50%	25	23060/704	23.00	23.00	0.285	1.00	0.285
		Left Edge	0	QPSK	Full Power	1	25	23095/707.5	24.00	24.00	0.095	1.00	0.095
			0	QPSK	Full Power	50%	25	23060/704	23.00	23.00	0.085	1.00	0.085
		Right Edge	0	QPSK	Full Power	1	25	23095/707.5	24.00	24.00	0.455	1.00	0.455
			0	QPSK	Full Power	50%	25	23060/704	23.00	23.00	0.417	1.00	0.417
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	QPSK	Full Power	1	25	23095/707.5	24.00	24.00	0.315	1.00	0.315
			0	QPSK	Full Power	50%	25	23060/704	23.00	23.00	0.297	1.00	0.297
LTE 14	ANT4/5	Back Side	0	QPSK	Full Power	1	25	23330/793	23.50	23.50	0.771	1.00	0.771
			0	QPSK	Full Power	50%	25	23330/793	22.50	22.50	0.693	1.00	0.693
		Front Side	0	QPSK	Full Power	1	25	23330/793	23.50	23.50	0.398	1.00	0.398
			0	QPSK	Full Power	50%	25	23330/793	22.50	22.50	0.288	1.00	0.288
		Left Edge	0	QPSK	Full Power	1	25	23330/793	23.50	23.50	0.097	1.00	0.097
			0	QPSK	Full Power	50%	25	23330/793	22.50	22.50	0.078	1.00	0.078
		Right Edge	0	QPSK	Full Power	1	25	23330/793	23.50	23.50	0.183	1.00	0.183
			0	QPSK	Full Power	50%	25	23330/793	22.50	22.50	0.136	1.00	0.136

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		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	QPSK	Full Power	1	25	23330/793	23.50	23.50	0.289	1.00	0.289
			0	QPSK	Full Power	50%	25	23330/793	22.50	22.50	0.211	1.00	0.211
LTE 25	ANT4/5	Back Side	0	QPSK	Full Power	1	50	26365/1882.5	23.50	23.50	1.775	1.00	1.775
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	22.50	1.634	1.00	1.634
		Front Side	0	QPSK	Full Power	1	50	26365/1882.5	23.50	23.50	1.600	1.00	1.600
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	22.50	1.272	1.00	1.272
		Left Edge	0	QPSK	Full Power	1	50	26365/1882.5	23.50	23.50	0.055	1.00	0.055
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	22.50	0.050	1.00	0.050
		Right Edge	0	QPSK	Full Power	1	50	26365/1882.5	23.50	23.50	1.825	1.00	1.825
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	22.50	1.609	1.00	1.609
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	QPSK	Full Power	1	50	26365/1882.5	23.50	23.50	0.680	1.00	0.680
			0	QPSK	Full Power	50%	0	26365/1882.5	22.50	22.50	0.761	1.00	0.761
LTE 41	ANT8	Back Side	0	QPSK	Full Power	1	0	39750/2506	23.50	23.50	1.065	1.00	1.065
			0	QPSK	Full Power	50%	0	39750/2506	22.50	22.50	1.049	1.00	1.049
		Front Side	0	QPSK	Full Power	1	0	39750/2506	23.50	23.50	1.107	1.00	1.107
			0	QPSK	Full Power	50%	0	39750/2506	22.50	22.50	0.890	1.00	0.890
		Left Edge	0	QPSK	Full Power	1	0	39750/2506	23.50	23.50	0.868	1.00	0.868
			0	QPSK	Full Power	50%	0	39750/2506	22.50	22.50	0.754	1.00	0.754
		Right Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Top Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g (W/Kg)	Scaling Factor	Report SAR10g (W/kg)
n5	ANT4/5	Back Side	0	DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	23.50	0.818	1.00	0.818
			0	DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	23.50	0.782	1.00	0.782
		Front Side	0	DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	23.50	0.406	1.00	0.406
			0	DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	23.50	0.406	1.00	0.406
		Left Edge	0	DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	23.50	0.201	1.00	0.201
			0	DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	23.50	0.213	1.00	0.213
		Right Edge	0	DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	23.50	0.282	1.00	0.282
			0	DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	23.50	0.282	1.00	0.282
		Top Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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		Bottom Edge	0	DFT-s-OFDM QPSK	Full Power	1	104	167300/836.5	23.50	23.50	0.313	1.00	0.313
			0	DFT-s-OFDM QPSK	Full Power	50%	25	166800/834	23.50	23.50	0.372	1.00	0.372
n7	ANT8	Back Side	0	DFT-s-OFDM QPSK	Full Power	1	104	502000/2510	20.50	23.50	2.140	0.50	1.073
			0	DFT-s-OFDM QPSK	Full Power	1	104	507000/2535	20.50	23.50	2.159	0.50	1.082
			0	DFT-s-OFDM QPSK	Full Power	1	1	512000/2560	20.50	23.50	2.148	0.50	1.077
			0	DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	20.50	23.50	2.149	0.50	1.077
			0	DFT-s-OFDM QPSK	Full Power	50%	25	502000/2510	20.50	23.50	2.198	0.50	1.102
			0	DFT-s-OFDM QPSK	Full Power	50%	25	512000/2560	20.50	23.50	2.091	0.50	1.048
		Front Side	0	DFT-s-OFDM QPSK	Full Power	1	104	502000/2510	20.50	23.50	2.205	0.50	1.105
			0	DFT-s-OFDM QPSK	Full Power	1	104	507000/2535	20.50	23.50	2.170	0.50	1.088
			0	DFT-s-OFDM QPSK	Full Power	1	1	512000/2560	20.50	23.50	2.148	0.50	1.077
			0	DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	20.50	23.50	2.106	0.50	1.056
			0	DFT-s-OFDM QPSK	Full Power	50%	25	502000/2510	20.50	23.50	1.967	0.50	0.986
			0	DFT-s-OFDM QPSK	Full Power	50%	25	512000/2560	20.50	23.50	1.971	0.50	0.988
			0	DFT-s-OFDM QPSK	Full Power	100%	0	502000/2510	20.50	22.50	1.819	0.63	1.148
			0	DFT-s-OFDM QPSK	Full Power	100%	0	507000/2535	20.50	22.50	1.757	0.63	1.108
			0	DFT-s-OFDM QPSK	Full Power	100%	0	512000/2560	20.50	22.50	1.820	0.63	1.148
		Left Edge	0	DFT-s-OFDM QPSK	Full Power	1	104	502000/2510	20.50	23.50	1.803	0.50	0.904
			0	DFT-s-OFDM QPSK	Full Power	50%	25	507000/2535	20.50	23.50	1.860	0.50	0.932
		Right Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Top Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n25	ANT4/5	Back Side	0	DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	22.00	23.50	1.116	0.71	0.790
			0	DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	22.00	23.50	1.140	0.71	0.807
		Front Side	0	DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	22.00	23.50	1.501	0.71	1.063
			0	DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	22.00	23.50	1.496	0.71	1.059
		Left Edge	0	DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	22.00	23.50	0.073	0.71	0.051
			0	DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	22.00	23.50	0.084	0.71	0.059
		Right Edge	0	DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	22.00	23.50	1.610	0.71	1.140
			0	DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	22.00	23.50	1.543	0.71	1.092
		Top Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	DFT-s-OFDM QPSK	Full Power	1	104	381000/1905	22.00	23.50	0.845	0.71	0.598
			0	DFT-s-OFDM QPSK	Full Power	50%	25	381000/1905	22.00	23.50	0.919	0.71	0.650
n41	ANT8	Back Side	0	DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	23.50	0.504	1.00	0.504
			0	DFT-s-OFDM QPSK	Full Power	50%	135	509202/2546.01	23.50	23.50	0.522	1.00	0.522
		Front Side	0	DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	23.50	0.420	1.00	0.420
			0	DFT-s-OFDM QPSK	Full Power	50%	135	509202/2546.01	23.50	23.50	0.438	1.00	0.438
		Left Edge	0	DFT-s-OFDM QPSK	Full Power	1	271	518598/2592.99	23.50	23.50	0.397	1.00	0.397
			0	DFT-s-OFDM QPSK	Full Power	50%	135	509202/2546.01	23.50	23.50	0.385	1.00	0.385

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		Right Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Top Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n77 PC2	ANT7	Back Side	0	DFT-s-OFDM QPSK	Full Power	1	1	633332/3500	22.00	24.00	0.955	0.63	0.603	
			0	DFT-s-OFDM QPSK	Full Power	50%	67	633332/3500	22.00	24.00	0.801	0.63	0.506	
		Front Side	0	DFT-s-OFDM QPSK	Full Power	1	1	633332/3500	22.00	24.00	0.782	0.63	0.494	
			0	DFT-s-OFDM QPSK	Full Power	50%	67	633332/3500	22.00	24.00	0.755	0.63	0.476	
		Left Edge	0	DFT-s-OFDM QPSK	Full Power	1	1	633332/3500	22.00	24.00	0.672	0.63	0.424	
			0	DFT-s-OFDM QPSK	Full Power	50%	67	633332/3500	22.00	24.00	0.657	0.63	0.415	
		Right Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Top Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			0	DFT-s-OFDM QPSK	Full Power	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

10.3 Simultaneous Transmission Analysis

Simultaneous Transmission Configurations	Body-worn & Hotspot	Extremity
WWAN + Bluetooth	Yes	Yes
WWAN + Wi-Fi 2.4GHz	Yes	Yes
WWAN + Wi-Fi 5GHz+ Bluetooth	Yes	Yes

General Note:

1. The Scaled SAR summation is calculated based on the same configuration and test position.
2. Per KDB 447498 D01, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation $< 1.6\text{W/kg}$, simultaneously transmission SAR measurement is not necessary.
 - ii) $\text{SPLSR} = (\text{SAR1} + \text{SAR2})^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $\text{SPLSR} \leq 0.04$, simultaneously transmission SAR measurement is not necessary.

The Maximum SAR_{1g} Value for WWAN Antenna

SAR _{1g} (W/kg)		WCDMA	WCDMA	WCDMA	LTE	LTE	LTE	LTE	LTE	LTE	LTE	LTE	LTE	MAX.
Test Position		Band II	Band II	Band V	FDD 5	FDD 7	FDD 12	FDD 14	FDD 25	TDD 41	TDD 48	FDD 66	FDD 71	SAR _{1g}
Body worn	Back Side	0.976	1.005	0.672	0.997	1.061	0.510	0.392	0.704	0.498	0.244	1.051	0.366	1.061
	Front Side	0.893	0.697	0.296	0.638	0.741	0.389	0.304	0.576	0.336	0.149	0.652	0.237	0.893
Hotspot	Back Side	0.976	1.005	0.672	0.997	1.061	0.510	0.392	0.704	0.498	0.244	1.051	0.366	1.061
	Front Side	0.893	0.697	0.296	0.638	0.741	0.389	0.304	0.576	0.336	0.149	0.652	0.237	0.893
	Left Edge	0.081	0.001	0.144	0.134	1.037	0.123	0.057	0.078	0.504	0.520	0.024	0.075	1.037
	Right Edge	0.664	0.523	0.069	0.234	N/A	0.142	0.079	0.548	N/A	N/A	0.637	0.158	0.664
	Top Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000
	Bottom Edge	0.714	0.797	0.111	0.105	N/A	0.065	0.081	0.591	N/A	N/A	0.883	0.126	0.883
Extremity 10-g SAR	Back Side	2.063	1.717	1.288	0.993	2.554	0.831	0.771	1.775	1.065	0.829	1.669	0.797	2.554
	Front Side	1.984	1.299	0.703	0.508	1.922	0.359	0.398	1.600	1.107	0.736	1.414	0.243	1.984
	Left Edge	0.073	0.052	0.154	0.295	1.897	0.095	0.097	0.055	0.868	1.103	0.041	0.086	1.897
	Right Edge	1.533	1.053	0.360	0.394	N/A	0.455	0.183	1.825	N/A	N/A	0.966	0.403	1.825
	Top Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000
	Bottom Edge	1.398	1.265	0.481	0.331	N/A	0.315	0.289	0.761	N/A	N/A	1.367	0.246	1.398

SAR _{1g} (W/kg)		NR n5	NR n7	NR n12	NR n25	NR n41	NR n48	NR n66	NR n71	NR n77 PC2	NTN n255	NTN n23	MAX. SAR _{1g}
Test Position													
Body worn	Back Side	0.514	1.187	0.591	0.410	0.220	0.431	1.118	0.222	0.473	0.210	0.391	1.187
	Front Side	0.236	0.753	0.372	0.517	0.167	0.325	0.505	0.133	0.333	0.161	0.245	0.753
Hotspot	Back Side	0.514	1.187	0.591	0.410	0.220	0.431	1.118	0.222	0.473	0.210	0.391	1.187
	Front Side	0.236	0.753	0.372	0.517	0.167	0.325	0.505	0.133	0.333	0.161	0.245	0.753
	Left Edge	0.123	1.100	0.163	0.061	0.190	0.373	0.001	0.001	0.465	0.105	0.206	1.100
	Right Edge	0.156	N/A	0.320	0.517	N/A	N/A	0.615	0.104	N/A	N/A	N/A	0.615
	Top Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.087	0.382	0.382
	Bottom Edge	0.504	N/A	0.232	0.781	N/A	N/A	1.244	0.362	N/A	N/A	N/A	1.244
Extremity 10-g SAR	Back Side	0.818	2.198	0.679	1.140	0.522	0.949	1.800	0.837	0.955	0.894	1.256	2.198
	Front Side	0.406	2.205	0.292	1.501	0.438	0.759	1.511	0.311	0.782	0.527	0.950	2.205
	Left Edge	0.213	1.860	0.045	0.084	0.397	0.612	0.044	0.034	0.672	0.295	0.902	1.860
	Right Edge	0.282	N/A	0.329	1.610	N/A	N/A	1.693	0.328	N/A	N/A	N/A	1.693
	Top Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.385	0.829	0.829
	Bottom Edge	0.372	N/A	0.250	0.919	N/A	N/A	1.341	0.210	N/A	N/A	N/A	1.341

EN-DC SAR

Test Position		SAR _{1g} (W/kg)	LTE FDD 25	LTE FDD 5	LTE FDD 7	LTE FDD 12	LTE FDD 14	LTE TDD 41	LTE FDD 66	LTE FDD 71	NR n25	NR n5	NR n7	NR n12	NR n25	NR n41	NR n66	NR n71	NR n77	MAX. SAR _{1g}
Body worn	Back Side		0.704	0.714	0.597	0.510	0.392	0.498	0.588	0.366	0.291	0.514	0.595	0.591	0.410	0.220	0.500	0.222	0.299	0.597
	Front Side		0.576	0.488	0.432	0.389	0.304	0.336	0.329	0.237	0.366	0.236	0.377	0.372	0.517	0.167	0.226	0.133	0.210	0.517
Hotspot	Back Side		0.704	0.714	0.597	0.510	0.392	0.498	0.588	0.366	0.291	0.514	0.595	0.591	0.410	0.220	0.500	0.222	0.299	0.597
	Front Side		0.576	0.488	0.432	0.389	0.304	0.336	0.329	0.237	0.366	0.236	0.377	0.372	0.517	0.167	0.226	0.133	0.210	0.517
	Left Edge		0.078	0.095	0.583	0.123	0.057	0.504	0.012	0.075	0.043	0.123	0.551	0.163	0.061	0.190	0.001	0.001	0.294	0.583
	Right Edge		0.548	0.166	0.000	0.142	0.079	0.000	0.402	0.158	0.366	0.156	0.000	0.320	0.517	0.000	0.275	0.104	0.000	0.517
	Top Edge		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge		0.591	0.074	0.000	0.065	0.081	0.000	0.534	0.126	0.553	0.504	0.000	0.232	0.781	0.000	0.556	0.362	0.000	0.781
10-g SAR Extremity	Back Side		1.775	0.364	1.436	0.831	0.771	1.065	0.960	0.797	0.807	0.818	1.102	0.679	1.140	0.522	0.750	0.837	0.603	1.456
	Front Side		1.600	0.167	1.260	0.359	0.398	1.107	0.709	0.243	1.063	0.406	1.148	0.292	1.501	0.438	0.630	0.311	0.494	1.501
	Left Edge		0.055	0.087	1.149	0.095	0.097	0.868	0.026	0.086	0.059	0.213	0.932	0.045	0.084	0.397	0.018	0.034	0.424	1.149
	Right Edge		1.825	0.111	0.000	0.455	0.183	0.000	0.609	0.403	1.140	0.282	0.000	0.329	1.610	0.000	0.706	0.328	0.000	1.610
	Top Edge		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge		0.761	0.357	0.000	0.315	0.289	0.000	0.788	0.246	0.650	0.372	0.000	0.250	0.919	0.000	0.558	0.210	0.000	0.919

Test Position		SAR _{1g} (W/kg)	DC_5A _n2A	DC_12A _n2A	DC_14A _n2A	DC_71A _n2A	DC_2A _n5A	DC_7A _n5A	DC_66A _n5A	DC_5A _n7A	DC_12A _n7A	DC_2A _n12A	DC_66A _n12A	DC_5A _n25A	DC_12A _n25A	DC_71A _n25A	MAX. SAR _{1g}
Body worn	Back Side		0.796	0.800	0.683	0.657	1.068	1.111	1.102	1.100	1.105	1.145	1.179	0.916	0.920	0.777	1.179
	Front Side		0.711	0.755	0.670	0.603	0.698	0.669	0.565	0.723	0.766	0.833	0.700	0.862	0.906	0.754	0.906
Hotspot	Back Side		0.796	0.800	0.683	0.657	1.068	1.111	1.102	1.100	1.105	1.145	1.179	0.916	0.920	0.777	1.179
	Front Side		0.711	0.755	0.670	0.603	0.698	0.669	0.565	0.723	0.766	0.833	0.700	0.862	0.906	0.754	0.906
	Left Edge		0.110	0.166	0.100	0.118	0.178	0.706	0.135	0.618	0.674	0.218	0.175	0.128	0.184	0.135	0.706
	Right Edge		0.483	0.508	0.445	0.524	0.644	0.156	0.558	0.117	0.142	0.808	0.722	0.634	0.659	0.675	0.808
	Top Edge		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge		0.605	0.617	0.634	0.679	0.953	0.504	1.038	0.052	0.065	0.681	0.766	0.833	0.845	0.907	1.038
10-g SAR Extremity	Back Side		1.065	1.638	1.578	1.604	2.274	2.254	1.778	1.359	1.932	2.136	1.639	1.398	1.970	1.937	2.274
	Front Side		1.181	1.422	1.461	1.306	1.540	1.666	1.115	1.267	1.507	1.426	1.001	1.620	1.860	1.745	1.860
	Left Edge		0.121	0.154	0.157	0.145	0.257	1.362	0.238	0.994	1.027	0.089	0.071	0.145	0.178	0.170	1.362
	Right Edge		1.218	1.595	1.323	1.543	1.716	0.282	0.892	0.078	0.455	1.763	0.938	1.688	2.065	2.014	2.065
	Top Edge		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge		0.903	0.965	0.939	0.896	1.050	0.372	1.160	0.253	0.315	0.928	1.037	1.171	1.233	1.164	1.233

Test Position		SAR _{1g} (W/kg)	DC_71A	DC_2A	DC_4A	DC_5A	DC_12A	DC_2A	DC_12A	DC_5A	DC_12A	DC_14A	DC_2A	DC_7A	DC_66A	MAX.
			_n38A	_n41A	_n41A	(DC_5A _n38A)	(DC_12A _n38A)	_n41A	_n41A	_n66A	_n66A	_n66A	_n71A	_n71A	_n71A	SAR _{1g}
Body worn	Back Side		0.586	0.773	0.807	0.725	0.730	0.773	0.730	1.005	1.009	0.892	0.776	0.819	0.810	1.009
	Front Side		0.404	0.628	0.496	0.512	0.556	0.628	0.556	0.571	0.615	0.530	0.594	0.565	0.461	0.628
Hotspot	Back Side		0.586	0.773	0.807	0.725	0.730	0.773	0.730	1.005	1.009	0.892	0.776	0.819	0.810	1.009
	Front Side		0.404	0.628	0.496	0.512	0.556	0.628	0.556	0.571	0.615	0.530	0.594	0.565	0.461	0.628
	Left Edge		0.265	0.245	0.202	0.257	0.313	0.245	0.313	0.068	0.124	0.058	0.056	0.584	0.013	0.584
	Right Edge		0.158	0.488	0.402	0.117	0.142	0.488	0.142	0.392	0.417	0.354	0.592	0.104	0.505	0.592
	Top Edge		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge		0.126	0.449	0.534	0.052	0.065	0.449	0.065	0.608	0.620	0.636	0.811	0.362	0.896	0.896
10-g SAR	Back Side		1.319	1.978	1.481	0.779	1.352	1.978	1.352	1.008	1.581	1.522	2.293	2.273	1.797	2.293
	Front Side		0.682	1.572	1.147	0.557	0.797	1.572	0.797	0.748	0.989	1.028	1.445	1.571	1.019	1.572
	Left Edge		0.483	0.442	0.423	0.459	0.492	0.442	0.492	0.080	0.113	0.116	0.078	1.183	0.059	1.183
	Right Edge		0.403	1.434	0.609	0.078	0.455	1.434	0.455	0.784	1.161	0.889	1.762	0.328	0.938	1.762
	Top Edge		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge		0.246	0.678	0.788	0.253	0.315	0.678	0.315	0.811	0.873	0.847	0.888	0.210	0.997	0.997

Test Position		SAR _{1g} (W/kg)	DC_5A	DC_7A	DC_12A	DC_14A	DC_25A	DC_41A	DC_66A	DC_71A	DC_2A	DC_4A	MAX.
			_n77A	_n77A	_n77A	_n77A	_n77A	_n77A	_n77A	_n77A	_n78A	_n78A	SAR _{1g}
Body worn	Back Side		0.586	0.773	0.807	0.725	0.730	0.773	0.730	1.005	1.009	0.892	0.895
	Front Side		0.404	0.628	0.496	0.512	0.556	0.628	0.556	0.571	0.615	0.530	0.672
Hotspot	Back Side		0.804	0.895	0.808	0.691	0.852	0.797	0.886	0.665	0.852	0.886	0.895
	Front Side		0.556	0.643	0.599	0.515	0.672	0.546	0.539	0.447	0.672	0.539	0.672
	Left Edge		0.361	0.877	0.417	0.351	0.349	0.798	0.306	0.368	0.349	0.306	0.877
	Right Edge		0.117	0.000	0.142	0.079	0.488	0.000	0.402	0.158	0.488	0.402	0.488
	Top Edge		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge		0.052	0.000	0.065	0.081	0.449	0.000	0.534	0.126	0.449	0.534	0.534
10-g SAR	Back Side		0.860	2.039	1.433	1.374	2.059	1.668	1.562	1.400	2.059	1.562	2.059
	Front Side		0.612	1.753	0.853	0.892	1.628	1.600	1.202	0.737	1.628	1.202	1.753
	Left Edge		0.486	1.573	0.519	0.521	0.468	1.292	0.450	0.510	0.468	0.450	1.573
	Right Edge		0.078	0.000	0.455	0.183	1.434	0.000	0.609	0.403	1.434	0.609	1.434
	Top Edge		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge		0.253	0.000	0.315	0.289	0.678	0.000	0.788	0.246	0.678	0.788	0.788

About Bluetooth, Wi-Fi and WWAN Antenna

SAR _{1g/10g} (W/kg) Test Position		WWAN Antenna	Wi-Fi 2.4GHz			Wi-Fi 5GHz						Bluetooth	MAX. Σ SAR _{1g/10g}	
			ANT2	ANT10	MIMO	U-NII-1 ANT2	U-NII-1 ANT10	U-NII-1 MIMO	U-NII-3 ANT2	U-NII-3 ANT10	U-NII-3 MIMO			
		1	2	3	4	5	6	7	8	9	10	11	1+MAX(2-4)	1+MAX(5-10)+11
Body worn	Back Side	1.187	0.161	0.396	0.295	0.204	0.385	0.367	0.190	0.149	0.212	0.017	1.582	1.588
	Front Side	0.906	0.082	0.131	0.213	0.175	0.155	0.330	0.090	0.091	0.180	0.010	1.119	1.246
Hotspot	Back Side	1.187	0.161	0.396	0.295	0.204	0.385	0.367	0.190	0.149	0.212	0.017	1.582	1.588
	Front Side	0.906	0.082	0.131	0.213	0.175	0.155	0.330	0.090	0.091	0.180	0.010	1.119	1.246
	Left Edge	1.100	0.001	0.017	0.018	0.001	0.074	0.075	0.001	0.030	0.031	0.001	1.117	1.176
	Right Edge	0.808	0.135	0.245	0.379	0.568	0.100	0.668	0.206	0.063	0.269	0.010	1.187	1.486
	Top Edge	0.382	0.000	0.250	0.250	0.000	0.407	0.407	0.000	0.148	0.148	0.000	0.632	0.789
	Bottom Edge	1.244	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.244	1.244
Extremity 10-g SAR	Back Side	2.554	0.305	0.649	0.954	0.312	0.390	0.702	0.197	0.203	0.400	0.034	3.508	3.290
	Front Side	2.205	0.246	0.358	0.604	0.260	0.186	0.445	0.151	0.105	0.256	0.028	2.810	2.679
	Left Edge	1.897	0.018	0.067	0.085	0.008	0.058	0.066	0.014	0.063	0.077	0.004	1.982	1.978
	Right Edge	2.065	0.468	0.415	0.883	0.407	0.086	0.494	0.288	0.060	0.348	0.035	2.948	2.593
	Top Edge	0.829	0.087	0.425	0.512	0.000	0.678	0.678	0.000	0.274	0.274	0.000	1.341	1.507
	Bottom Edge	1.398	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.398	1.398

Note:

1. The value with blue color is the maximum Σ SAR_{1g/10g} Value.

2. MAX. Σ SAR_{1g/10g} =Unlicensed SAR_{MAX} +Licensed SAR_{MAX}

3. MAX. Σ SAR_{1g} =1.588 W/kg<1.6W/kg and MAX. Σ SAR_{10g} =3.508 W/kg<4 W/kg, so the Simultaneous transmission SAR with volume scan are not required for Bluetooth, Wi-Fi and WWAN Antenna.

11 Measurement Uncertainty

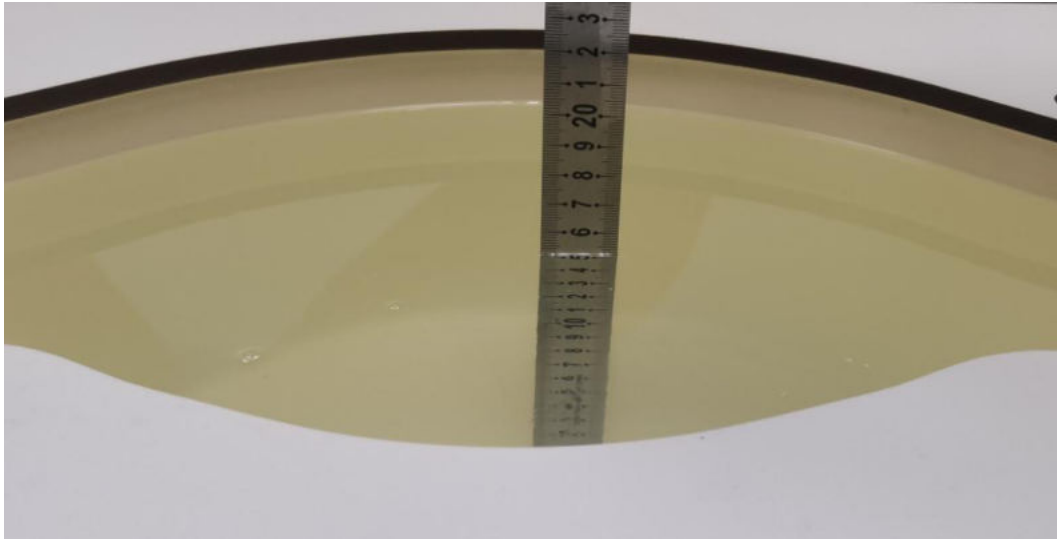
Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528- 2013 is not required in SAR reports submitted for equipment approval.

ANNEX A: Test Layout



Tissue Simulating Liquids

For the measurement of the field distribution inside the flat phantom with DASY, the phantom must be filled with around 25 liters of homogeneous tissue simulating liquid. For SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is ≥ 15 cm, which is shown as below.



Picture 3: liquid depth in the head Phantom

ANNEX B: System Check Results

Plot 1 System Performance Check at 750 MHz TSL

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3

Date: 2025/12/26

Communication System: CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.80, 9.80, 9.80); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.15 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.165V/m; Power Drift = -0.08 dB

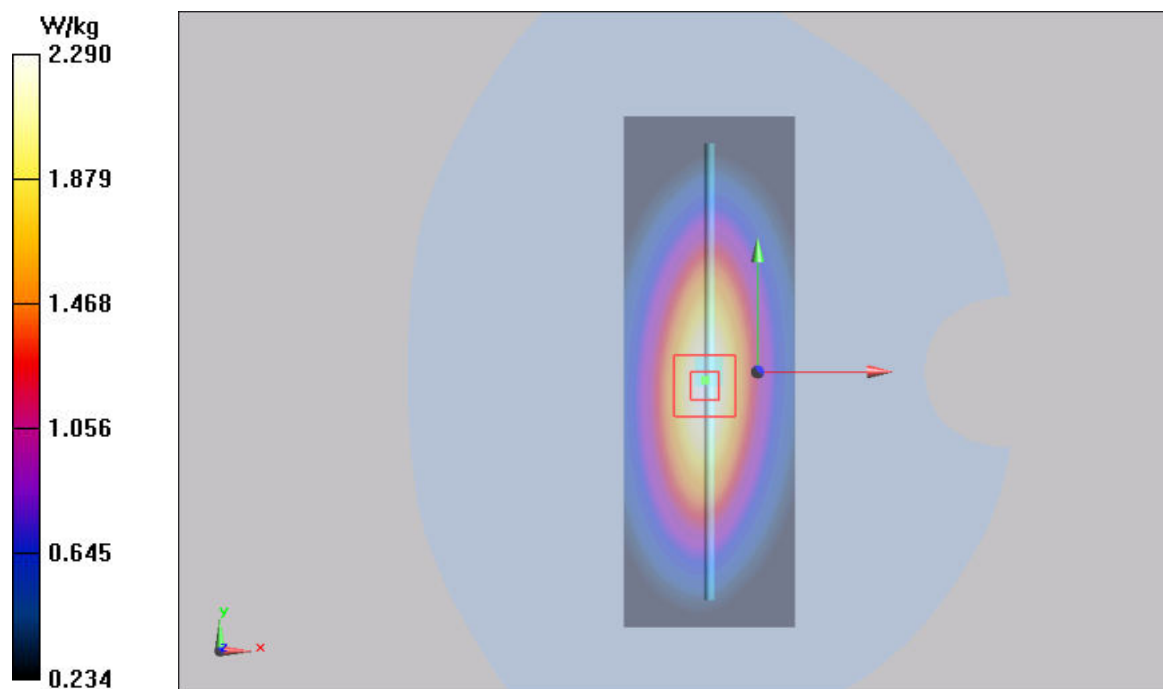
Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.41 W/kg

Smallest distance from peaks to all points 3 dB below = 8.7 mm

Ratio of SAR at M2 to SAR at M1 = 62.5%

Maximum value of SAR (measured) = 2.29 W/kg



Plot 2 System Performance Check at 750 MHz TSL

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3

Date: 2025/12/27

Communication System: CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 42.0$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.80, 9.80, 9.80); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.11 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.515 V/m ; Power Drift = 0.11 dB

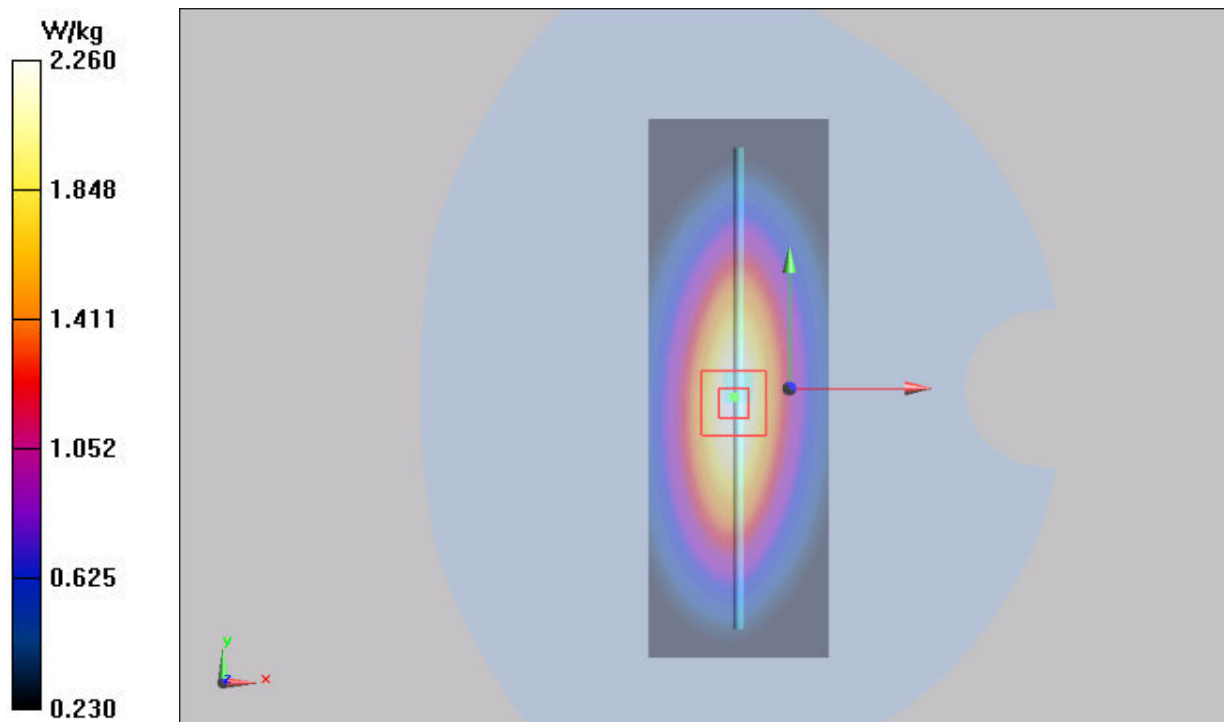
Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 2.10 W/kg ; SAR(10 g) = 1.37 W/kg

Smallest distance from peaks to all points 3 dB below = 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 69.4%

Maximum value of SAR (measured) = 2.260 W/kg



Plot 3 System Performance Check at 750 MHz TSL**DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3**

Date: 2025/12/29

Communication System: CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C

Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.80, 9.80, 9.80); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.15 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.397 V/m; Power Drift = 0.03 dB

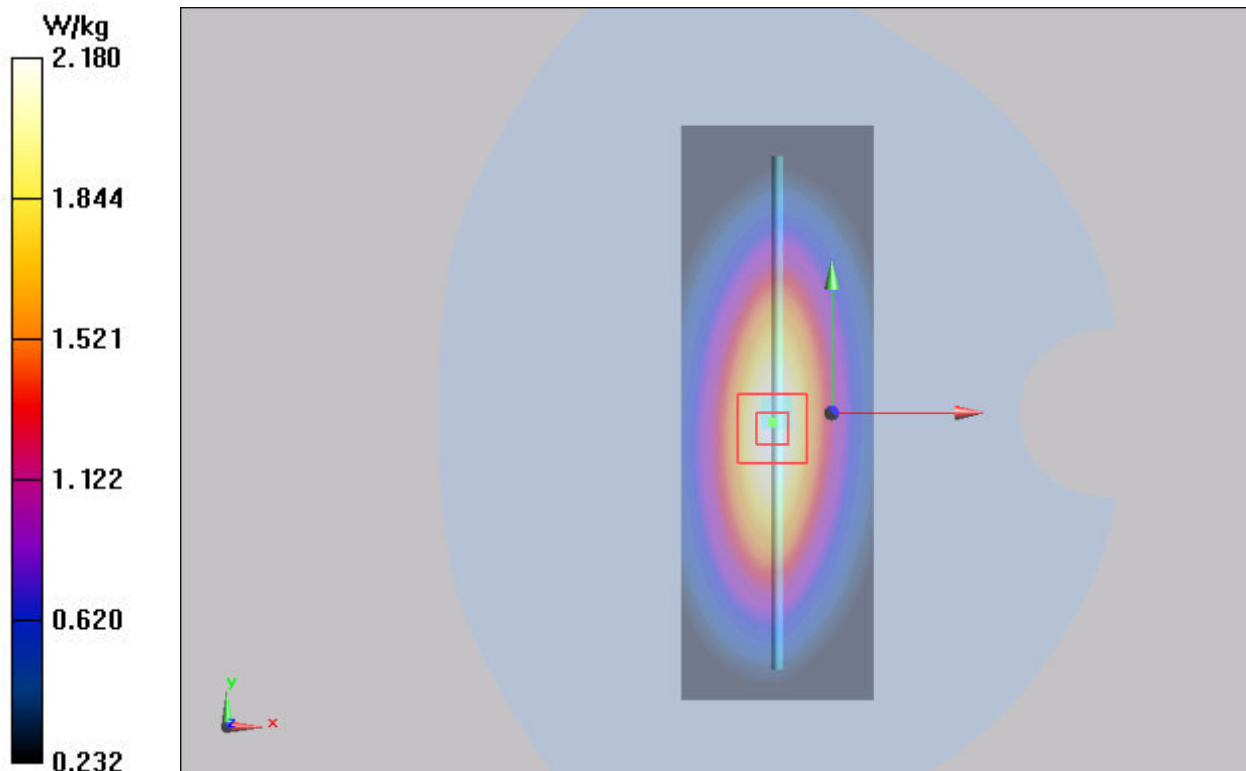
Peak SAR (extrapolated) = 3.10 W/kg

SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.34 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 61.4%

Maximum value of SAR (measured) = 2.180 W/kg



Plot 4 System Performance Check at 835 MHz TSL**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2**

Date: 2026/1/7

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.42, 9.42, 9.42); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.58 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.241 V/m; Power Drift = -0.076 dB

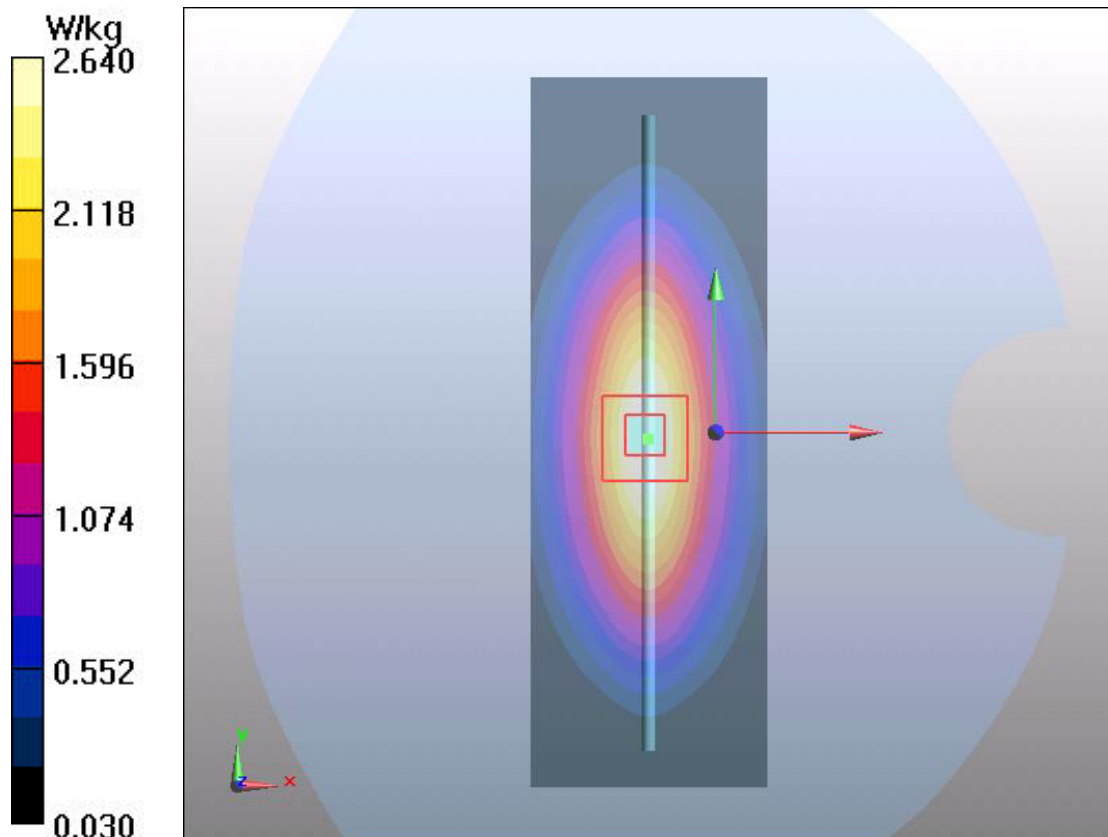
Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg

Smallest distance from peaks to all points 3 dB below = 16.6 mm

Ratio of SAR at M2 to SAR at M1 = 68.1%

Maximum value of SAR (measured) = 2.64 W/kg



Plot 5 System Performance Check at 835 MHz TSL

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2

Date: 2026/1/8

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.42, 9.42, 9.42); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.59 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 52.023 V/m ; Power Drift = -0.06 dB

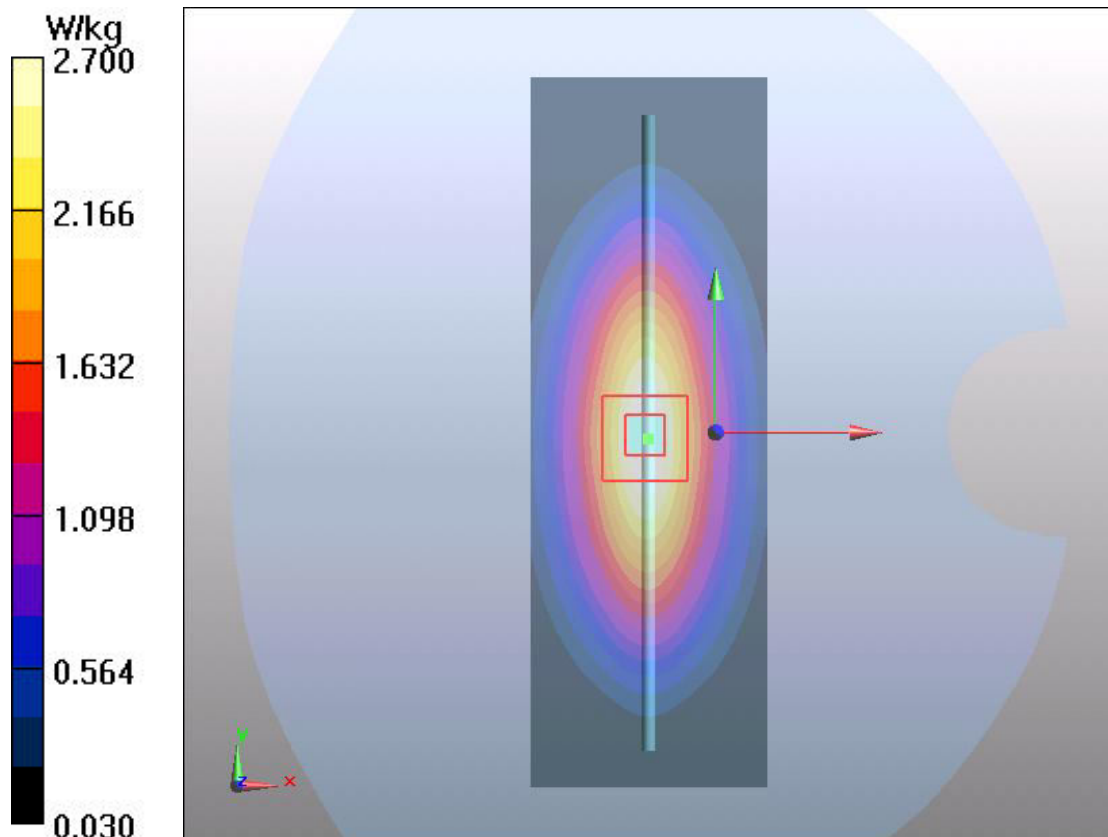
Peak SAR (extrapolated) = 3.25 W/kg

SAR(1 g) = 2.46 W/kg ; SAR(10 g) = 1.65 W/kg

Smallest distance from peaks to all points 3 dB below = 15.7 mm

Ratio of SAR at M2 to SAR at M1 = 65.4%

Maximum value of SAR (measured) = 2.70 W/kg



Plot 6 System Performance Check at 835 MHz TSL**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2**

Date: 2026/1/9

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.42, 9.42, 9.42); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.52 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.435 V/m; Power Drift = -0.014 dB

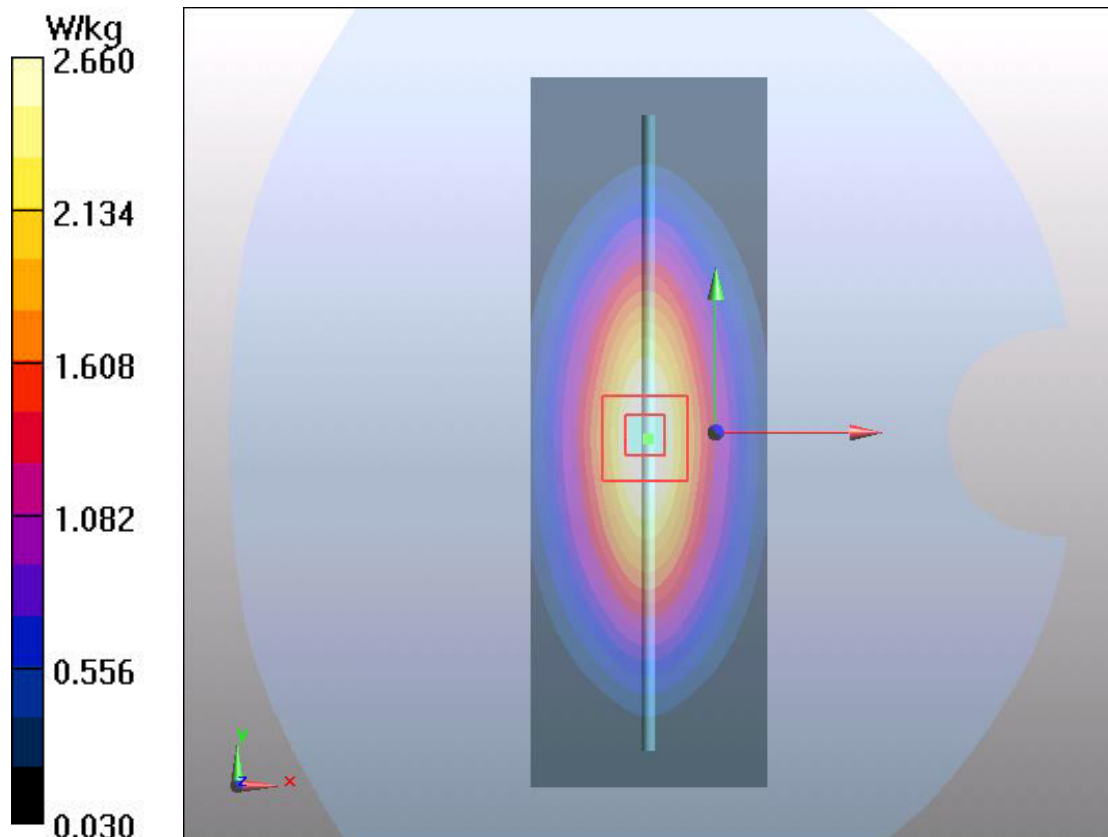
Peak SAR (extrapolated) = 3.18 W/kg

SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.61 W/kg

Smallest distance from peaks to all points 3 dB below = 16.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.8%

Maximum value of SAR (measured) = 2.660 W/kg



Plot 7 System Performance Check at 1750 MHz TSL

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2

Date: 2026/1/12

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.29, 8.29, 8.29); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.18 W/kg

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 80.385 V/m; Power Drift = 0.075 dB

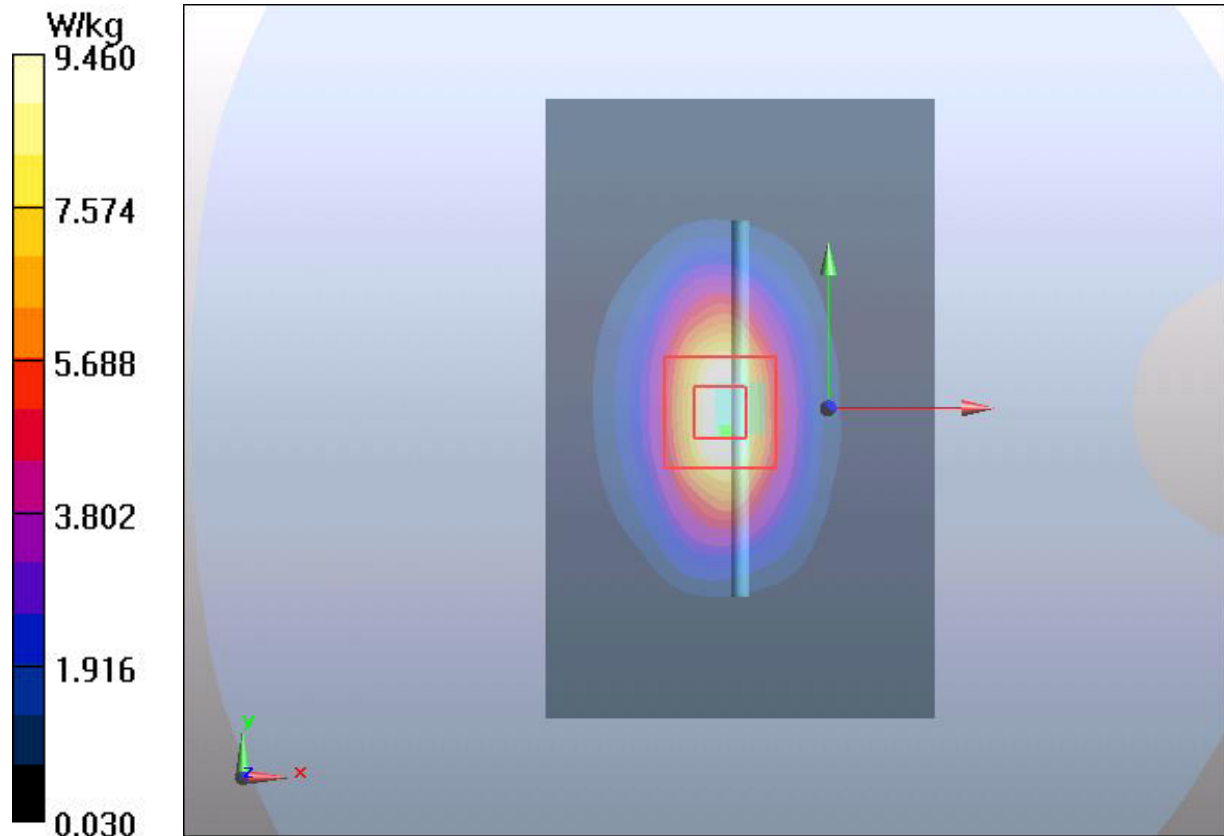
Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 8.95 W/kg; SAR(10 g) = 4.8 W/kg

Smallest distance from peaks to all points 3 dB below = 10mm

Ratio of SAR at M2 to SAR at M1 = 53.5%

Maximum value of SAR (measured) = 9.46 W/kg



Plot 8 System Performance Check at 1750 MHz TSL

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2

Date: 2026/1/13

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.29, 8.29, 8.29); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.77 W/kg

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 80.134 V/m; Power Drift = 0.055 dB

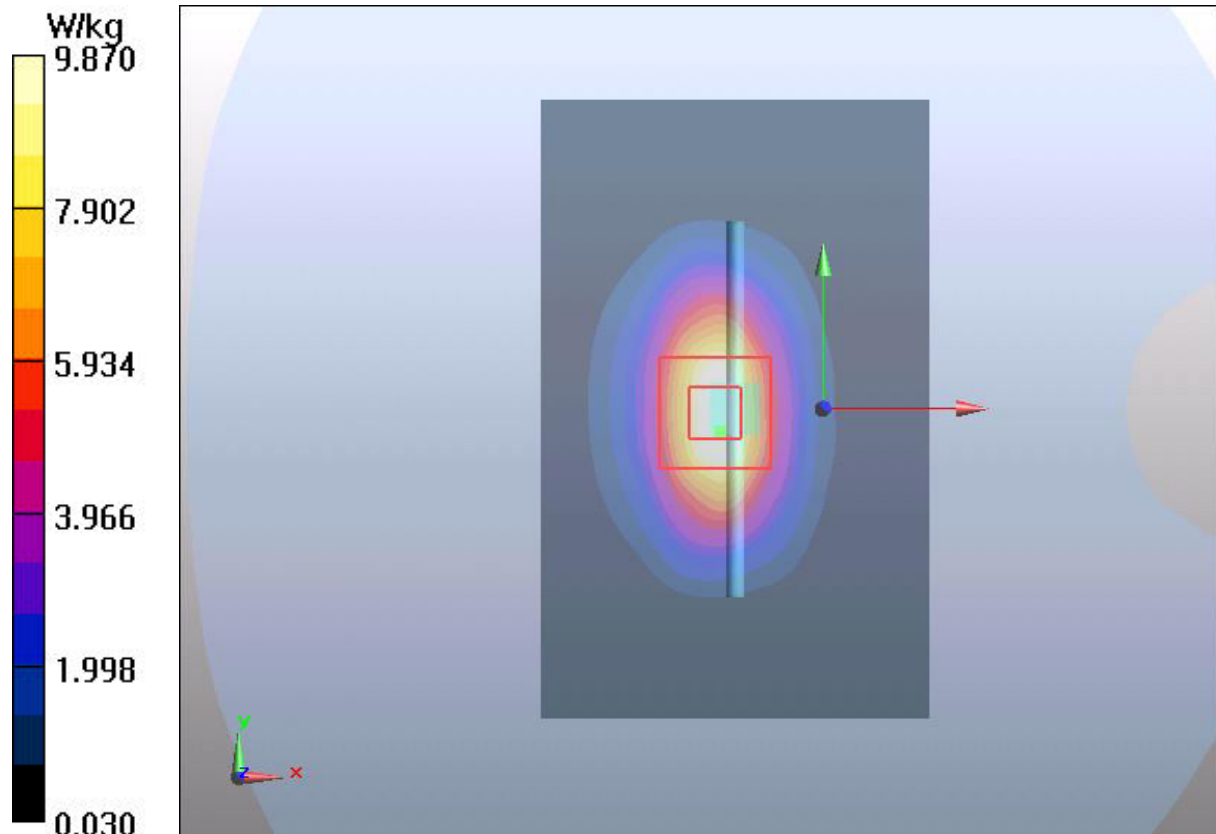
Peak SAR (extrapolated) = 15.81 W/kg

SAR(1 g) = 9.11 W/kg; SAR(10 g) = 4.77 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6mm

Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 9.87 W/kg



Plot 9System Performance Check at 1750 MHz TSL**DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2**

Date: 2026/1/14

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.29, 8.29, 8.29); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.11 W/kg

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 78.648 V/m; Power Drift = 0.023 dB

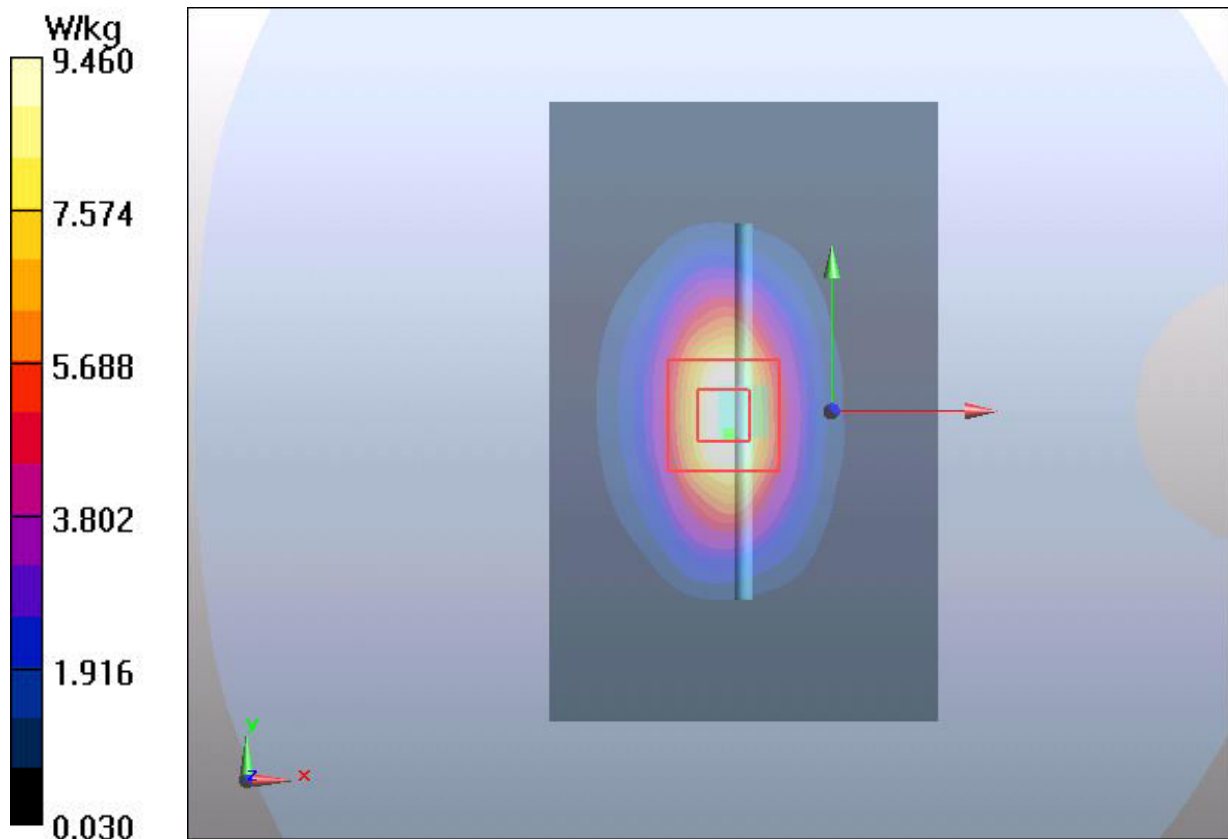
Peak SAR (extrapolated) = 15.74 W/kg

SAR(1 g) = 8.96 W/kg; SAR(10 g) = 4.75 W/kg

Smallest distance from peaks to all points 3 dB below = 10.6mm

Ratio of SAR at M2 to SAR at M1 = 56.2%

Maximum value of SAR (measured) = 9.46 W/kg



Plot 10 System Performance Check at 1900 MHz TSL

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2

Date: 2026/1/19

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.94, 7.94, 7.94); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.23 W/kg

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.857V/m; Power Drift = 0.026 dB

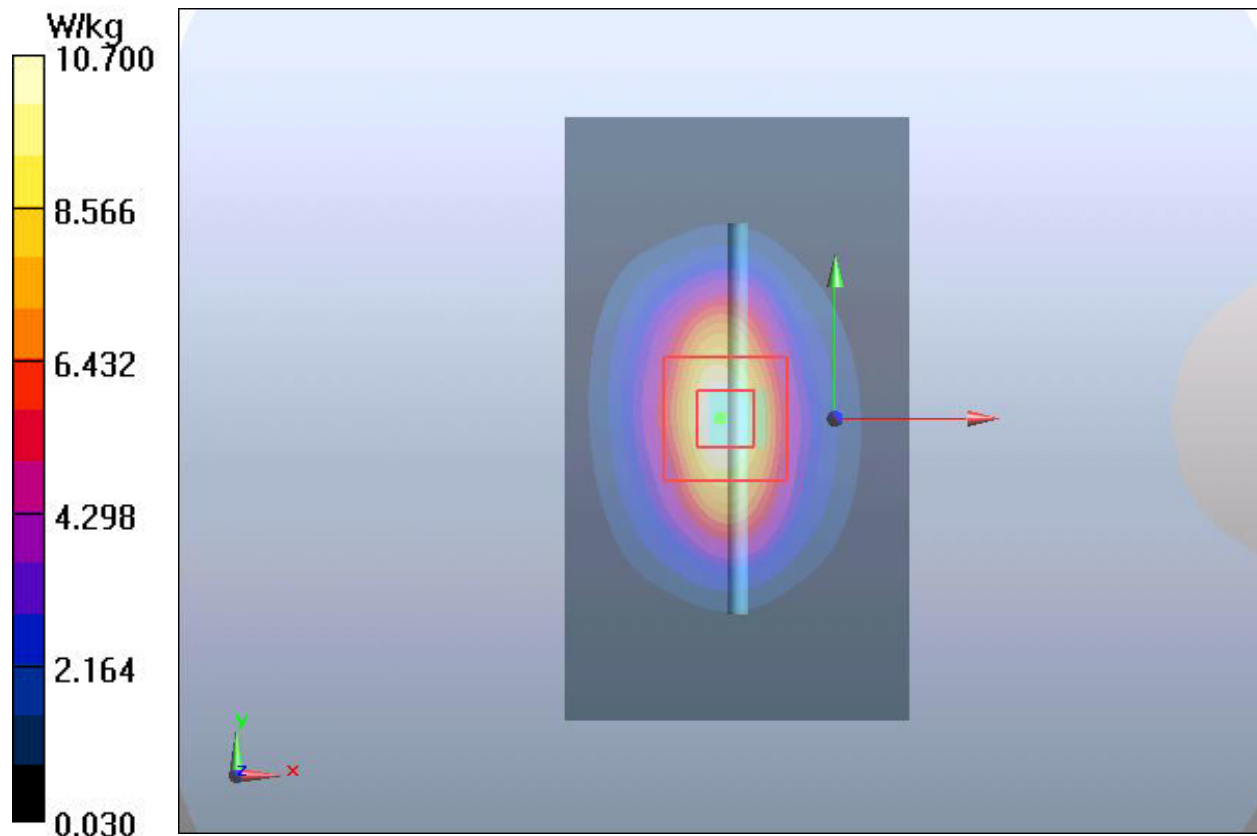
Peak SAR (extrapolated) = 17.84 W/kg

SAR(1 g) = 9.88 W/kg; SAR(10 g) = 4.9 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 10.70 W/kg



Plot 11 System Performance Check at 1900 MHz TSL

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2

Date: 2026/1/20

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.94, 7.94, 7.94); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.43 W/kg

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.324 V/m; Power Drift = 0.013 dB

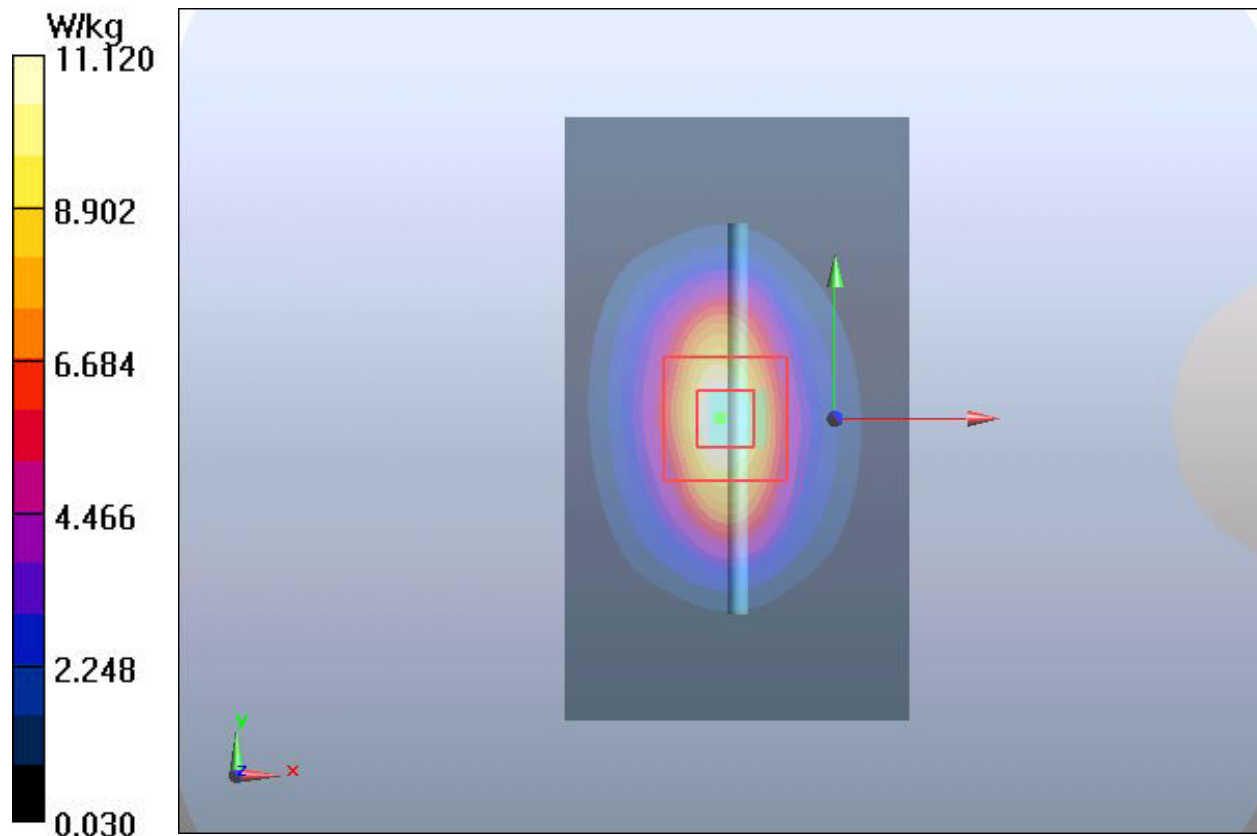
Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 9.85 W/kg; SAR(10 g) = 4.93 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2mm

Ratio of SAR at M2 to SAR at M1 = 56.3%

Maximum value of SAR (measured) = 11.12 W/kg



Plot 12 System Performance Check at 2450 MHz TSL**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2**

Date: 2026/1/15

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 14.26 W/kg

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.834 V/m; Power Drift = 0.015 dB

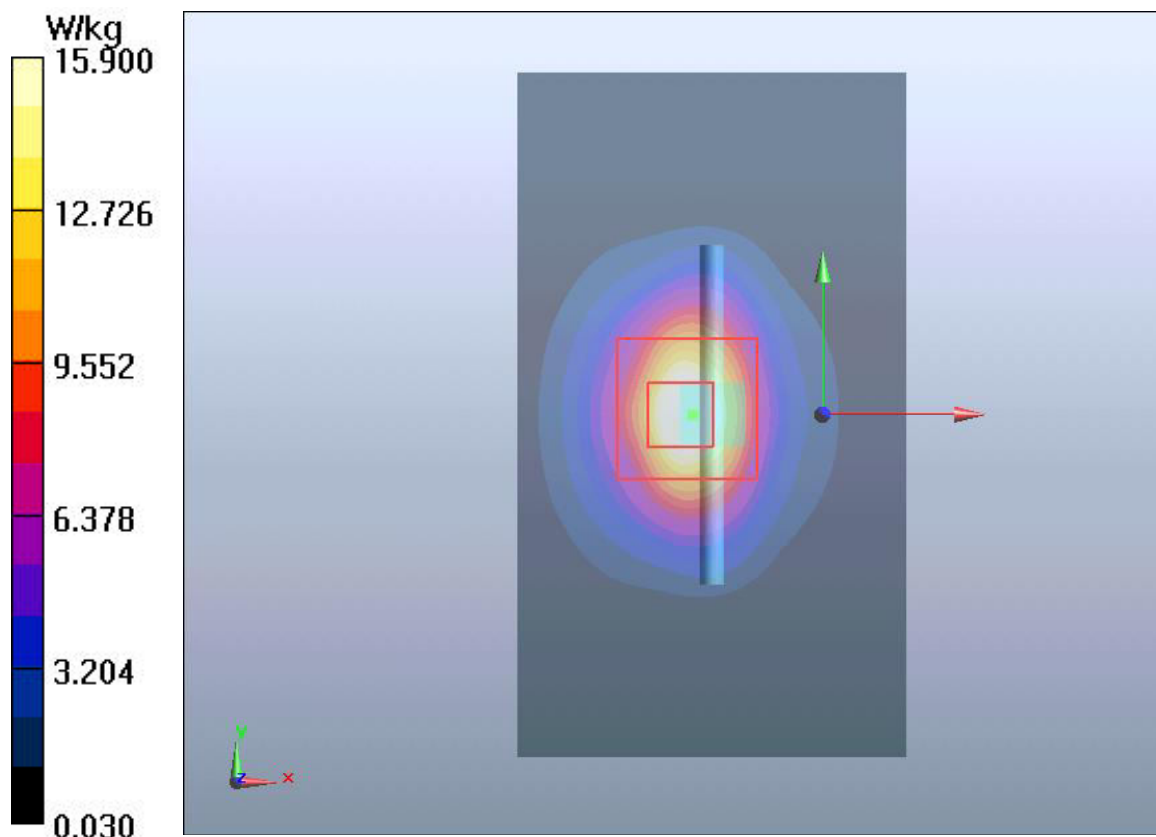
Peak SAR (extrapolated) = 30.10 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.22 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 47%

Maximum value of SAR (measured) = 15.90 W/kg



Plot 13 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2

Date: 2026/1/16

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.38, 7.38, 7.38); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 14.43 W/kg

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.998 V/m; Power Drift = -0.04 dB

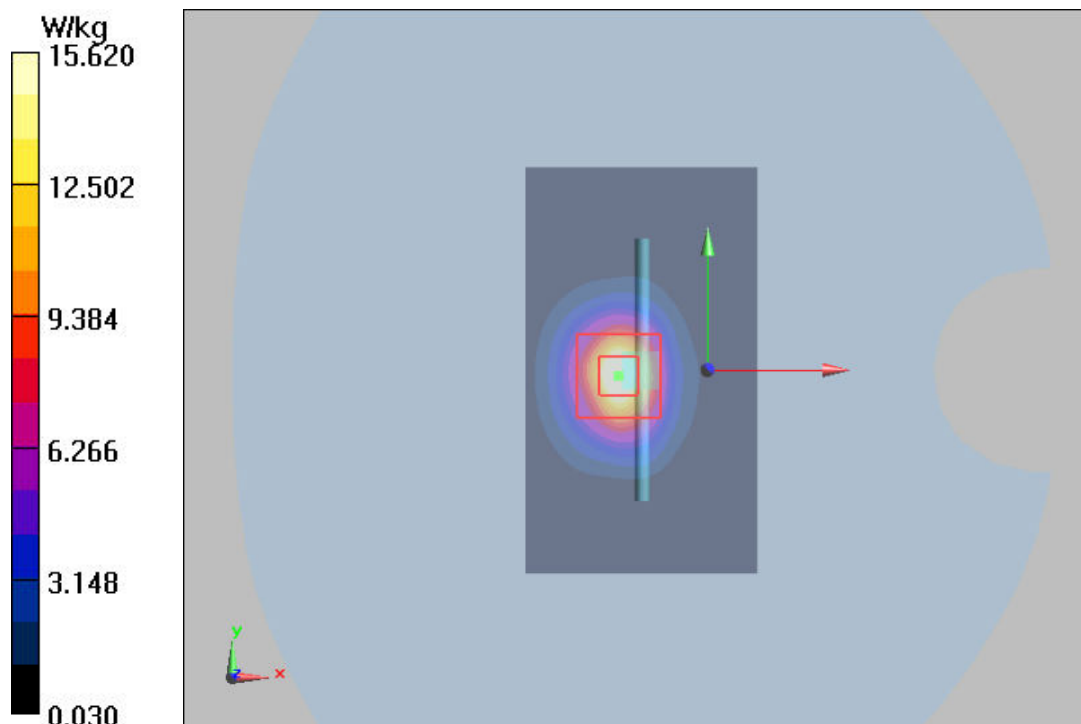
Peak SAR (extrapolated) = 31.85W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.07 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 44.2%

Maximum value of SAR (measured) = 15.62 W/kg



Plot 14 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2

Date: 2026/1/17

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.38, 7.38, 7.38); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 15.02 W/kg

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.359 V/m; Power Drift = -0.015 dB

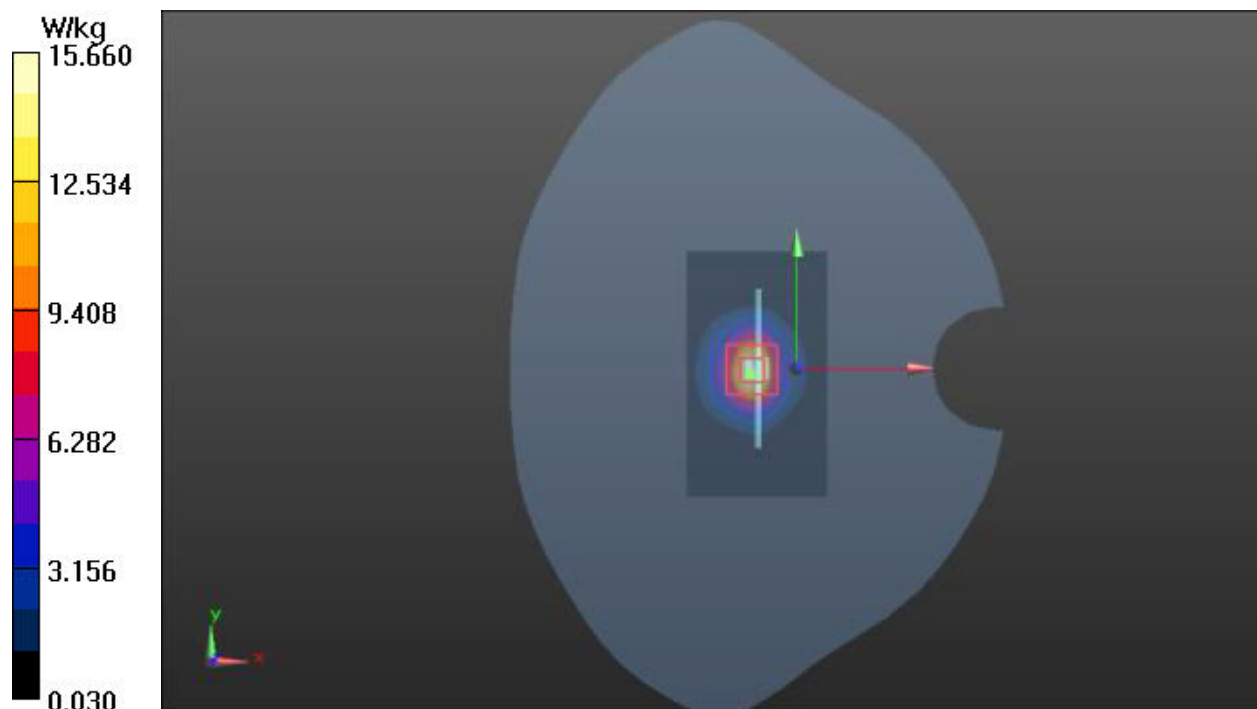
Peak SAR (extrapolated) = 30.62 W/kg

SAR(1 g) = 13.88 W/kg; SAR(10 g) = 6.09 W/kg

Smallest distance from peaks to all points 3 dB below = 10.3 mm

Ratio of SAR at M2 to SAR at M1 = 48.6%

Maximum value of SAR (measured) = 15.66 W/kg



Plot 15 System Performance Check at 3500 MHz TSL

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: D3500V2

Date: 2026/1/23

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.83$ S/m; $\epsilon_r = 37.1$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(6.91, 6.91, 6.91); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/ Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 10.72 W/kg

d=10mm, Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.623 V/m; Power Drift = -0.10 dB

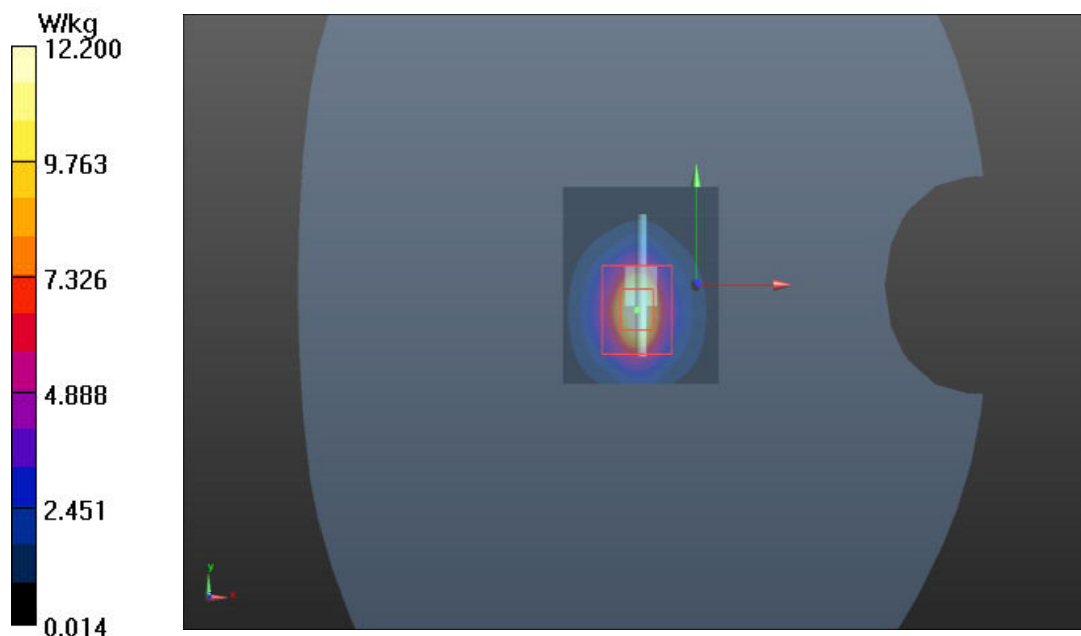
Peak SAR (extrapolated) = 17.50 W/kg

SAR(1 g) = 6.57W/kg; SAR(10 g) = 2.52 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1= 50.4%

Maximum value of SAR (measured) = 12.200 W/kg



Plot 16 System Performance Check at 3700 MHz TSL

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: D3700V2

Date: 2026/1/24

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3700$ MHz; $\sigma = 3.01$ S/m; $\epsilon_r = 38.0$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(6.75, 6.75, 6.75); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW /Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 10.03 W/kg

d=10mm, Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.517 V/m; Power Drift = 0.010 dB

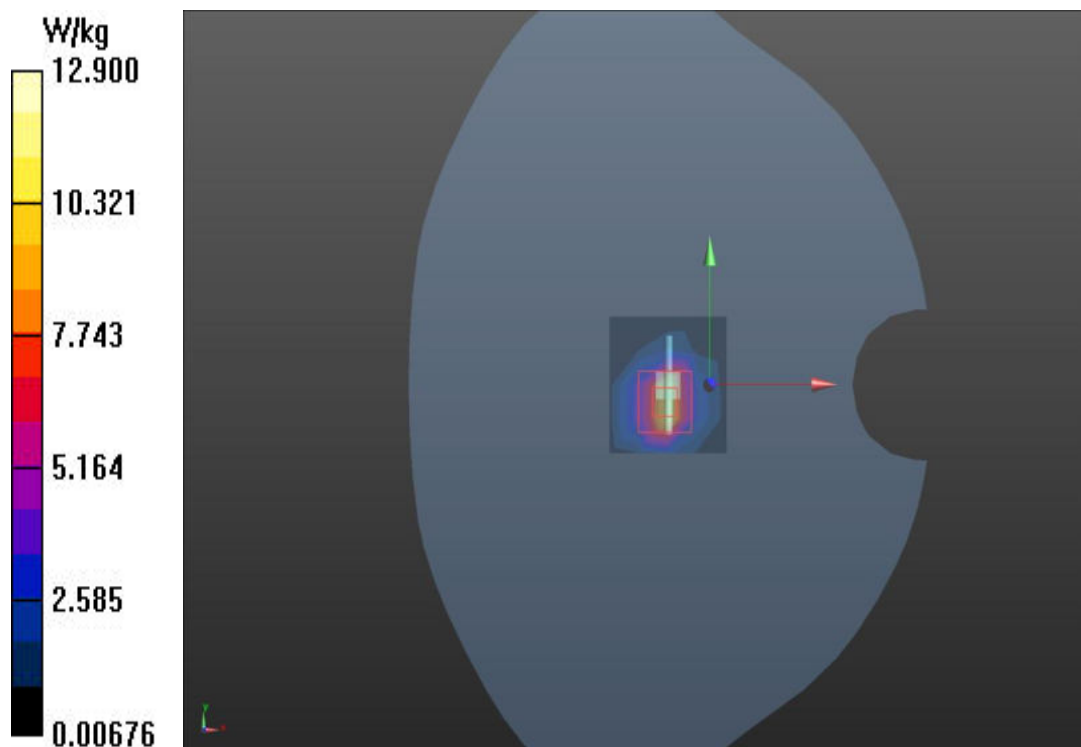
Peak SAR (extrapolated) = 17.68 W/kg

SAR(1 g) = 6.83 W/kg; SAR(10 g) = 2.54 W/kg

Smallest distance from peaks to all points 3 dB below = 8.7 mm

Ratio of SAR at M2 to SAR at M1= 53.2%

Maximum value of SAR (measured) = 12.90 W/kg



Plot 17 System Performance Check at 5250 MHz TSL

DUT: Dipole 5250 MHz; Type: D5GHzV2; Serial: D5GHzV2

Date: 2026/1/21

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.80$ S/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.50, 5.50, 5.50); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 9.14 W/kg

d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 33.654 V/m; Power Drift = -0.095 dB

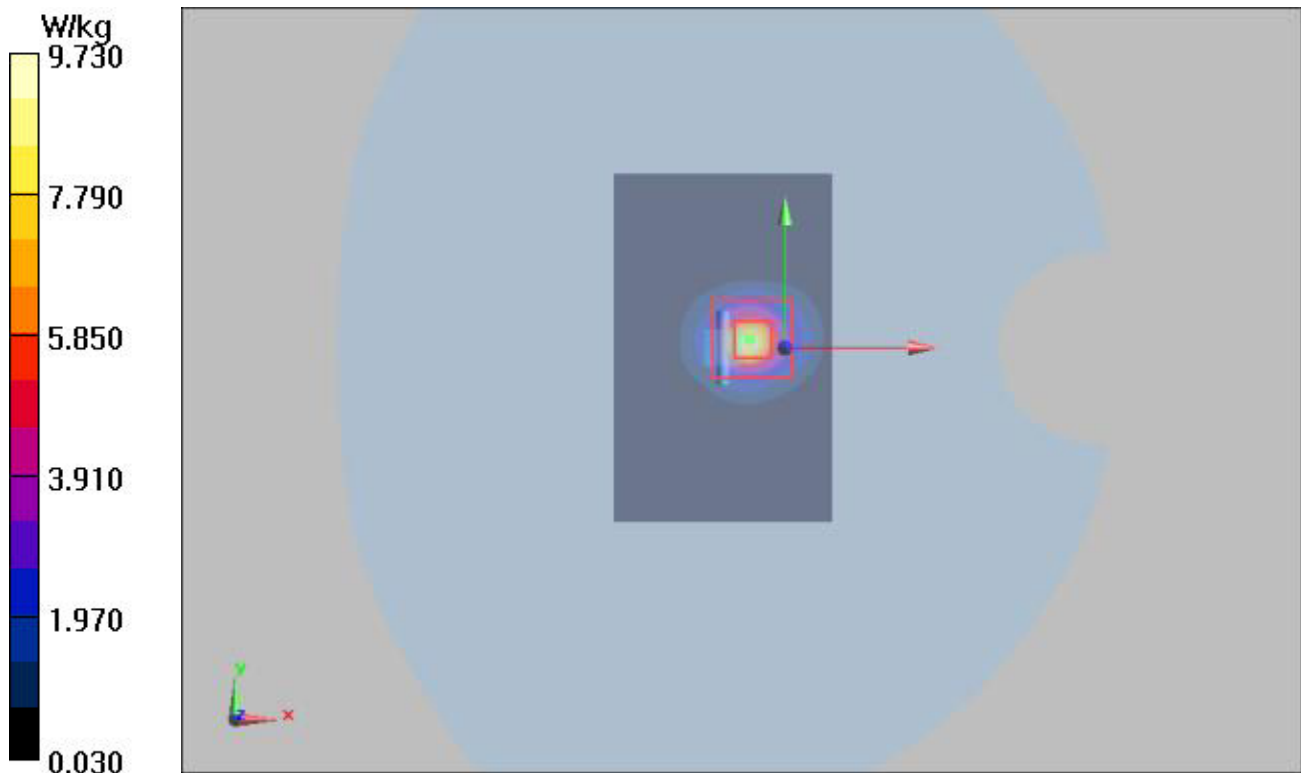
Peak SAR (extrapolated) = 52.20 W/kg

SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.25 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 63%

Maximum value of SAR (measured) = 9.73 W/kg



Plot 18 System Performance Check at 5750 MHz TSL

DUT: Dipole 5750 MHz; Type: D5GHzV2; Serial: D5GHzV2

Date: 2026/1/21

Communication System: CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.21$ S/m; $\epsilon_r = 34.9$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(5.01, 5.01, 5.01); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 8.31 W/kg

d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 25.26 V/m; Power Drift = 0.044 dB

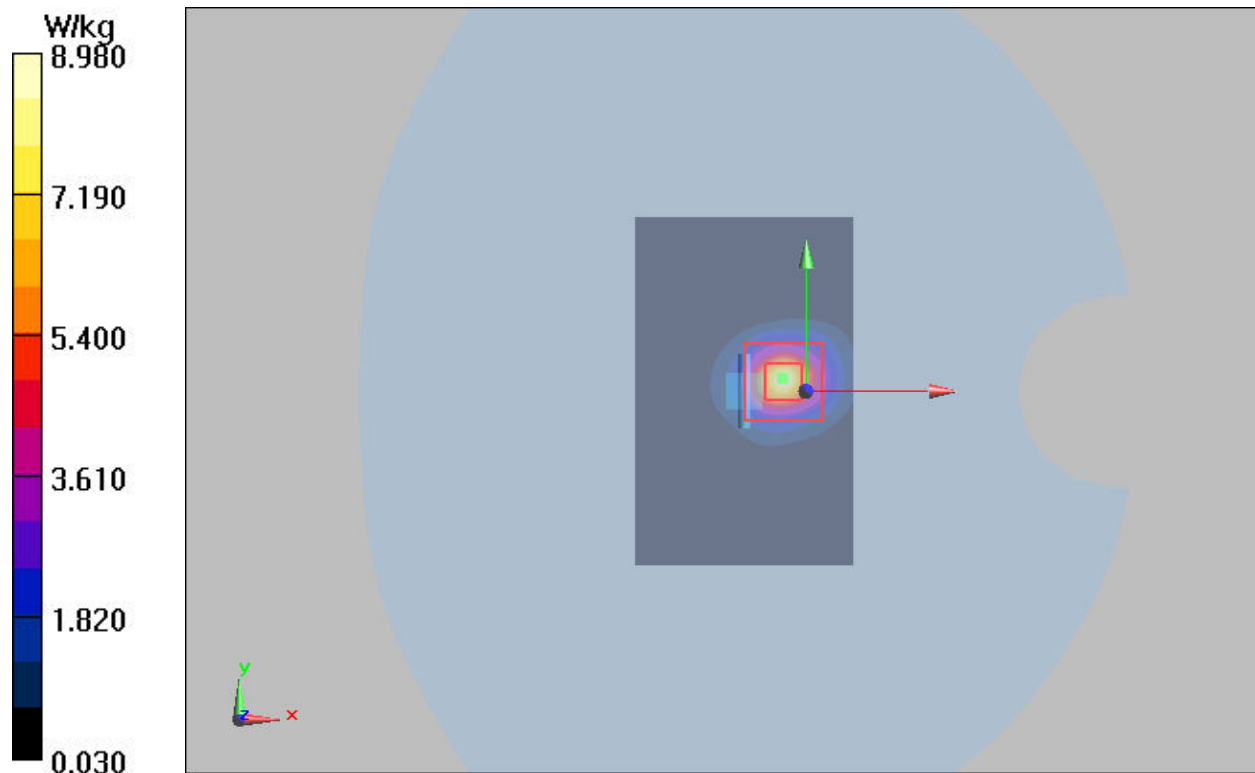
Peak SAR (extrapolated) = 23.4 W/kg

SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 7.8 mm

Ratio of SAR at M2 to SAR at M1 = 59.4%

Maximum value of SAR (measured) = 8.98 W/kg



ANNEX C: Highest Graph Results

Plot 19 WCDMA Band II Back Side Low (Distance 10mm)

Date: 2026/1/19

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.357$ S/m; $\epsilon_r = 38.598$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.94, 7.94, 7.94); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA B2 Back Side 10mm/Low/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.894 W/kg

WCDMA B2 Back Side 10mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.74 V/m; Power Drift = 0.022 dB

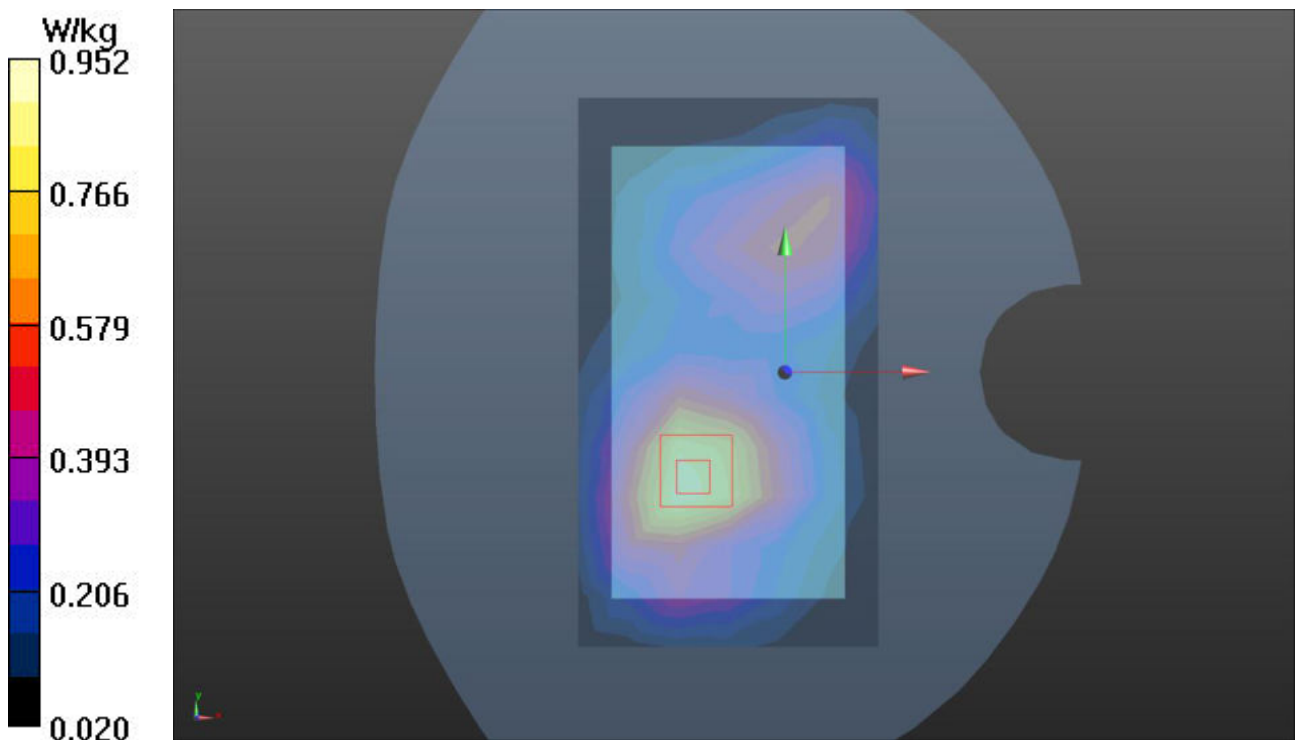
Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.882 W/kg; SAR(10 g) = 0.541 W/kg

Smallest distance from peaks to all points 3 dB below = 18.7 mm

Ratio of SAR at M2 to SAR at M1 = 63.4%

Maximum value of SAR (measured) = 0.952 W/kg



Plot 20 WCDMA Band IV Back Side Low (Distance 10mm)

Date: 2026/1/12

Communication System: UID 0, WCDMA (0); Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.263$ S/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.29, 8.29, 8.29); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA B4 Back Side 10mm/Low/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.912 W/kg

WCDMA B4 Back Side 10mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.69 V/m; Power Drift = 0.061 dB

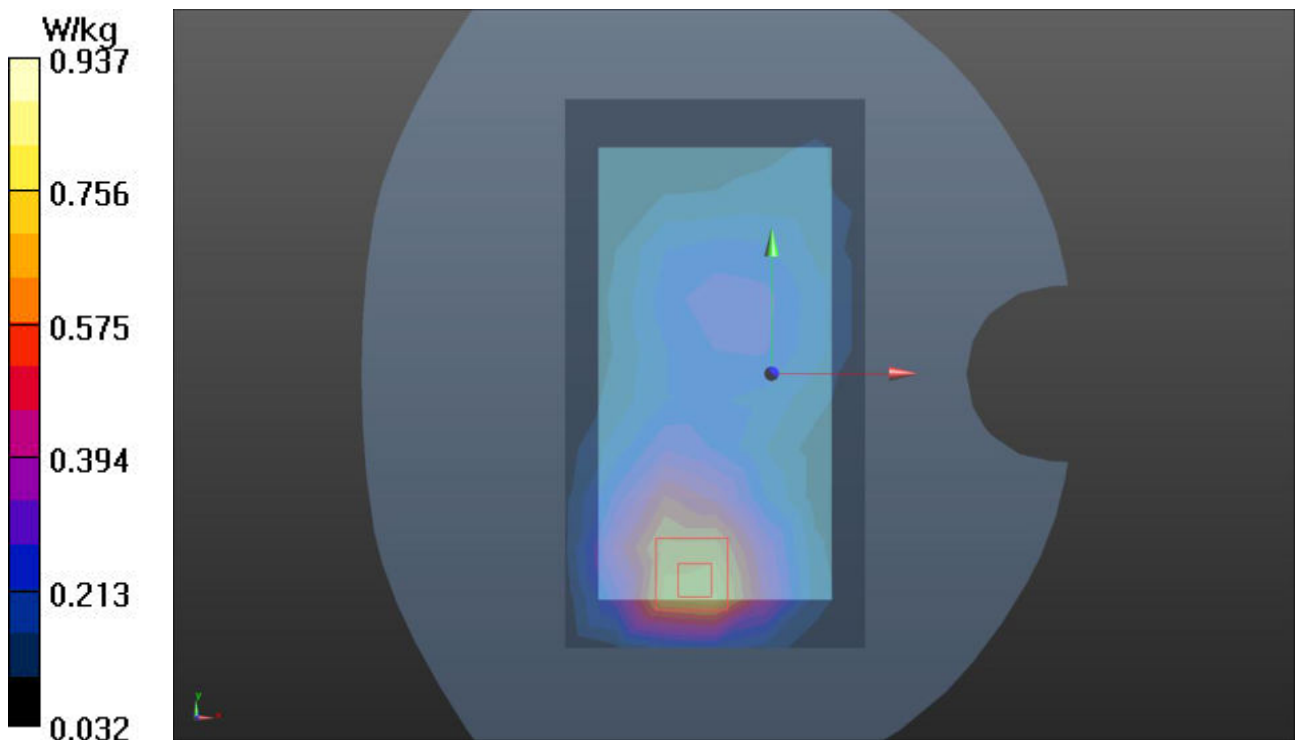
Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.481 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 56.5%

Maximum value of SAR (measured) = 0.937 W/kg



Plot 21 WCDMA Band V Back Side Middle (Distance 10mm)

Date: 2026/1/7

Communication System: UID 0, WCDMA (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.948$ S/m; $\epsilon_r = 42.274$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.42, 9.42, 9.42); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA B5 Back Side 10mm/Mid/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.660 W/kg

WCDMA B5 Back Side 10mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.63 V/m; Power Drift = -0.023 dB

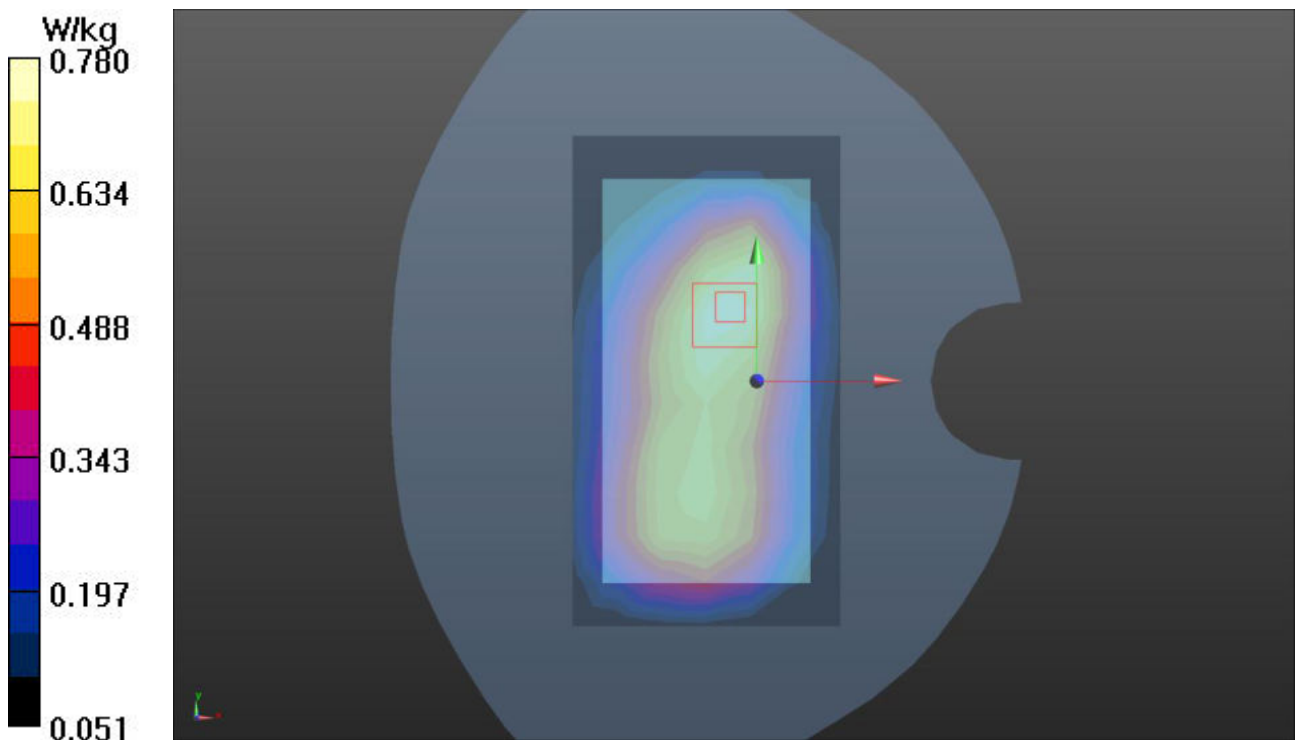
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.418 W/kg

Smallest distance from peaks to all points 3 dB below = 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 74.9%

Maximum value of SAR (measured) = 0.780 W/kg



Plot 22 LTE Band 5 1RB Back Side Low (Distance 10mm)

Date: 2026/1/7

Communication System: UID 0, LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.945$ S/m; $\epsilon_r = 42.335$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.42, 9.42, 9.42); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE B5 1RB Back Side 10mm/Low/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.06 W/kg

LTE B5 1RB Back Side 10mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.60 V/m; Power Drift = 0.057 dB

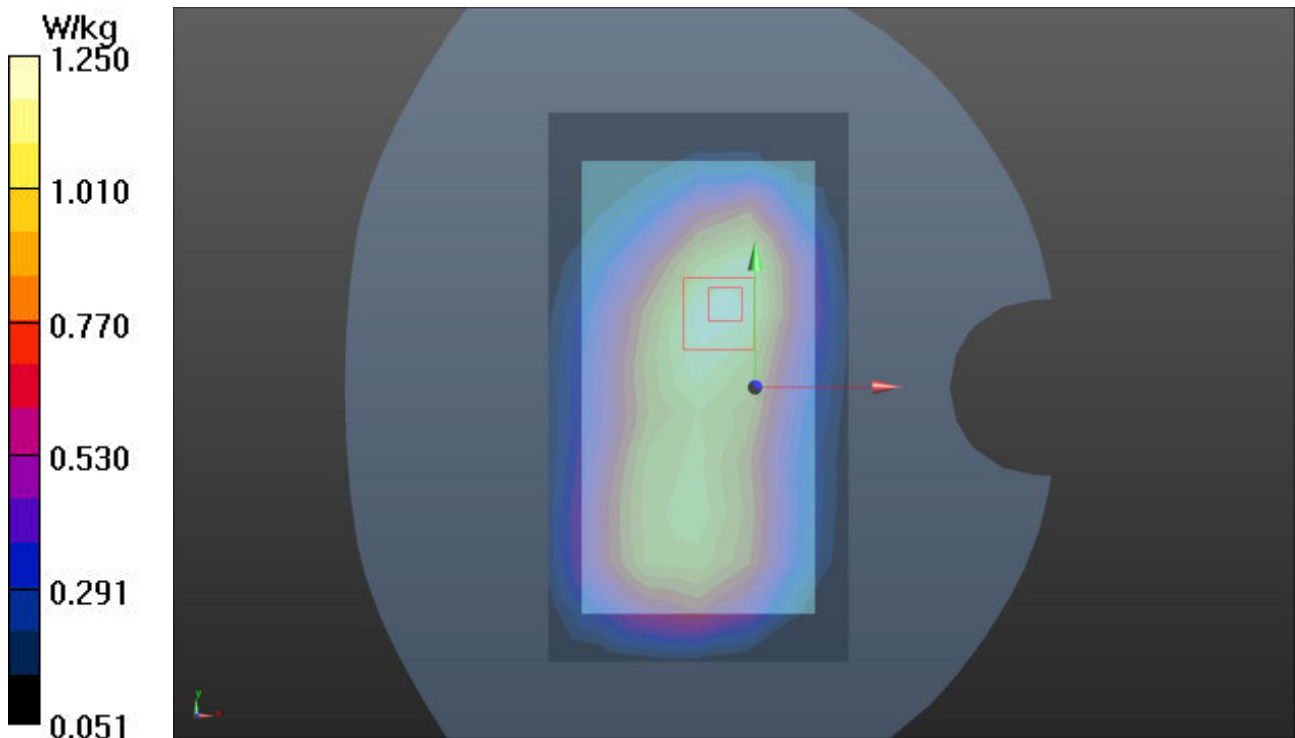
Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.959 W/kg; SAR(10 g) = 0.645 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 70.1%

Maximum value of SAR (measured) = 1.25 W/kg



Plot 23 LTE Band 7 1RB Back Side High (Distance 10mm)

Date: 2026/1/16

Communication System: UID 0, LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.965$ S/m; $\epsilon_r = 38.067$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.38, 7.38, 7.38); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE B7 1RB Back Side 10mm/High/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.949 W/kg

LTE B7 1RB Back Side 10mm/High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.03 V/m; Power Drift = 0.025 dB

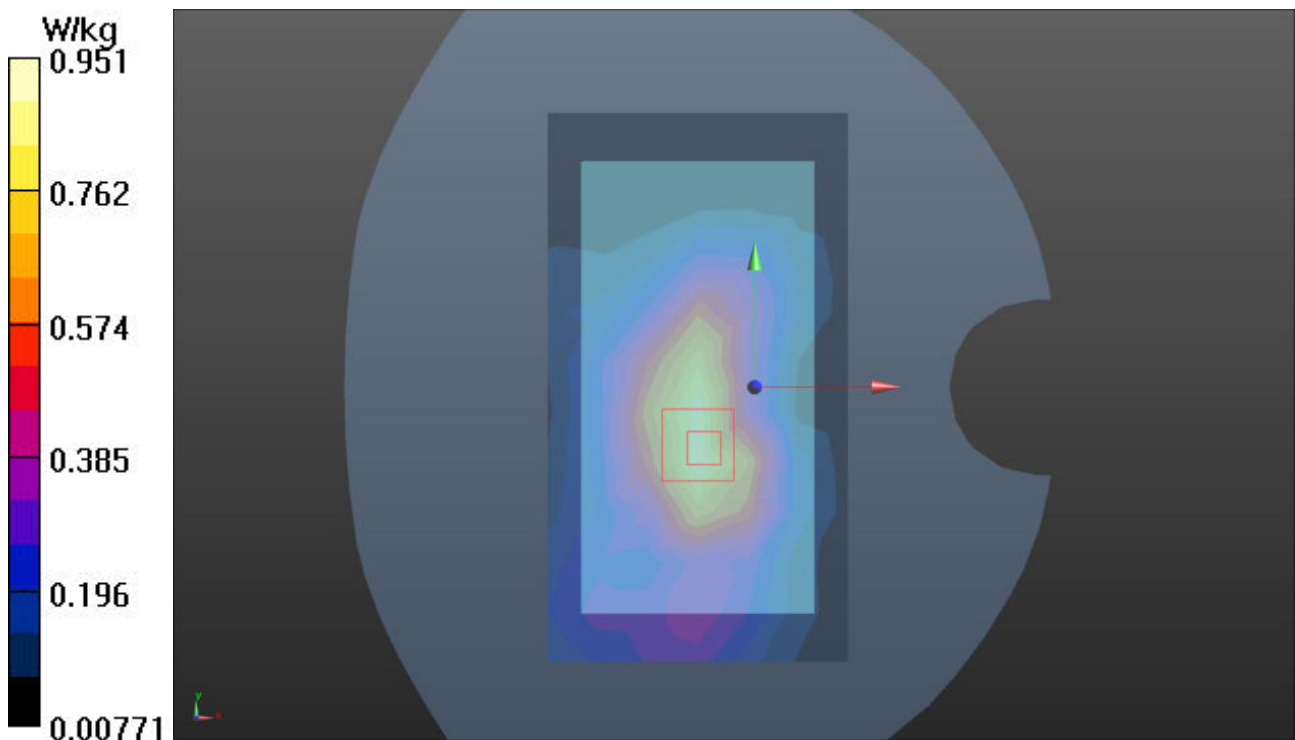
Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.494 W/kg

Smallest distance from peaks to all points 3 dB below = 13.8 mm

Ratio of SAR at M2 to SAR at M1 = 51.6%

Maximum value of SAR (measured) = 0.951 W/kg



Plot 24 LTE Band 12 1RB Back Side Middle (Distance 10mm)

Date: 2025/12/26

Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 43.212$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.80, 9.80, 9.80); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE B12 1RB Back Side 10mm/Mid/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.495 W/kg

LTE B12 1RB Back Side 10mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.38 V/m; Power Drift = 0.13 dB

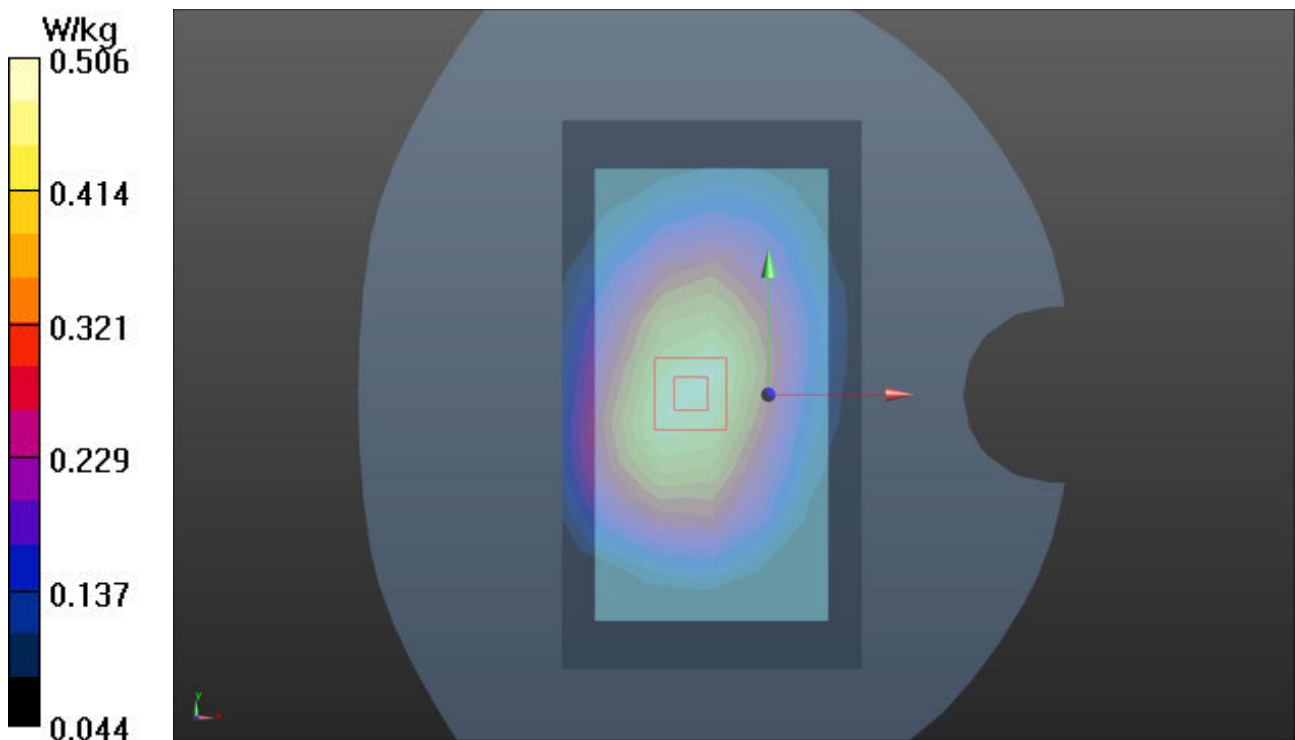
Peak SAR (extrapolated) = 0.877 W/kg

SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.281 W/kg

Smallest distance from peaks to all points 3 dB below = 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 75.2%

Maximum value of SAR (measured) = 0.506 W/kg



Plot 25 LTE Band 14 1RB Back Side Middle (Distance 10mm)

Date: 2025/12/26

Communication System: UID 0, LTE (0); Frequency: 793 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.936 \text{ S/m}$; $\epsilon_r = 42.436$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.80, 9.80, 9.80); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE B14 1RB Back Side 10mm/Mid/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.337 W/kg

LTE B14 1RB Back Side 10mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.21 V/m ; Power Drift = -0.108 dB

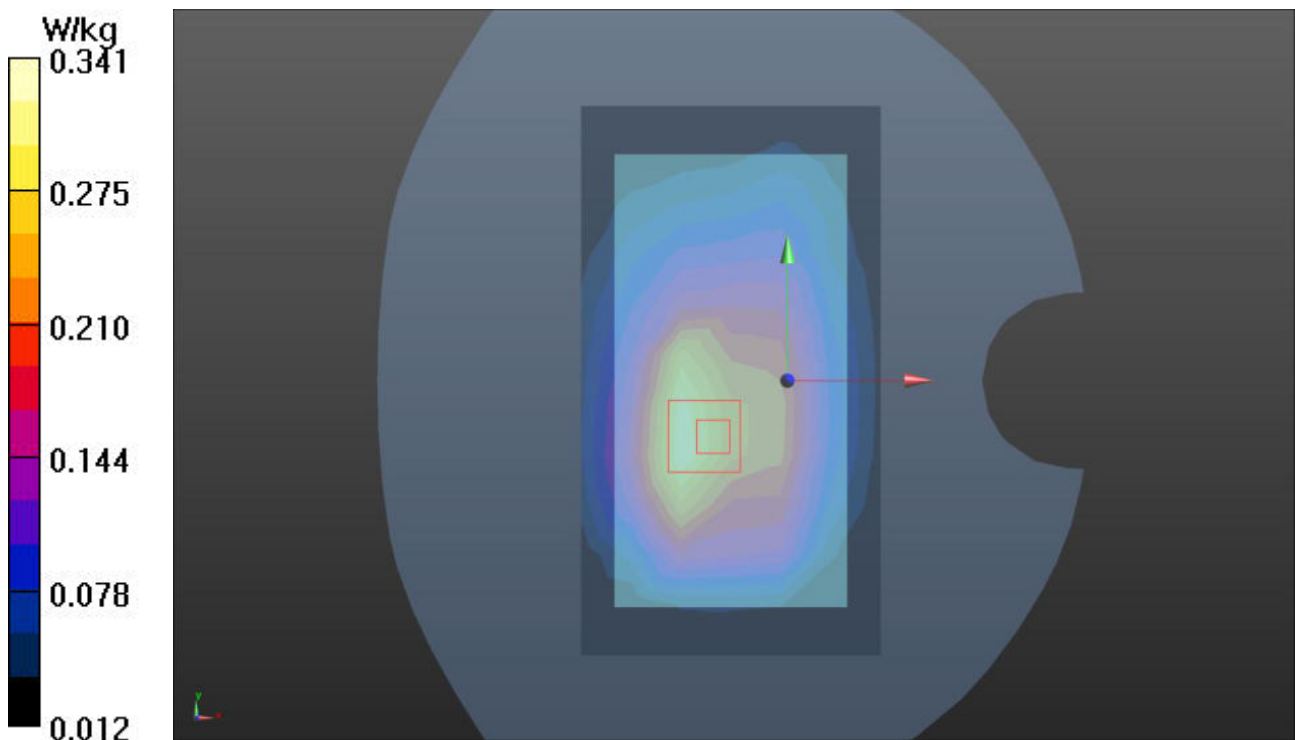
Peak SAR (extrapolated) = 0.611 W/kg

SAR(1 g) = 0.330 W/kg ; SAR(10 g) = 0.228 W/kg

Smallest distance from peaks to all points 3 dB below = 22.3 mm

Ratio of SAR at M2 to SAR at M1 = 75.5%

Maximum value of SAR (measured) = 0.341 W/kg



Plot 26 LTE Band 25 1RB Back Side Middle (Distance 10mm)

Date: 2026/1/19

Communication System: UID 0, LTE (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 38.425$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.94, 7.94, 7.94); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE B25 1RB Back Side 10mm/Mid/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.580 W/kg

LTE B25 1RB Back Side 10mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 13.63 V/m; Power Drift = 0.12 dB

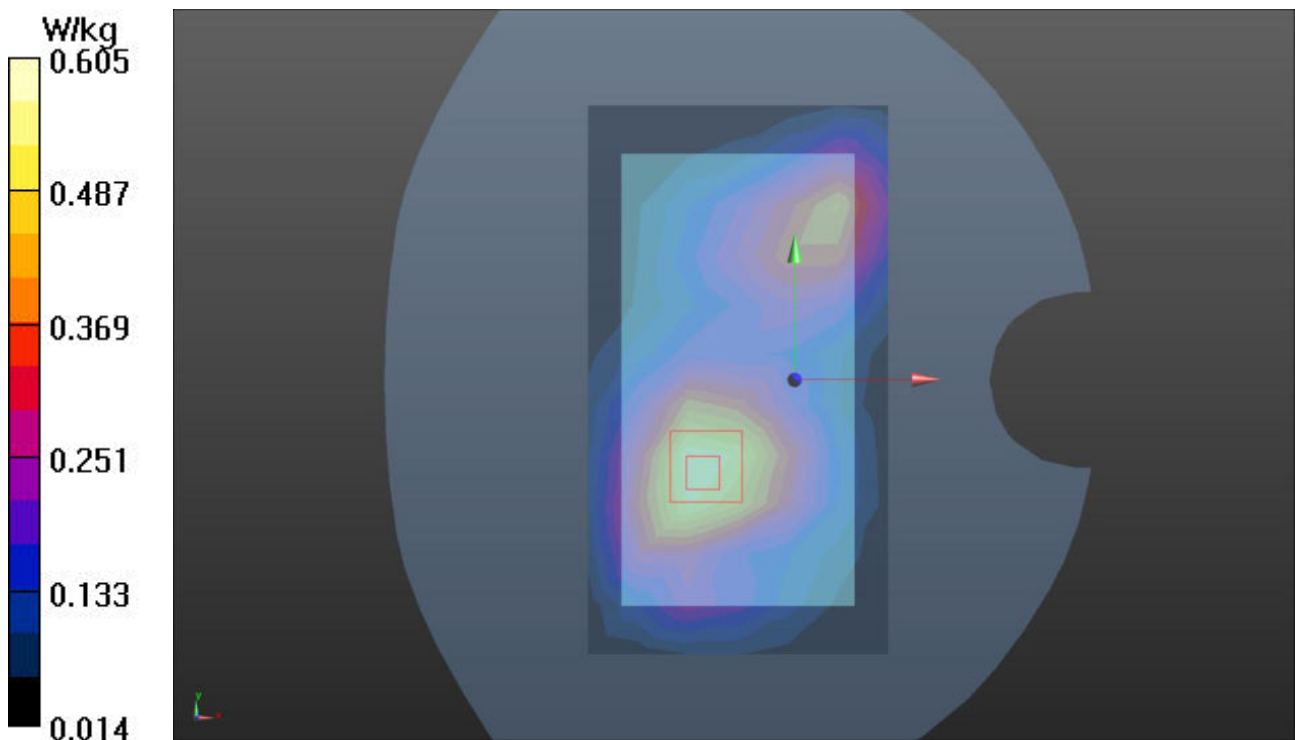
Peak SAR (extrapolated) = 0.891 W/kg

SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.346 W/kg

Smallest distance from peaks to all points 3 dB below = 20.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 0.605 W/kg



Plot 27 LTE Band 41 1RB Left Edge Low (Distance 10mm)

Date: 2026/1/16

Communication System: UID 0, LTE (0); Frequency: 2506 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 38.266$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.38, 7.38, 7.38); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE B41 1RB Left Edge 10mm/Low/Area Scan (5x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.454 W/kg

LTE B41 1RB Left Edge 10mm/Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.088 V/m; Power Drift = 0.12 dB

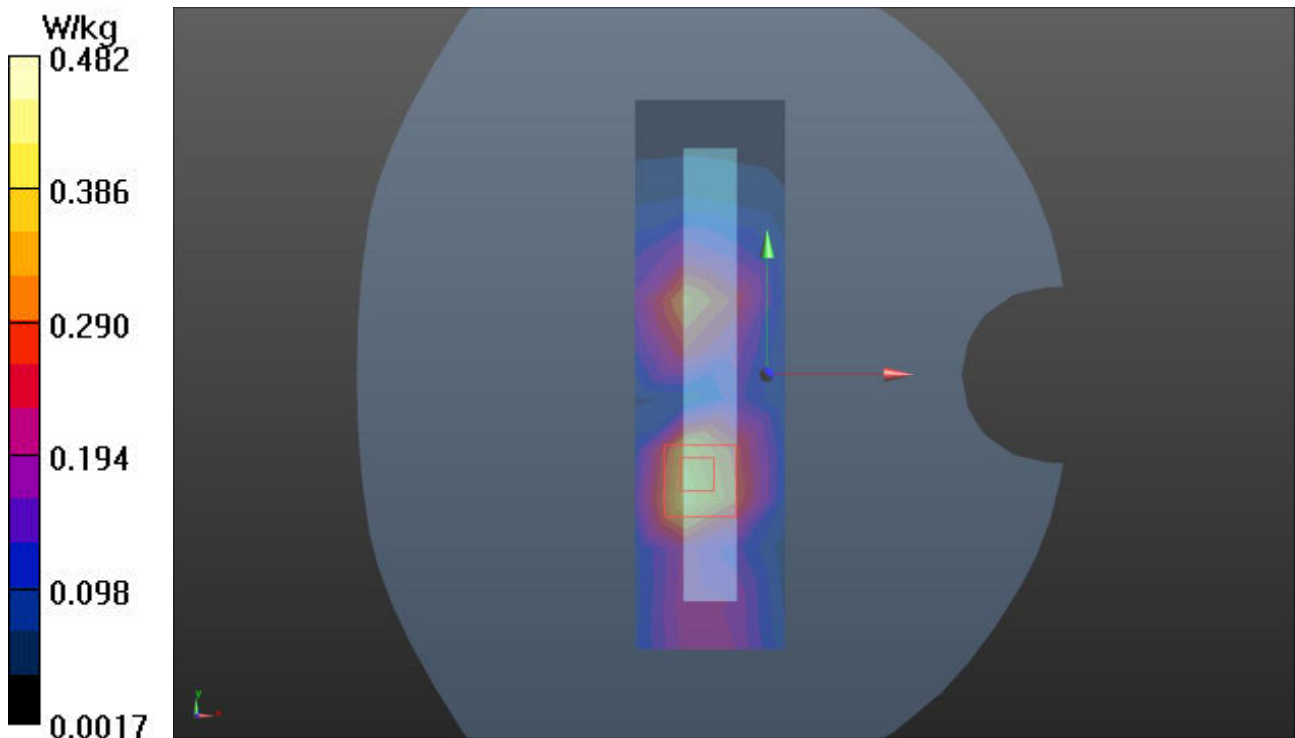
Peak SAR (extrapolated) = 0.856 W/kg

SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.224 W/kg

Smallest distance from peaks to all points 3 dB below = 13.2 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 0.482 W/kg



Plot 28 LTE Band 48 1RB Left Edge Middle (Distance 10mm)

Date: 2026/1/24

Communication System: UID 0, LTE (0); Frequency: 3625 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 3625$ MHz; $\sigma = 2.938$ S/m; $\epsilon_r = 37.799$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(6.75, 6.75, 6.75); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE B48 1RB Left Edge 10mm/Mid/Area Scan (6x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.497 W/kg

LTE B48 1RB Left Edge 10mm/Mid/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.532 V/m; Power Drift = 0.14 dB

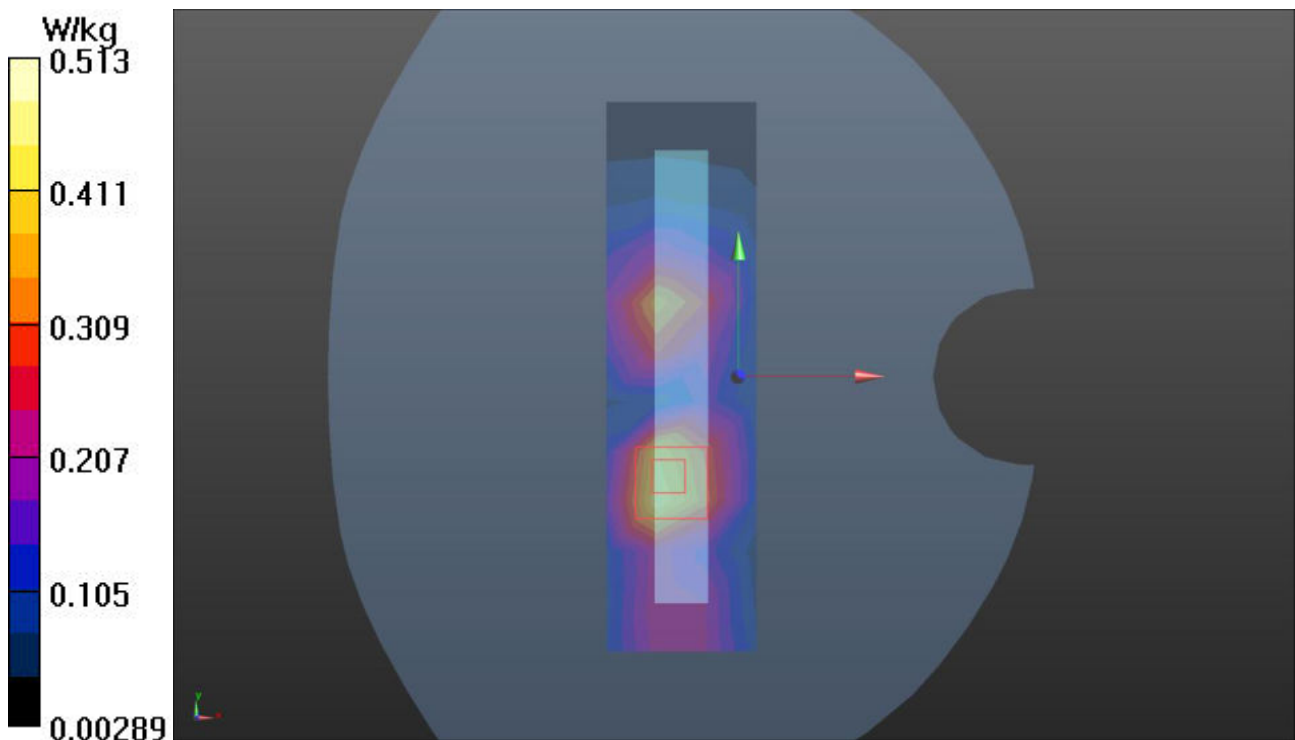
Peak SAR (extrapolated) = 0.842 W/kg

SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.192 W/kg

Smallest distance from peaks to all points 3 dB below = 13.2 mm

Ratio of SAR at M2 to SAR at M1 = 53%

Maximum value of SAR (measured) = 0.513 W/kg



Plot 29 LTE Band 66 1RB Back Side Low (Distance 10mm)

Date: 2026/1/12

Communication System: UID 0, LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.265$ S/m; $\epsilon_r = 38.975$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.29, 8.29, 8.29); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE B66 1RB Back Side 10mm/Low/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.989 W/kg

LTE B66 1RB Back Side 10mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.09 V/m; Power Drift = -0.08 dB

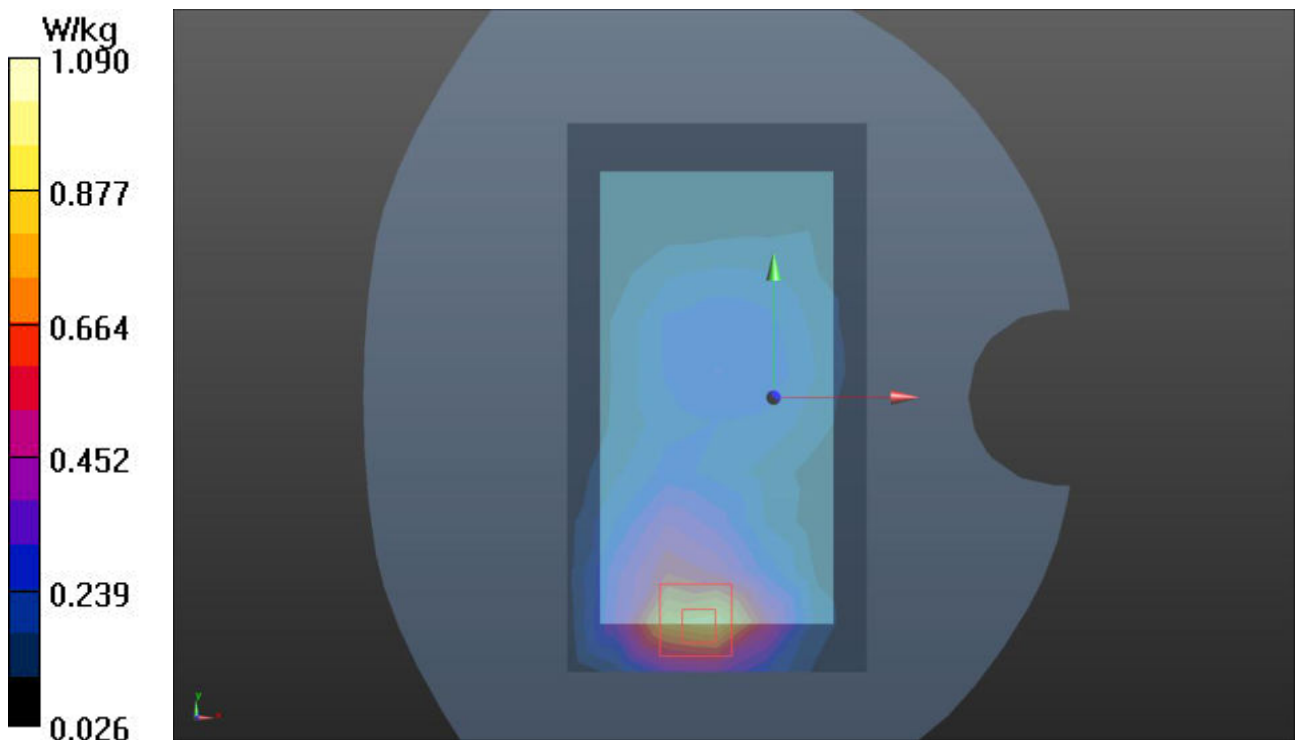
Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.966 W/kg; SAR(10 g) = 0.497 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 1.09 W/kg



Plot 30 LTE Band 71 1RB Front Side Low (Distance 10mm)

Date: 20265/12/26

Communication System: UID 0, LTE (0); Frequency: 673 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 673$ MHz; $\sigma = 0.852$ S/m; $\epsilon_r = 43.234$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.80, 9.80, 9.80); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE B71 1RB Back Side 10mm/Low/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.298 W/kg

LTE B71 1RB Back Side 10mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.57 V/m; Power Drift = -0.18 dB

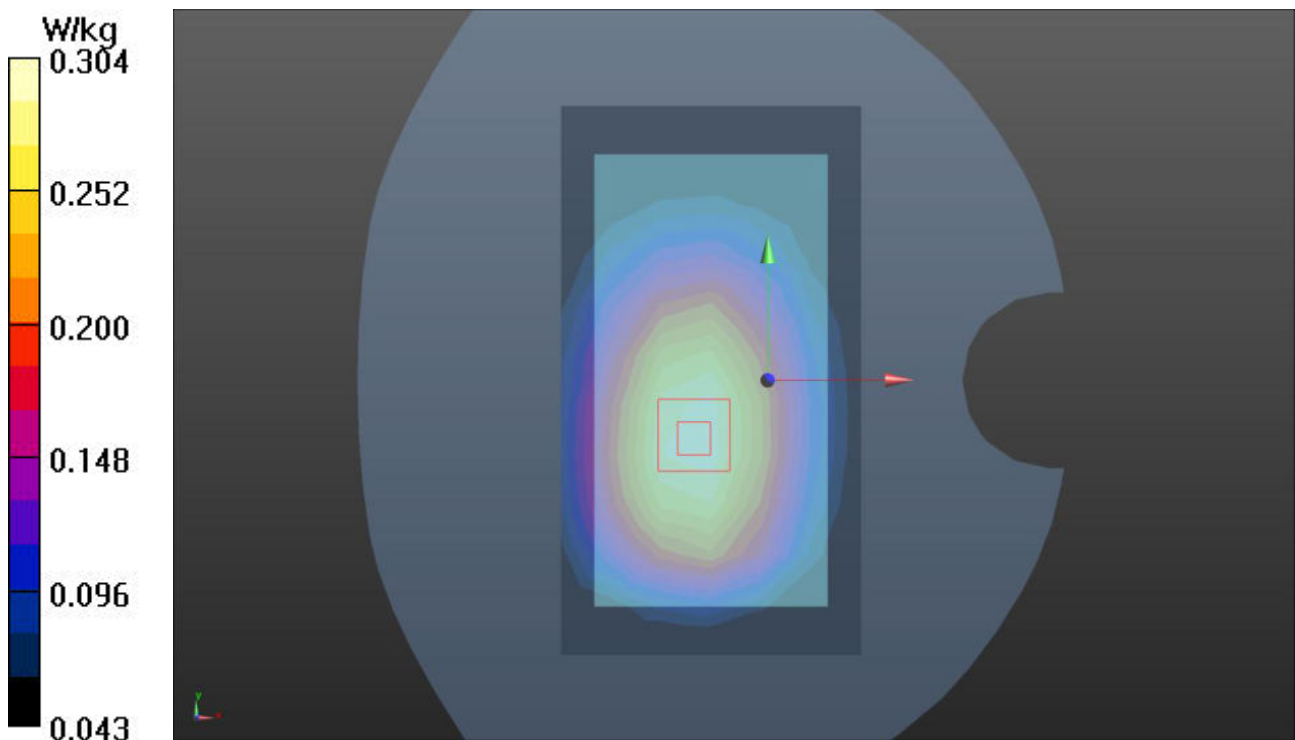
Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.216 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 76.5%

Maximum value of SAR (measured) = 0.304 W/kg



Plot 31 NR n5 1RB Back Side Middle (Distance 10mm)

Date: 2026/1/8

Communication System: UID 0, 5G NR (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.948$ S/m; $\epsilon_r = 42.275$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.42, 9.42, 9.42); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n5 1RB Back Side 10mm/Mid/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.476 W/kg

NR n5 1RB Back Side 10mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.34 V/m; Power Drift = 0.12 dB

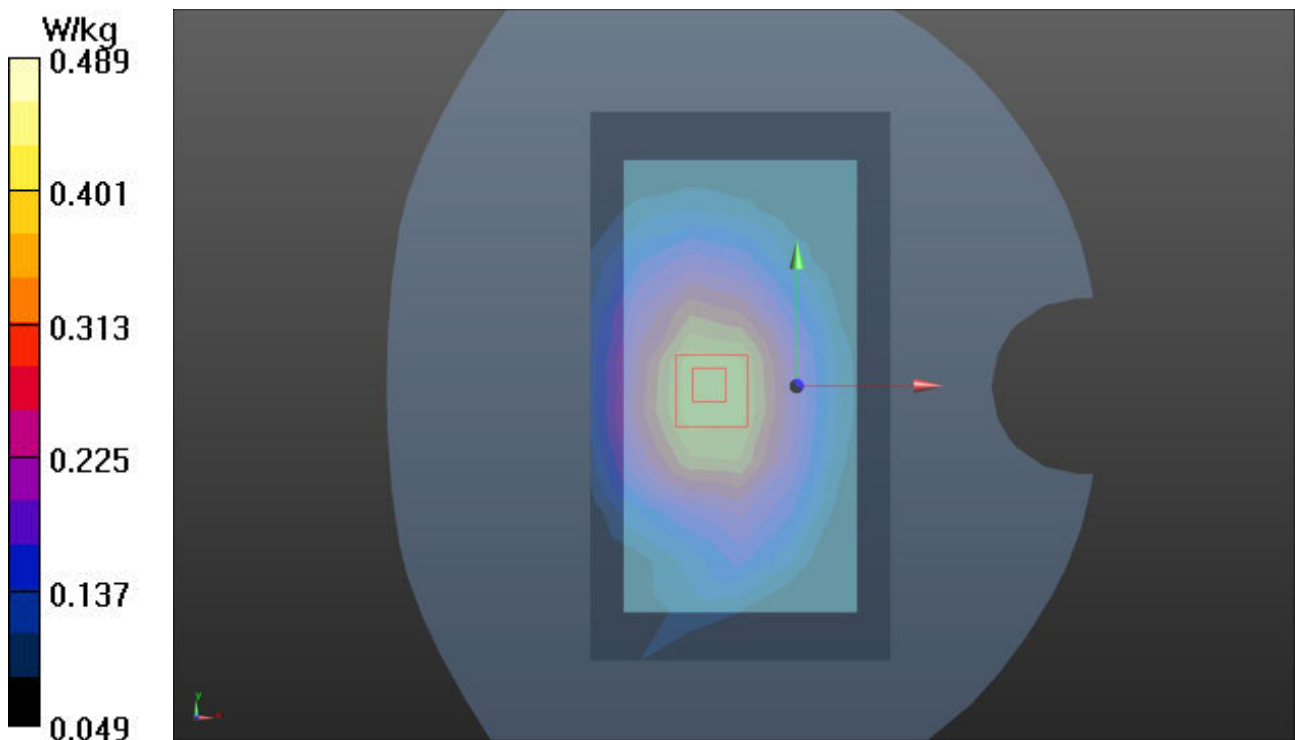
Peak SAR (extrapolated) = 0.925 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.317 W/kg

Smallest distance from peaks to all points 3 dB below = 12.4 mm

Ratio of SAR at M2 to SAR at M1 = 76.2%

Maximum value of SAR (measured) = 0.489 W/kg



Plot 32 NR n7 50%RB Back Side Middle (Distance 10mm)

Date: 2026/1/17

Communication System: UID 0, 5G NR (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.936$ S/m; $\epsilon_r = 38.15$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.38, 7.38, 7.38); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n7 50%RB Back Side 10mm/Mid/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.17 W/kg

NR n7 50%RB Back Side 10mm/Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.59 V/m; Power Drift = -0.025 dB

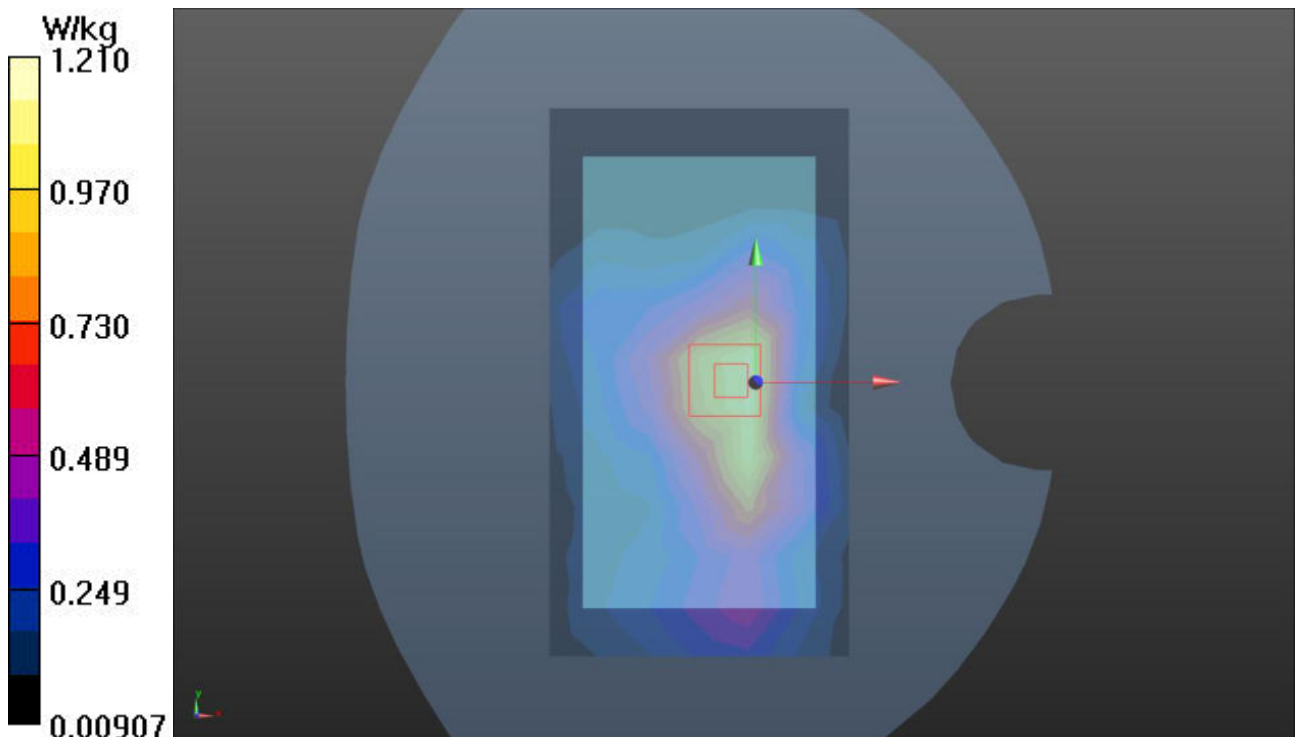
Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.602 W/kg

Smallest distance from peaks to all points 3 dB below = 14.4 mm

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 1.21 W/kg



Plot 33 NR n12 50%RB Back Side Middle (Distance 10mm)

Date: 2025/12/27

Communication System: UID 0, 5G NR (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 43.212$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.80, 9.80, 9.80); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n12 50%RB Back Side 10mm/Mid/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.544 W/kg

NR n12 50%RB Back Side 10mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.87 V/m; Power Drift = -0.18 dB

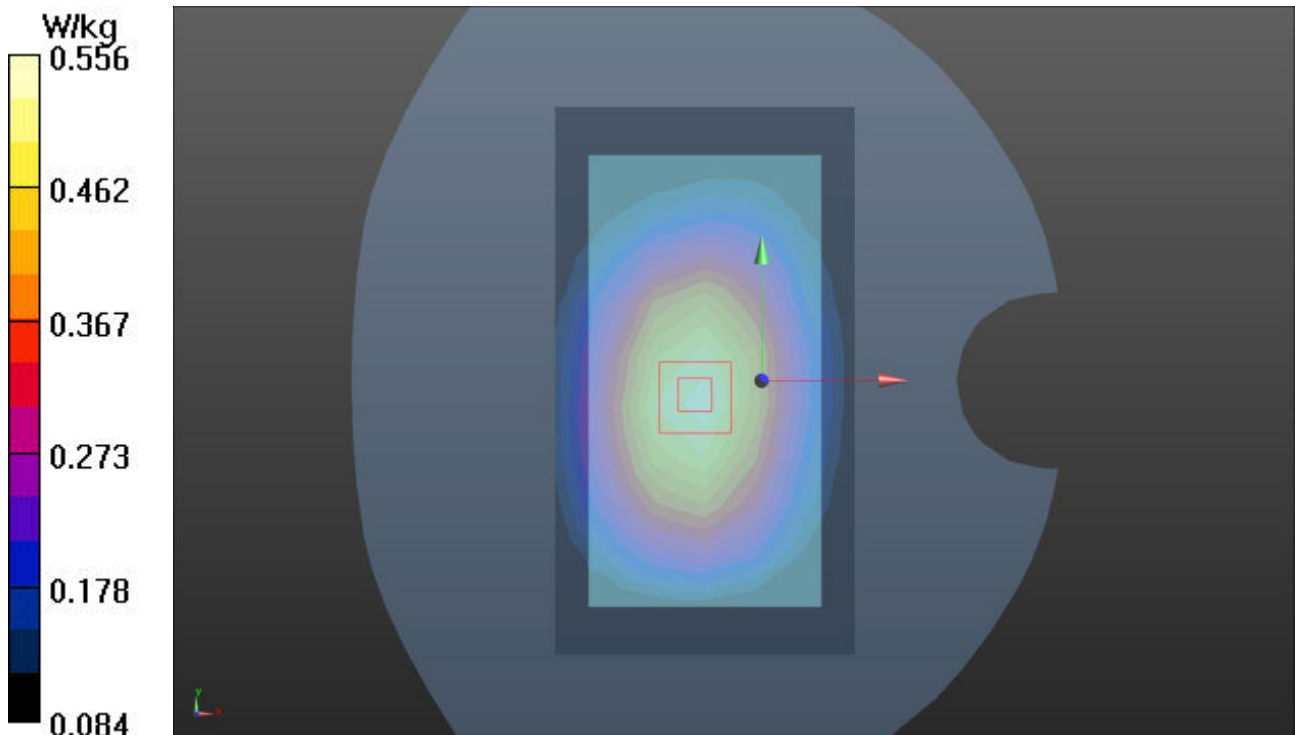
Peak SAR (extrapolated) = 0.682 W/kg

SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.392 W/kg

Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 76.8%

Maximum value of SAR (measured) = 0.556 W/kg



Plot 34 NR n25 1RB Bottom Edge High (Distance 10mm)

Date: 2026/1/20

Communication System: UID 0, 5G NR (0); Frequency: 1905 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1905$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 38.342$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.94, 7.94, 7.94); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n25 1RB Bottom Edge 10mm/High/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.685 W/kg

NR n25 1RB Bottom Edge 10mm/High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.95 V/m; Power Drift = -0.035 dB

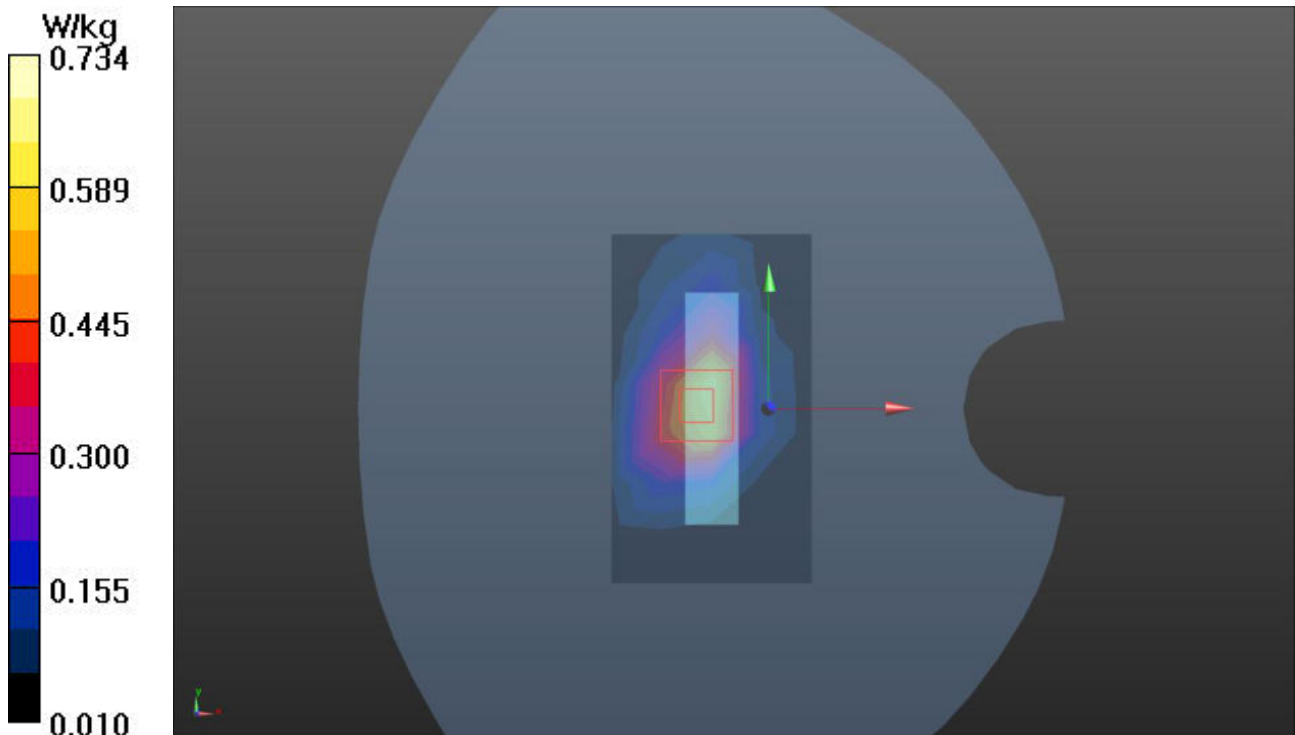
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.319 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 52.9%

Maximum value of SAR (measured) = 0.734 W/kg



Plot 35 NR n41 50%RB Back Side Low (Distance 10mm)

Date: 2026/1/17

Communication System: UID 0, 5G NR (0); Frequency: 2546.01 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2546.01$ MHz; $\sigma = 1.949$ S/m; $\epsilon_r = 38.11$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(7.38, 7.38, 7.38); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n41 50%RB Back Side 10mm/Low/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.194 W/kg

NR n41 50%RB Back Side 10mm/Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.236 V/m; Power Drift = -0.021 dB

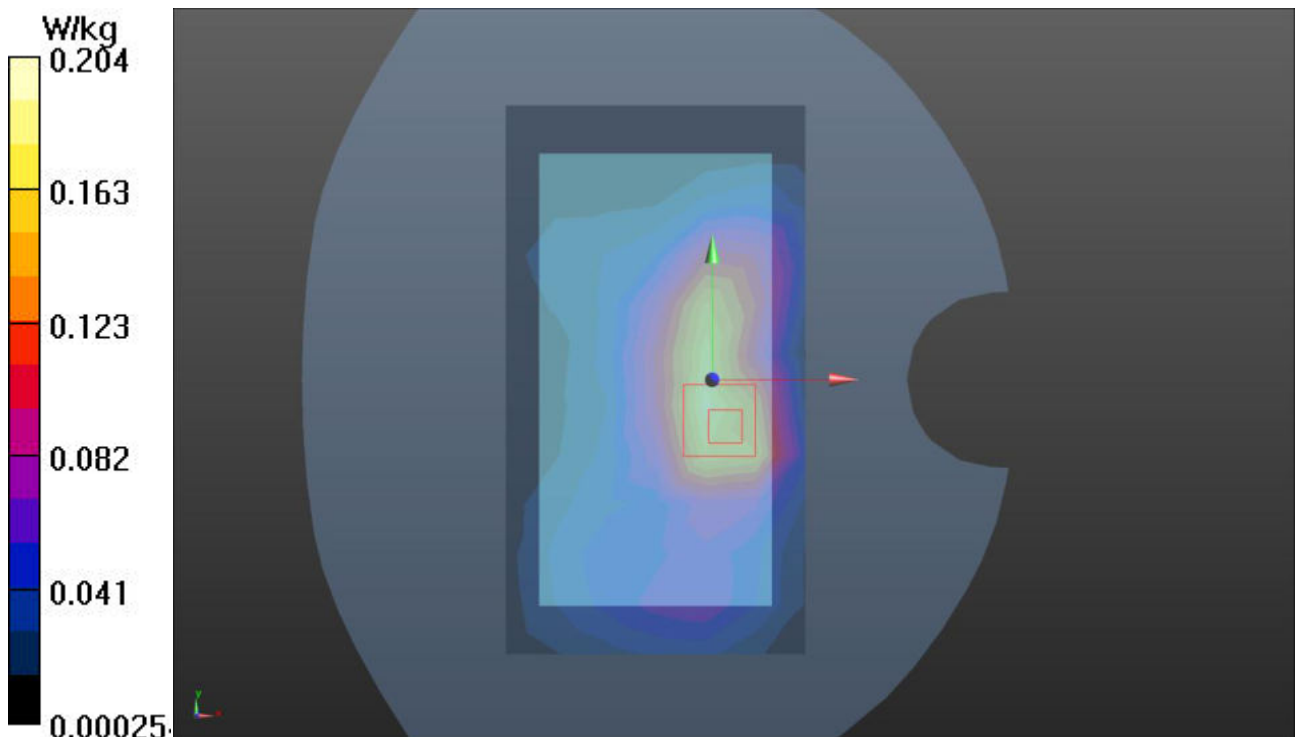
Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.100 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 51.4%

Maximum value of SAR (measured) = 0.204 W/kg



Plot 36 NR n48 1RB Back Side Middle (Distance 10mm)

Date: 2026/1/23

Communication System: UID 0, 5G NR (0); Frequency: 3570 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 3570$ MHz; $\sigma = 2.772$ S/m; $\epsilon_r = 39.694$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(6.91, 6.91, 6.91); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n48 1RB Back Side 10mm/Mid/Area Scan (11x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.369 W/kg

NR n48 1RB Back Side 10mm/Mid/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.970 V/m; Power Drift = -0.088 dB

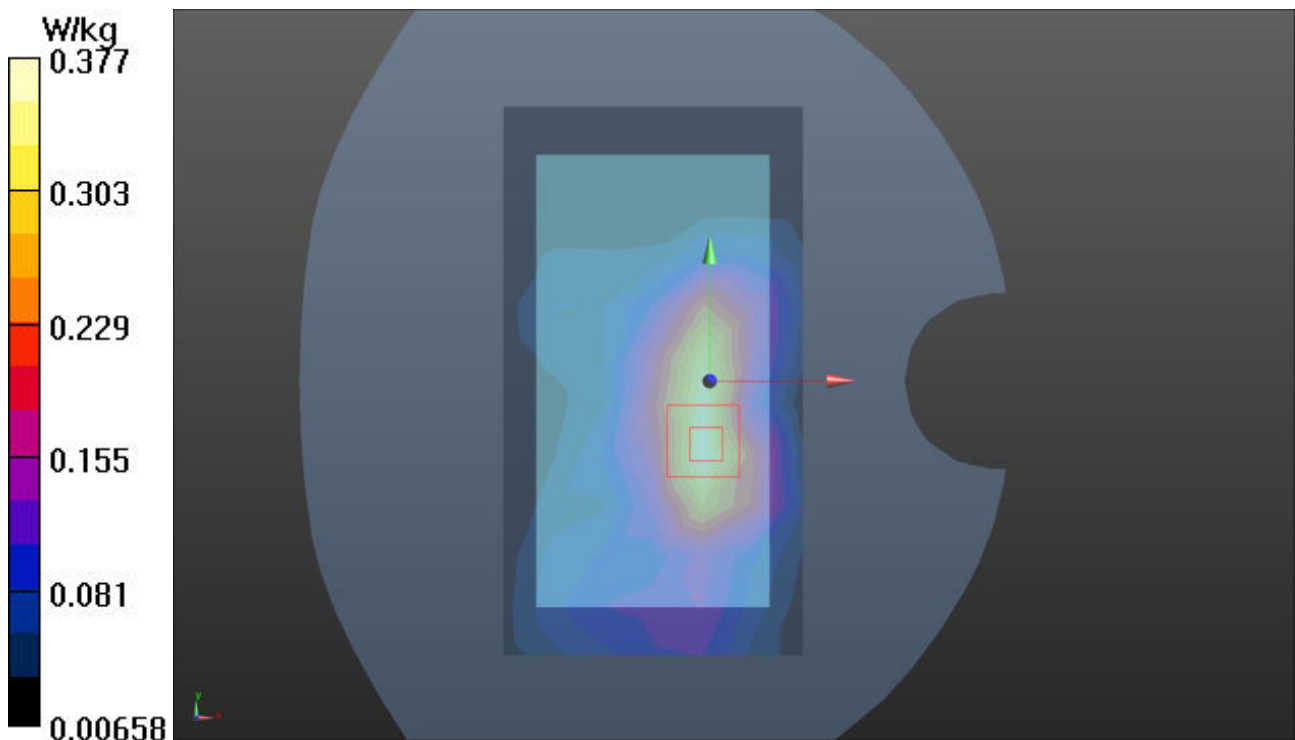
Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.196 W/kg

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 57.5%

Maximum value of SAR (measured) = 0.377 W/kg



Plot 37 NR n66 1RB Bottom Edge Middle (Distance 10mm)

Date: 2026/1/13

Communication System: UID 0, 5G NR (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.277$ S/m; $\epsilon_r = 38.919$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.29, 8.29, 8.29); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n66 1RB Bottom Edge 10mm/Mid/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.20 W/kg

NR n66 1RB Bottom Edge 10mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.98 V/m; Power Drift = -0.026 dB

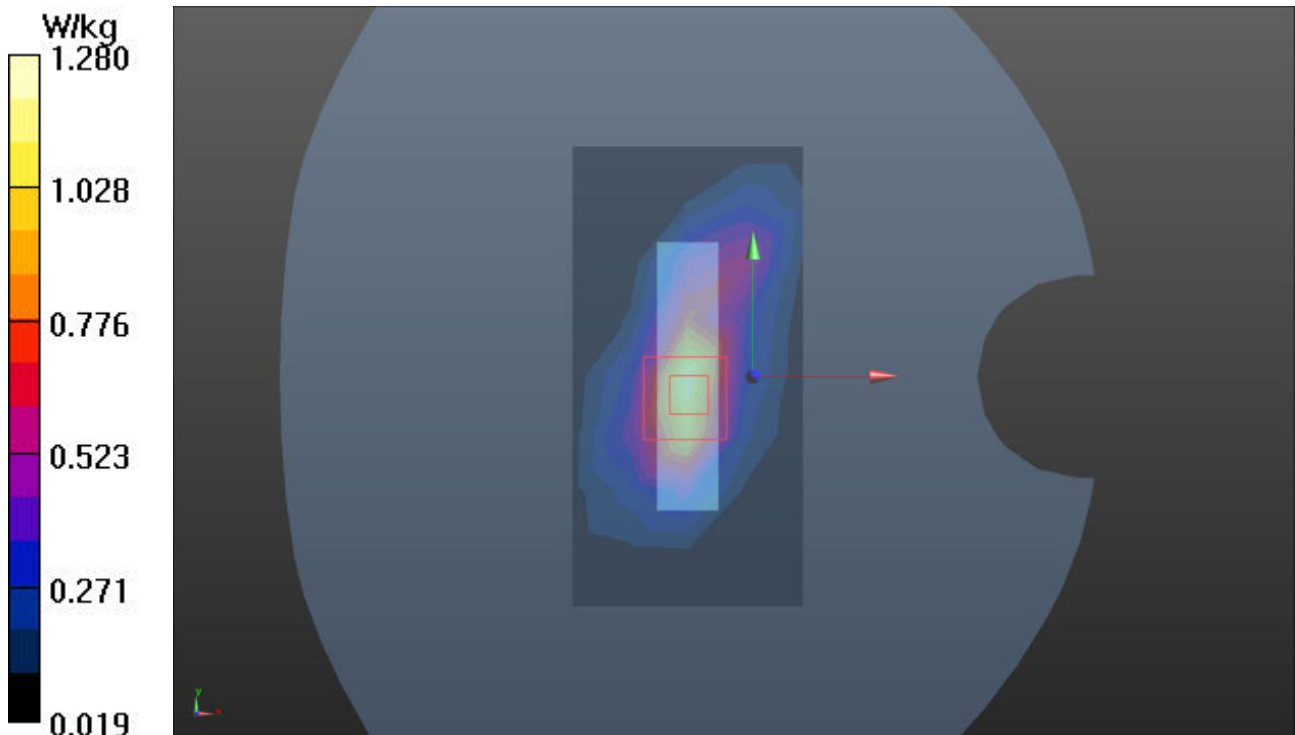
Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.565 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 56.2%

Maximum value of SAR (measured) = 1.28 W/kg



Plot 38 NR n71 1RB Bottom Edge Low (Distance 10mm)

Date: 2025/12/27

Communication System: UID 0, 5G NR (0); Frequency: 673 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 673$ MHz; $\sigma = 0.852$ S/m; $\epsilon_r = 43.234$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(9.80, 9.80, 9.80); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n71 1RB Bottom Edge 10mm/Low/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.332 W/kg

NR n71 1RB Bottom Edge 10mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.584 V/m; Power Drift = 0.048 dB

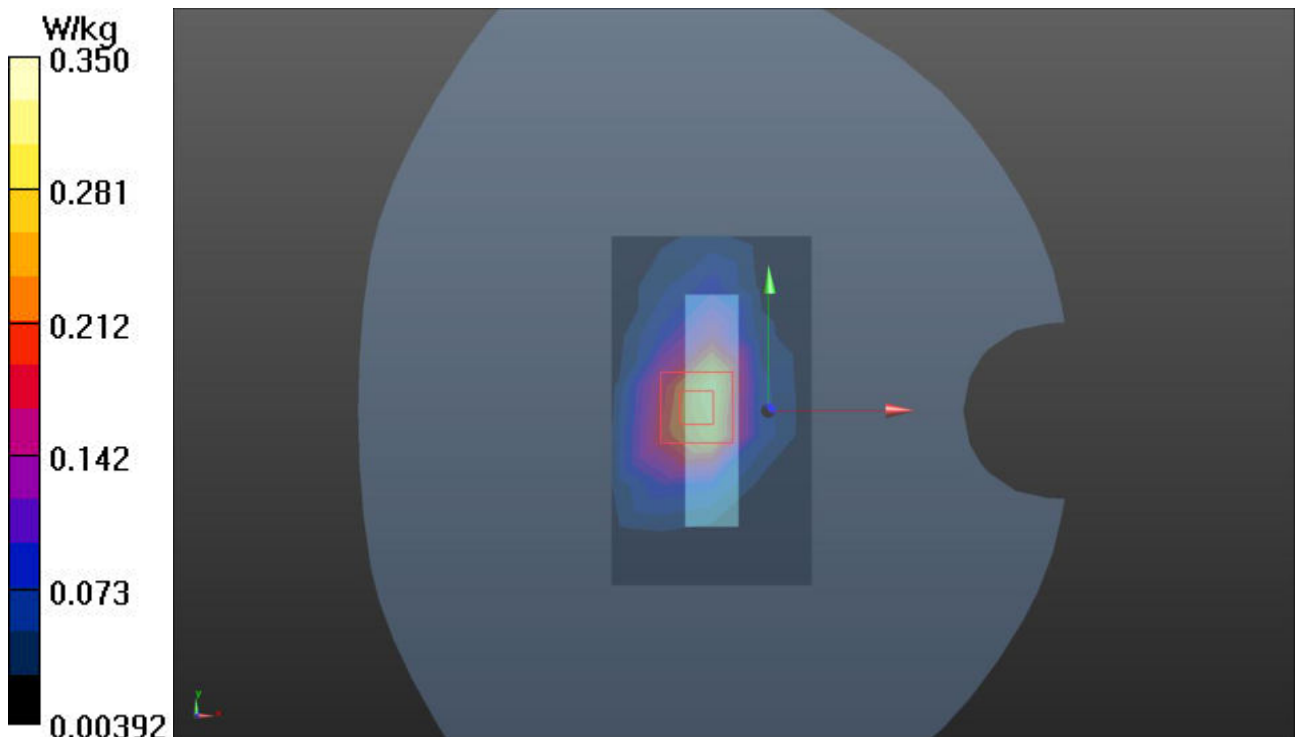
Peak SAR (extrapolated) = 0.652 W/kg

SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.136 W/kg

Smallest distance from peaks to all points 3 dB below = 10.5 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 0.350 W/kg



Plot 39 NR n77 1RB Back Side Middle (Distance 10mm)

Date: 2026/1/23

Communication System: UID 0, 5G NR (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.693$ S/m; $\epsilon_r = 39.875$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(6.91, 6.91, 6.91); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n77 1RB Back Side 10mm/Mid/Area Scan (11x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.375 W/kg

NR n77 1RB Back Side 10mm/Mid/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.151 V/m; Power Drift = -0.033 dB

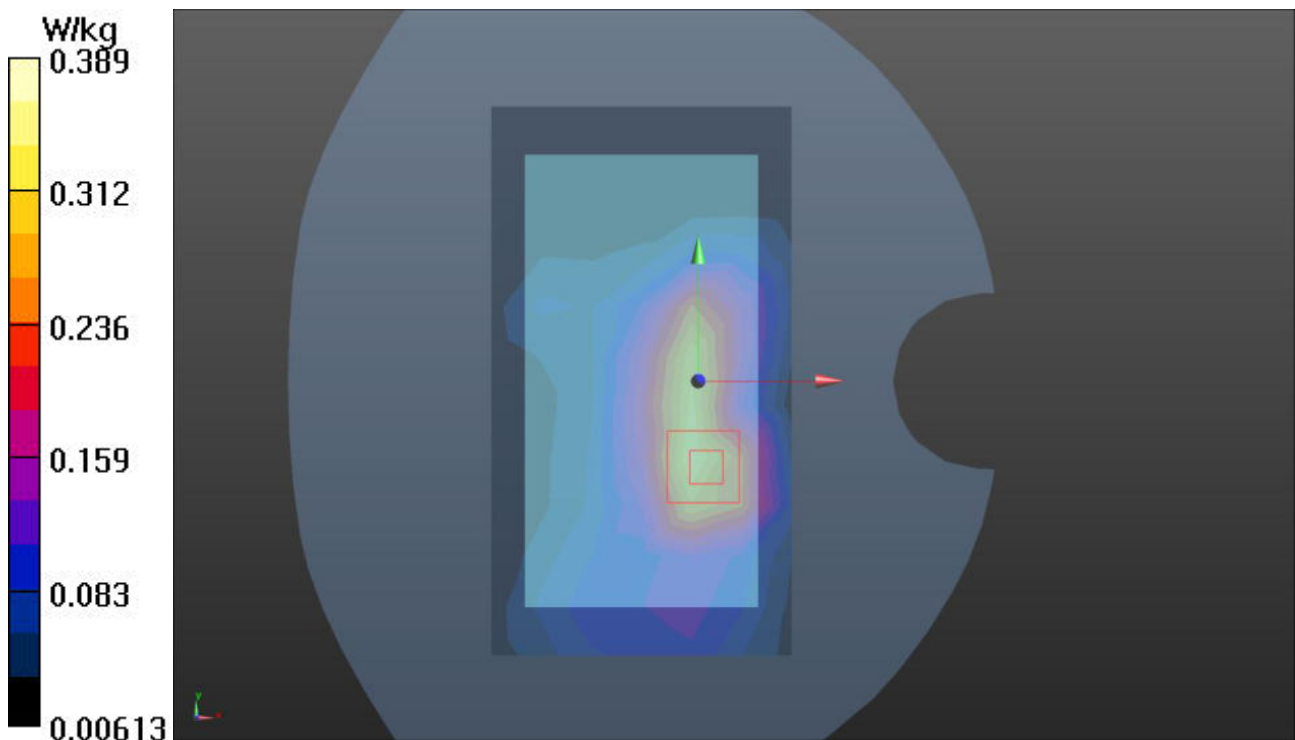
Peak SAR (extrapolated) = 0.559 W/kg

SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.173 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 59%

Maximum value of SAR (measured) = 0.389 W/kg



Plot 40 NTN n255 1RB Back Side High (Distance 10mm)

Date: 2026/1/13

Communication System: UID 0, 5G NR (0); Frequency: 1660.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1660.4$ MHz; $\sigma = 1.321$ S/m; $\epsilon_r = 39.202$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(8.29, 8.29, 8.29); Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NTN n255 1RB Back Side 10mm/High/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.310 W/kg

NTN n255 1RB Back Side 10mm/High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.04 V/m; Power Drift = 0.09 dB

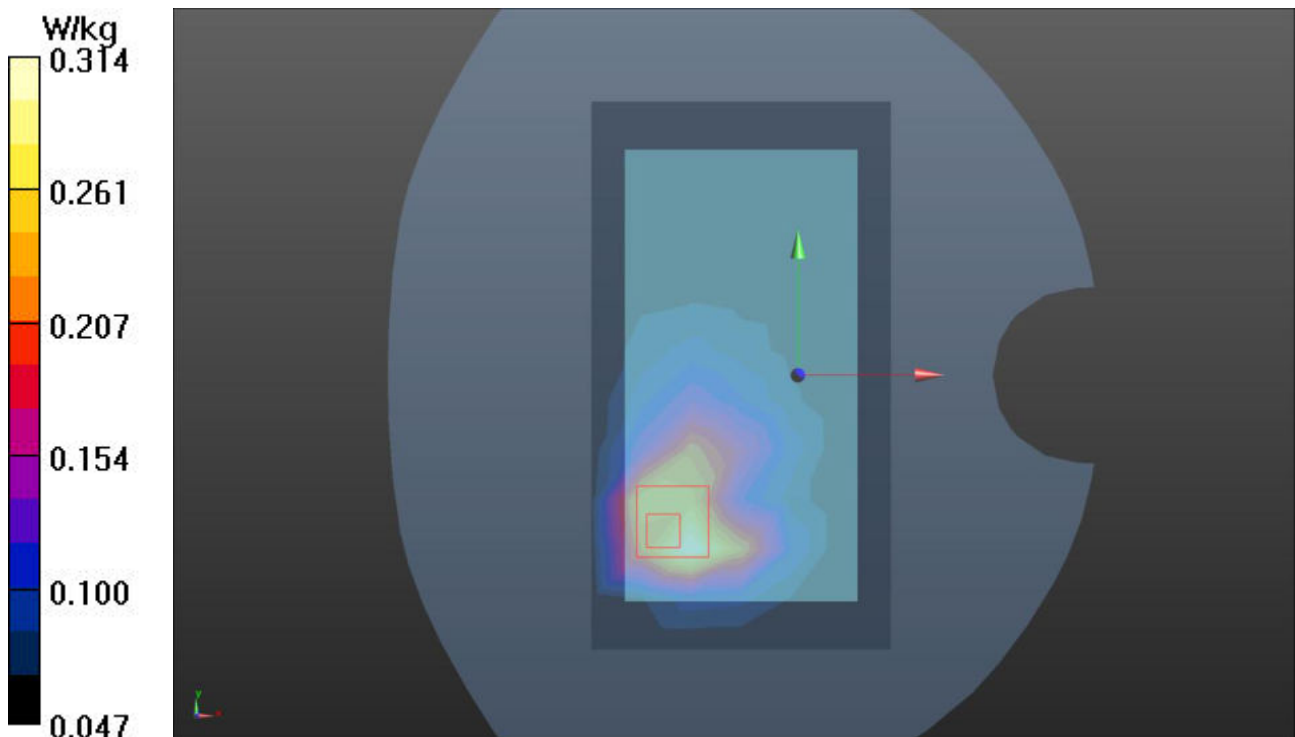
Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.154 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 46.4%

Maximum value of SAR (measured) = 0.314 W/kg



Plot 41 NTN n23 1RB Back Side Low (Distance 10mm)

Date: 2026/1/19

Communication System: UID 0, 5G NR (0); Frequency: 2000.1 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2000.1$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 38.43$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 - SN3677; ConvF(4.98, 4.98, 4.98) Calibrated: 2025/5/28

Electronics: DAE4 Sn1317; Calibrated: 2025/11/19

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NTN n23 1RB Back Side 10mm/Low/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.655 W/kg

NTN n23 1RB Back Side 10mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.98 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.299 W/kg

Smallest distance from peaks to all points 3 dB below = 16.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 0.779 W/kg

