



TEST REPORT

No. 25T04N000942-012-SAR

For

Sonim Technologies, Inc.

5G feature phone

**Model Name: X530(S1501), X530(S1601), X530(S1504), X530(S1604),
X530(S1502), X530(S1602), X530(S1503), X530(S1603), X530(S1510),
X530(S1610)**

With

Hardware Version: V1.0

Software Version: X53.0-01-15.0-10.07.00

FCC ID: WYPS1501

Issued Date: 2025-08-26

Designation Number: CN1210

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

Test Laboratory:

SAICT, Shenzhen Academy of Information and Communications Technology

Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518000.

Tel:+86(0)755-33322000, Fax:+86(0)755-33322001

Email: yewu@caict.ac.cn. www.saict.ac.cn



REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04N000942-012-SAR	Rev.0	1st edition	2025-08-26

CONTENTS

1. Summary of Test Report.....	5
1.1. Test Items.....	5
1.2. Test Standards.....	5
1.3. Test Result.....	5
1.4. Testing Location.....	5
1.5. Project Data.....	5
1.6. Signature.....	5
2. Statement of Compliance.....	6
3. Client Information	8
3.1. Applicant Information	8
3.2. Manufacturer Information.....	8
4. Equipment under Test (EUT) and Ancillary Equipment (AE).....	9
4.1. About EUT.....	9
4.2. Internal Identification of EUT used during the test	10
4.3. Internal Identification of AE used during the test.....	10
4.4. General Description	11
5. Test Methodology.....	12
5.1. Applicable Limit Regulations	12
5.2. Applicable Measurement Standards.....	12
6. Specific Absorption Rate (SAR)	13
6.1. Introduction	13
6.2. SAR Definition	13
7. Tissue Simulating Liquids.....	14
7.1. Targets for tissue simulating liquid.....	14
7.2. Dielectric Performance.....	15
8. System Check.....	17
8.1. System Setup	17
8.2. System Check	19
9. Measurement Procedures	20
9.1. Tests to be performed	20
9.2. General Measurement Procedure	22
9.3. WCDMA Measurement Procedures for SAR	23
9.4. SAR Measurement for LTE	24
9.5. LTE (TDD) Considerations	25
9.6. Bluetooth & WLAN Measurement Procedures for SAR.....	26
9.7. Power Drift	26

9.8. Proximity Sensor Considerations	26
10. Conducted Output Power.....	27
10.1. WCDMA Measurement result.....	28
10.2. LTE Measurement result.....	31
10.3. NR Measurement result	58
10.4. Bluetooth and WLAN Measurement result.....	75
11. Simultaneous TX SAR Considerations	79
11.1. Transmit Antenna Position and Size	79
11.2. SAR Measurement Positions.....	82
11.3. Evaluation of Simultaneous.....	82
12. Summary of Test Results	85
12.1. Testing Environment	86
12.2. Test Results.....	87
13. SAR Measurement Variability	104
14. Measurement Uncertainty	105
14.1. Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz).....	105
14.2. Measurement Uncertainty for Normal SAR Tests (3GHz~6GHz).....	106
15. Main Test Instruments	107
ANNEX A: Graph Results	108
ANNEX B: System Check Results	230
ANNEX C: SAR Measurement Setup.....	272
ANNEX D: Position of the wireless device in relation to the phantom	278
ANNEX E: Equivalent Media Recipes.....	281
ANNEX F: System Validation	282
ANNEX G: DAE Calibration Certificate	283
ANNEX H: Probe Calibration Certificate.....	286
ANNEX I: Dipole Calibration Certificate.....	308
ANNEX J: Extended Calibration SAR Dipole	376
ANNEX K: LTE Band 41 Power Class 2 and Power Class 3 Linearity	378
ANNEX L: Sensor Triggering Data Summary.....	380

1. Summary of Test Report

1.1. Test Items

Description: 5G feature phone
Model Name: X530(S1501), X530(S1601), X530(S1504), X530(S1604), X530(S1502),
X530(S1602), X530(S1503), X530(S1603), X530(S1510), X530(S1610)
Applicant's Name: Sonim Technologies, Inc.
Manufacturer's Name: Sonim Technologies, Inc.

1.2. Test Standards

ANSI C95.1:1992, IEEE Std 1528:2013

1.3. Test Result

Pass. Please refer to "12. Summary of Test Results"

1.4. Testing Location

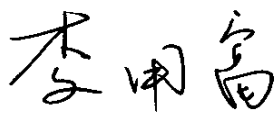
Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road,
Futian District, Shenzhen, Guangdong, P. R. China

1.5. Project Data

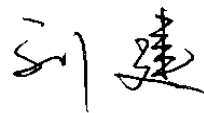
Testing Start Date: 2025-08-02

Testing End Date: 2025-08-18

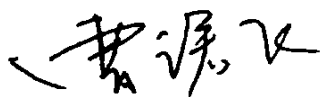
1.6. Signature



Li Yongfu
(Prepared this test report)



Liu Jian
(Reviewed this test report)



Cao Junfei
(Approved this test report)

2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for Sonim Technologies, Inc. 5G feature phone X530 are as follows:

Table 2.1: Highest Reported SAR

Equipment Class	Frequency Bands	1g SAR (W/kg)			10g SAR (W/kg)
		Head (Separation 0mm)	Hotspot (Separation 10mm)	Body-worn (Separation 15mm)	Extremity (Separation 0mm)
PCE	WCDMA Band 2	0.18	0.78	0.78 ^[1]	/
PCE	WCDMA Band 4	0.19	0.78	0.78 ^[1]	/
PCE	WCDMA Band 5	0.79	0.57	0.57 ^[1]	/
PCE	LTE Band 7	0.31	0.63	0.63 ^[1]	/
PCE	LTE Band 12	0.42	0.38	0.38 ^[1]	/
PCE	LTE Band 13	0.53	0.57	0.57 ^[1]	/
PCE	LTE Band 14	0.49	0.49	0.49 ^[1]	/
PCE	LTE Band 25/2	0.14	0.64	0.64 ^[1]	/
PCE	LTE Band 26/5	0.48	0.39	0.39 ^[1]	/
PCE	LTE Band 66/4	0.39	0.56	0.50 ^[1]	/
PCE	LTE Band 30	0.13	0.67	0.67 ^[1]	/
PCE	LTE Band 71	0.37	0.46	0.46 ^[1]	/
PCE	LTE Band 38	0.79	0.23	0.19 ^[1]	/
PCE	LTE Band 41	0.70	0.23	0.18 ^[1]	/
PCE	LTE Band 42	0.66	0.38	0.29 ^[1]	/
CBE	LTE Band 48/42/43	0.57	0.37	0.31 ^[1]	/
PCE	NR n5	0.58	0.41	0.41 ^[1]	/
PCE	NR n7	0.16	0.54	0.54 ^[1]	/
PCE	NR n14	0.44	0.47	0.47 ^[1]	/
PCE	NR n25/n2	0.25	0.99	0.99 ^[1]	/
PCE	NR n66	0.21	1.16	1.16 ^[1]	/
PCE	NR n71	0.37	0.40	0.40 ^[1]	/
PCE	NR n41/n38	0.74	0.59	0.54 ^[1]	/
CBE	NR n48	0.62	0.70	0.51 ^[1]	/
PCE	NR n77 Part 27Q / n78	0.74	0.98	0.86 ^[1]	/
PCE	NR n77 Part 27O	0.71	1.03	0.66 ^[1]	
DSS	Bluetooth	0.38	0.16	0.16 ^[1]	/
DTS	WLAN 2.4GHz	0.40	0.39	0.39 ^[1]	/
NII	WLAN 5GHz	0.76	0.31	0.26 ^[1]	0.64

Maximum Simultaneous Transmission SAR	1.56	1.57	1.57	/
--	------	------	------	---

Note1: SAR result at 10mm is used for conservative evaluation.

This device is in compliance with Specific Absorption Rate (SAR) for general population/ uncontrolled exposure limits (1.6 W/kg for Head/Body 1g SAR, 4.0 W/kg for Extremity 10g SAR) specified in ANSI C95.1:1992.

The highest reported SAR value is obtained at the case of **(Table 2.1)**, Head value is **0.79 W/kg (1g)**, Hotspot value is **1.16 W/kg (1g)**, Body-worn value is **1.16 W/kg (1g)** and Extremity SAR value is **0.64 W/kg (10g)**.

3. Client Information

3.1. Applicant Information

Company Name:	Sonim Technologies, Inc.
Address:	4445 Eastgate Mall, Suite 200, San Diego, CA 92121, USA
Contact:	Avena.Xu /TA manager
Email:	Avena.xu@sonimtech.com
Telephone:	001-650-378-8100

3.2. Manufacturer Information

Company Name:	Sonim Technologies, Inc.
Address:	4445 Eastgate Mall, Suite 200, San Diego, CA 92121, USA
Contact:	Avena.Xu /TA manager
Email:	Avena.xu@sonimtech.com
Telephone:	001-650-378-8100

4. Equipment under Test (EUT) and Ancillary Equipment (AE)

4.1. About EUT

Description:	5G feature phone
Model Name:	X530(S1501), X530(S1601), X530(S1504), X530(S1604), X530(S1502), X530(S1602), X530(S1503), X530(S1603), X530(S1510), X530(S1610)
Condition of EUT as received:	No obvious damage in appearance
Frequency Bands:	WCDMA Band 1/2/4/5/8, LTE Band 1/2/3/4/5/7/8/12/13/14/20/25/26/28/29/30/38/ 41/42/43/48/66/71, NR FR1: n2/5/7/14/25/28/38/41/48/66/71/77/78, Bluetooth, WLAN 2.4GHz/5GHz
Tested Tx Frequency:	1850 – 1910MHz (WCDMA Band 2)
	1710 – 1755MHz (WCDMA Band 4)
	824 – 849MHz (WCDMA Band 5)
	1850 – 1910MHz (LTE Band 2)
	1710 – 1755MHz (LTE Band 4)
	824 – 849MHz (LTE Band 5)
	2500 – 2570MHz (LTE Band 7)
	699 – 716MHz (LTE Band 12)
	777 – 787MHz (LTE Band 13)
	788 – 798MHz (LTE Band 14)
	1850 – 1915MHz (LTE Band 25)
	814 – 849MHz (LTE Band 26)
	2305 – 2315MHz (LTE Band 30)
	2570 – 2620MHz (LTE Band 38)
	2496 – 2690MHz (LTE Band 41)
	3450 – 3550MHz, 3550 – 3600MHz (LTE Band 42)
	3600 – 3700MHz (LTE Band 43)
	3550 – 3700MHz (LTE Band 48)
	1710 – 1780MHz (LTE Band 66)
	663 – 698MHz (LTE Band 71)
	1850 – 1910MHz (NR n2)
	824 – 849MHz (NR n5)
	2500 – 2570MHz (NR n7)
	788 – 798MHz (NR n14)
	1850 – 1915MHz (NR n25)
	2570 – 2620MHz (NR n38)
	2496 – 2690MHz (NR n41)
	3550 – 3700MHz (NR n48)
	1710 – 1780MHz (NR n66)

	663 – 698MHz (NR n71)
	3450 – 3550MHz, 3700 – 3980MHz (NR n77)
	3450 – 3550MHz (NR n78)
	2402 – 2480MHz (Bluetooth)
	2412 – 2462MHz (WLAN 2.4GHz)
	5150 – 5850MHz (WLAN 5GHz)
Test device Production information:	Production unit
Device type:	Portable device
Antenna type:	Embedded antenna
Hotspot mode:	Support
Product Dimensions:	Long 163.69mm; Wide 66.00mm; Overall Diagonal 157.70mm
Note: 1. This device WLAN 5GHz U-NII-2A and U-NII-2C don't support hotspot operation. 2. This device support the receiver detection mechanism, the main purpose is to minimize triggering associated with power reduction scenarios by receiver detection mechanisms and provide enhanced user experience. It uses the receiver to indicate whether the user is making a call in head scenario or not. The selection between head and body power levels is based on the receiver detection mechanism. It can determine proximity to head or body and set the relevant power level for WLAN antennas accordingly. 3. This report evaluates the following frequency bands in accordance with FCC regulations: WCDMA Band 2/4/5, LTE Band 2/4/5/7/12/13/14/25/26/30/38/41/42/43/48/66/71, NR Band n2/n5/n7/n14/n25/n38/n41/n48/n66/n71/n77/n78, Bluetooth, WLAN 2.4GHz/5GHz.	

*Since the information of samples in this report is provided by the client, the laboratory is not responsible for the authenticity of sample information.

4.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version	Receipt Date
UT07aa	016724000000668	V1.0	X53.0-01-15.0-10.07.00	2025-06-04
UT13aa	0167240000004629	V1.0	X53.0-01-15.0-10.07.00	2025-06-11
UT15aa	0167240000008042	V1.0	X53.0-01-15.0-10.07.00	2025-06-11
UT17aa	0167240000001120	V1.0	X53.0-01-15.0-10.07.00	2025-06-23
UT18aa	0167250000005227	V1.0	X53.0-01-15.0-10.07.00	2025-07-03

*EUT ID: is used to identify the test sample in the lab internally.

Note: It is performed to test SAR with the UT13aa & UT15aa & UT18aa, and conducted power with the UT07aa & UT17aa.

4.3. Internal Identification of AE used during the test

AE ID*	Description	Model	Manufacturer
AE1	Battery	BAT-03500-11S	Tianjin Lishen Juyuan New Energy Technology Co.,Ltd.

*AE ID: is used to identify the test sample in the lab internally.

4.4. General Description

According to “Product Equality Declaration” provided by applicant, the table below shows the difference between configuration1 and configuration2:

Model Difference	Configuration1	Configuration2
Knob	Yes	No
		

We perform tests on all SAR values using Configuration 1. For configuration 2, we conducted spot checks on the worst-case SAR of Configuration 1 using Antenna 0/1, and conducted full tests on Antenna 2/3.

This report is based on the model X530(S1501) for the primary complete test.

According to “Product Equality Declaration” provided by applicant, all test results of the model X530(S1601)/X530(S1504)/X530(S1604)/X530(S1502)/X530(S1602)/X530(S1503)/X530(S1603)/X530(S1510)/X530(S1610) is cited from the model X530(S1501), there is no need to add any additional tests.

5. Test Methodology

5.1. Applicable Limit Regulations

ANSI C95.1:1992 IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

It specifies the maximum exposure limit of **1.6 W/kg** as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.

5.2. Applicable Measurement Standards

IEEE Std 1528:2013 Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Experimental Techniques.

KDB 447498 D01 General RF Exposure Guidance v06 RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices

KDB 648474 D04 Handset SAR v01r03 SAR Evaluation Considerations for Wireless Handsets.

KDB 941225 D01 SAR test for 3G devices v03r01 SAR Measurement Procedures for 3G Devices

KDB 941225 D05 SAR for LTE Devices v02r05 SAR Evaluation Considerations for LTE Devices

KDB 941225 D06 Hot Spot SAR v02r01 SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities

KDB 248227 D01 802.11 Wi-Fi SAR v02r02 SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters.

KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04 SAR Measurement Requirements for 100 MHz to 6 GHz

KDB 865664 D02 RF Exposure Reporting v01r02 RF Exposure Compliance Reporting and Documentation Considerations

KDB 941225 D07 UMPC Mini Tablet v01r02 SAR Evaluation Procedures for UMPC Mini-Tablet Devices

KDB 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02: REL. 10 LTE SAR TEST GUIDANCE AND KDB INQUIRIES

6. Specific Absorption Rate (SAR)

6.1. Introduction

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

6.2. SAR Definition

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

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

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

SAR measurement can be either related to the temperature elevation in tissue by

$$SAR = c \left(\frac{\delta T}{\delta t} \right)$$

Where: C is the specific heat capacity, δT is the temperature rise and δt is the exposure duration, or related to the electrical field in the tissue by

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

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

However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

7. Tissue Simulating Liquids

7.1. Targets for tissue simulating liquid

Table 7.1: Targets for tissue simulating liquid

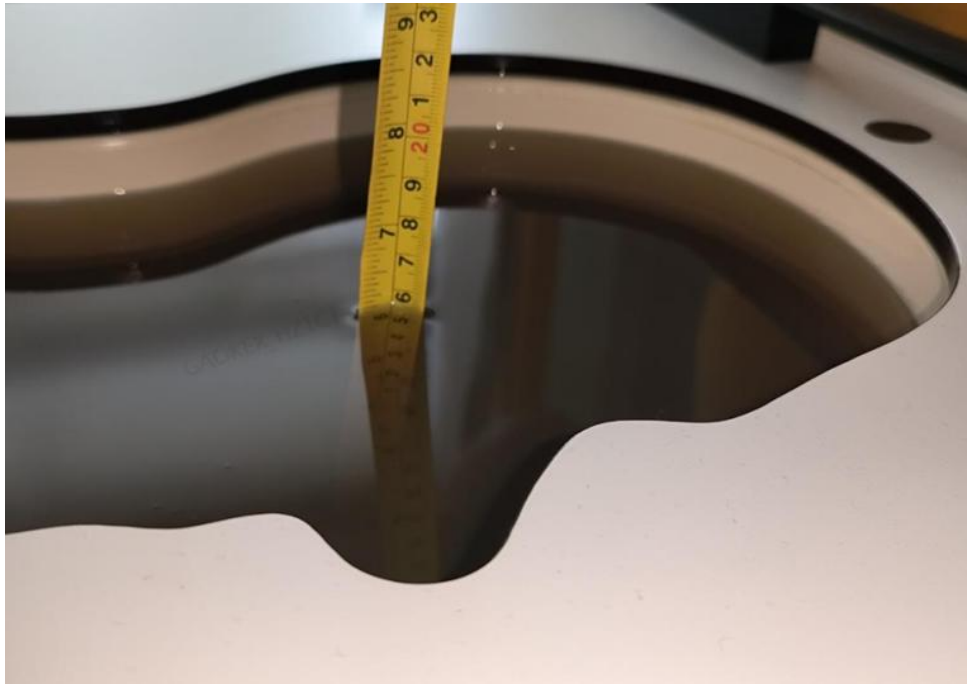
Frequency (MHz)	Liquid Type	Conductivity (σ)	$\pm 5\%$ Range	Permittivity (ϵ)	$\pm 5\%$ Range
750	Head	0.89	0.85~0.93	42.0	39.9~44.1
835	Head	0.90	0.86~0.95	41.5	39.4~43.6
1750	Head	1.37	1.30~1.44	40.1	38.1~42.1
1900	Head	1.40	1.33~1.47	40.0	38.0~42.0
2300	Head	1.67	1.57~1.75	39.5	37.5~41.4
2450	Head	1.80	1.71~1.89	39.2	37.2~41.2
2550	Head	1.91	1.81~2.01	39.1	37.1~41.0
3500	Head	2.91	2.77~3.05	37.9	36.0~39.8
3700	Head	3.12	2.97~3.27	37.7	35.8~39.5
3900	Head	3.32	3.16~3.48	37.5	35.7~39.3
5250	Head	4.71	4.47~4.95	35.9	34.1~37.7
5600	Head	5.07	4.82~5.32	35.5	33.8~37.3
5750	Head	5.22	4.96~5.48	35.4	33.6~37.1

7.2. Dielectric Performance

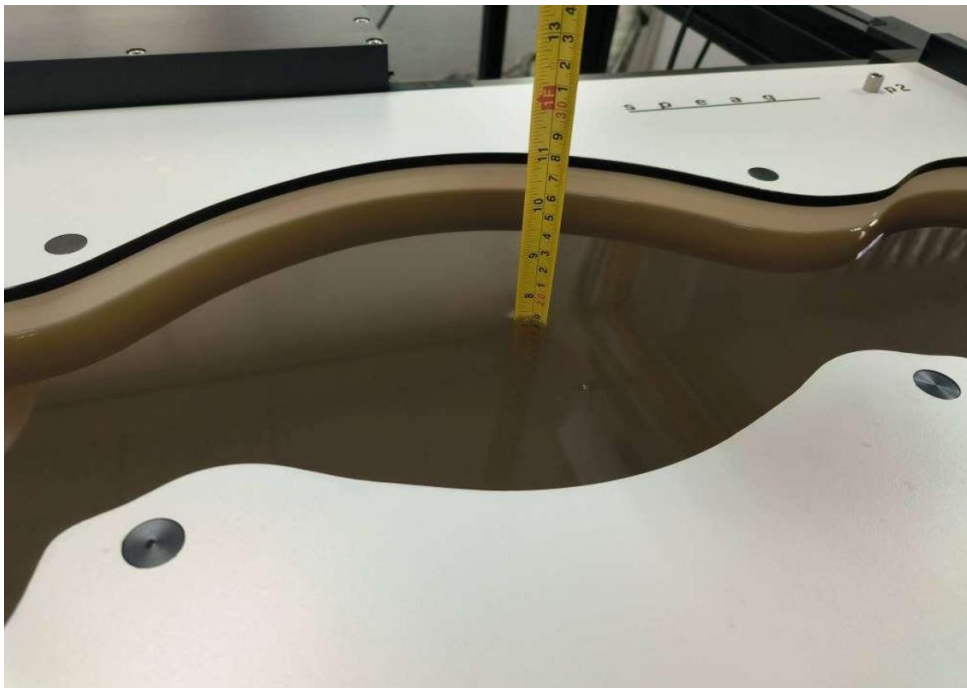
Table 7.2: Dielectric Performance of Tissue Simulating Liquid

Measurement Date (yyyy-mm-dd)	Frequency (MHz)	Conductivity σ (S/m)	Drift (%)	Permittivity ϵ	Drift (%)
2025-08-04	750	0.878	-1.35	43.26	3.00
2025-08-08	750	0.913	2.58	41.51	-1.17
2025-08-02	835	0.926	2.89	40.72	-1.88
2025-08-10	835	0.895	-0.56	42.19	1.66
2025-08-03	1750	1.362	-0.58	40.96	2.14
2025-08-13	1750	1.387	1.24	39.65	-1.12
2025-08-05	1900	1.393	-0.50	40.79	1.98
2025-08-11	1900	1.434	2.43	39.28	-1.80
2025-08-06	2300	1.695	1.50	38.41	-2.76
2025-08-14	2450	1.847	2.61	37.95	-3.19
2025-08-07	2550	1.952	2.20	38.24	-2.20
2025-08-12	2550	1.943	1.73	38.45	-1.66
2025-08-18	2550	1.880	-1.57	39.69	1.51
2025-08-06	3500	2.977	2.30	37.53	-0.98
2025-08-16	3500	2.891	-0.65	38.77	2.30
2025-08-09	3700	3.184	2.05	37.10	-1.59
2025-08-16	3700	3.068	-1.67	38.94	3.29
2025-08-16	3900	3.395	2.26	36.39	-2.96
2025-08-15	5250	4.642	-1.44	36.80	2.51
2025-08-15	5600	4.969	-1.99	36.27	2.17
2025-08-15	5750	5.326	2.03	34.78	-1.75

Note: The liquid temperature is 22.0°C.



Picture 7.1 Liquid depth in the Head Phantom (0.6GHz - 7.5GHz)

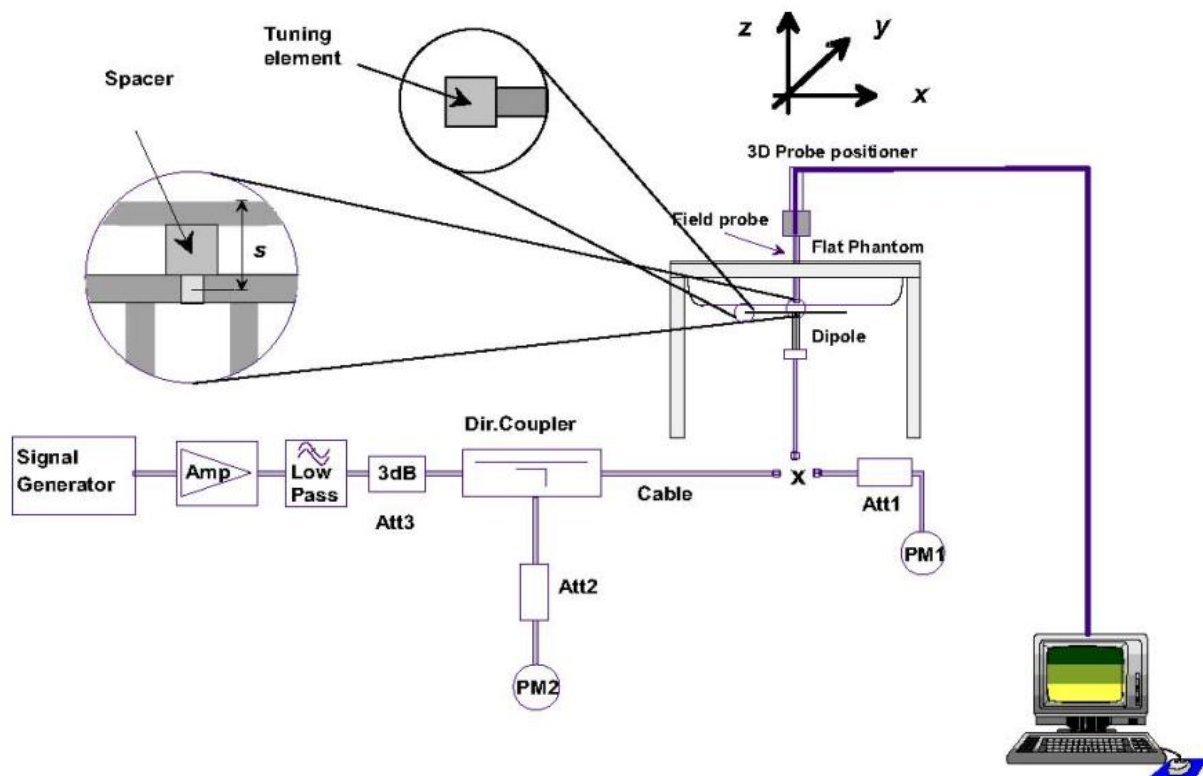


Picture 7.2 Liquid depth in the Flat Phantom (0.6GHz - 7.5GHz)

8. System Check

8.1. System Setup

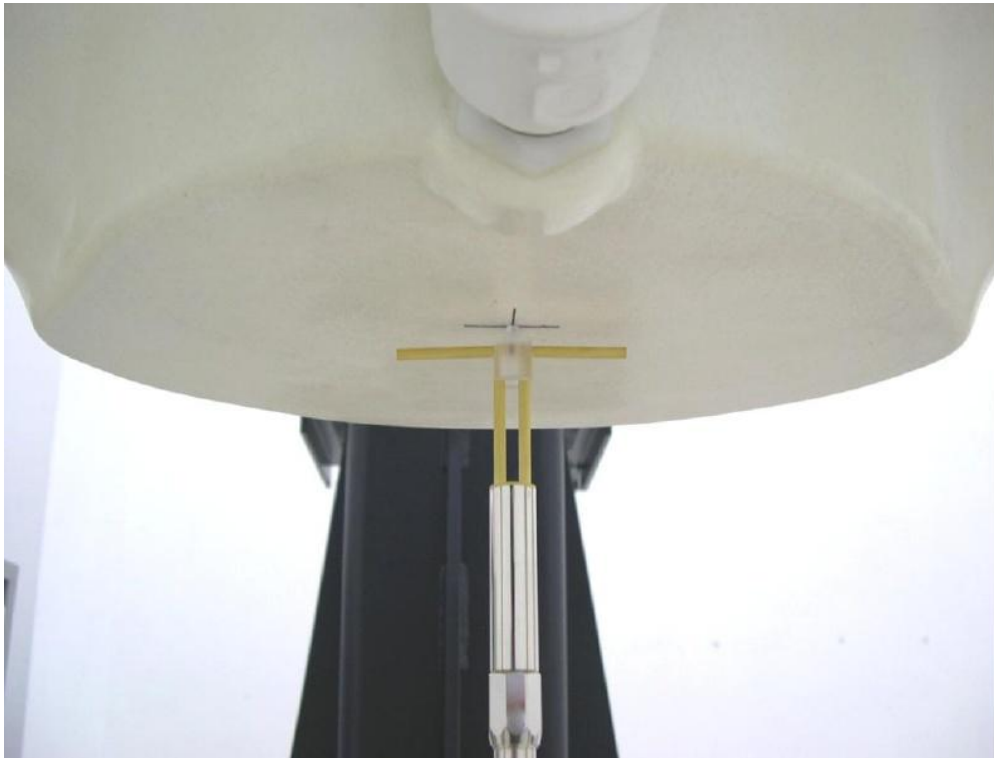
In the simplified setup for system evaluation, the DUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



Picture 8.1 System Setup for System Evaluation

For the dipole below 6GHz, the output power on dipole port must be calibrated to 17 dBm (50mW) before dipole is connected.

For the dipole above 6GHz, the output power on dipole port must be calibrated to 14 dBm (25mW) before dipole is connected.



Picture 8.2 Photo of Dipole Setup

8.2. System Check

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device.

Table 8.1: System Check of Head

Measurement Date	Frequency (MHz)	Target value (W/kg)		Measured value (W/kg)				Deviation (%)	
				/		Normalize to 1W			
		1 g	10 g	1 g	10 g	1 g	10 g	1 g	10 g
2025-08-04	750	8.48	5.62	0.405	0.270	8.10	5.40	-4.48	-3.91
2025-08-08	750	8.48	5.62	0.436	0.284	8.72	5.68	2.83	1.07
2025-08-02	835	9.59	6.40	0.497	0.325	9.94	6.50	3.65	1.56
2025-08-10	835	9.59	6.40	0.460	0.311	9.20	6.22	-4.07	-2.81
2025-08-03	1750	36.30	19.60	1.77	0.961	35.40	19.22	-2.48	-1.94
2025-08-13	1750	36.30	19.60	1.90	0.998	38.00	19.96	4.68	1.84
2025-08-05	1900	39.70	20.90	1.95	1.04	39.00	20.80	-1.76	-0.48
2025-08-11	1900	39.70	20.90	2.08	1.08	41.60	21.60	4.79	3.35
2025-08-06	2300	49.10	24.00	2.55	1.24	51.00	24.80	3.87	3.33
2025-08-14	2450	52.70	24.80	2.74	1.27	54.80	25.40	3.98	2.42
2025-08-07	2550	55.00	25.00	2.88	1.30	57.60	26.00	4.73	4.00
2025-08-12	2550	55.00	25.00	2.82	1.26	56.40	25.20	2.55	0.80
2025-08-18	2550	55.00	25.00	2.63	1.21	52.60	24.20	-4.36	-3.20
2025-08-06	3500	65.40	25.60	3.39	1.32	67.80	26.40	3.67	3.13
2025-08-16	3500	65.40	25.60	3.12	1.23	62.40	24.60	-4.59	-3.91
2025-08-09	3700	66.70	25.00	3.44	1.28	68.80	25.60	3.15	2.40
2025-08-16	3700	66.70	25.00	3.18	1.20	63.60	24.00	-4.65	-4.00
2025-08-16	3900	67.00	24.00	3.47	1.24	69.40	24.80	3.58	3.33
2025-08-15	5250	79.70	22.80	3.85	1.11	77.00	22.20	-3.39	-2.63
2025-08-15	5600	82.60	23.60	4.01	1.15	80.20	23.00	-2.91	-2.54
2025-08-15	5750	78.50	22.10	4.12	1.14	82.40	22.80	4.97	3.17

9. Measurement Procedures

9.1. Tests to be performed

In order to determine the highest value of the peak spatial-average SAR of a handset, all device positions, configurations and operational modes shall be tested for each frequency band according to steps 1 to 3 below. A flowchart of the test process is shown in picture 9.1.

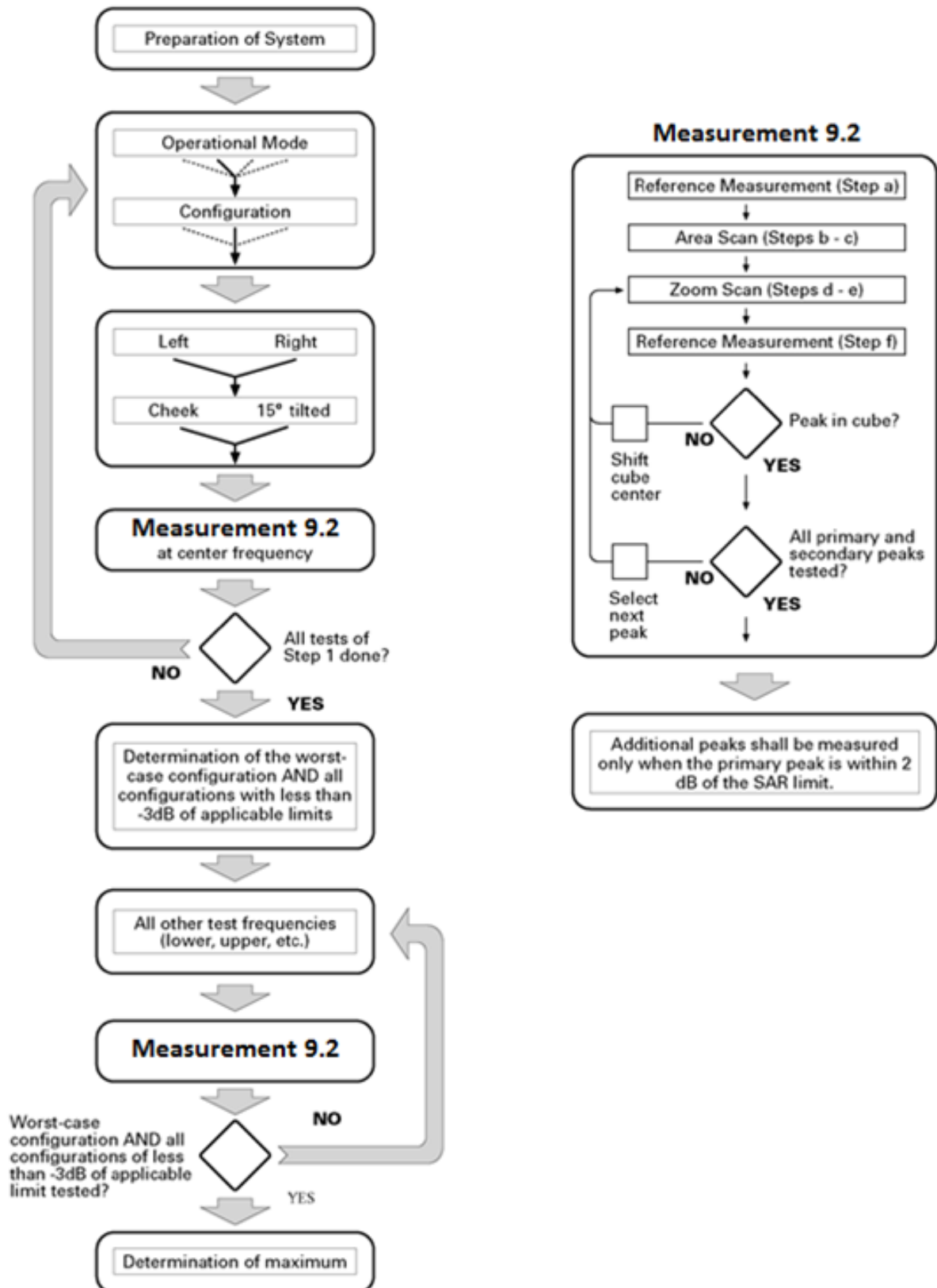
Step 1: The tests described in 9.2 shall be performed at the channel that is closest to the center of the transmit frequency band (f_c) for:

- a) all device positions (cheek and tilt, for both left and right sides of the SAM phantom, as described in annex D),
- b) all configurations for each device position in a), e.g., antenna extended and retracted, and
- c) all operational modes, e.g., analogue and digital, for each device position in a) and configuration in b) in each frequency band.

If more than three frequencies need to be tested according to 11.1 (i.e., $N_C > 3$), then all frequencies, configurations and modes shall be tested for all of the above test conditions.

Step 2: For the condition providing highest peak spatial-average SAR determined in Step 1, perform all tests described in 9.2 at all other test frequencies, i.e., lowest and highest frequencies. In addition, for all other conditions (device position, configuration and operational mode) where the peak spatial-average SAR value determined in Step 1 is within 3 dB of the applicable SAR limit, it is recommended that all other test frequencies shall be tested as well.

Step 3: Examine all data to determine the highest value of the peak spatial-average SAR found in Steps 1 to 2.



Picture 9.1 Block diagram of the tests to be performed

9.2. General Measurement Procedure

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements and fully documented in SAR reports to qualify for TCB approval. Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013. The results should be documented as part of the system validation records and may be requested to support test results when all the measurement parameters in the following table are not satisfied.

			$\leq 3\text{ GHz}$	$> 3\text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			$5 \pm 1\text{ mm}$	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5\text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}			$\leq 2\text{ GHz}: \leq 15\text{ mm}$ $2 - 3\text{ GHz}: \leq 12\text{ mm}$	$3 - 4\text{ GHz}: \leq 12\text{ mm}$ $4 - 6\text{ GHz}: \leq 10\text{ mm}$
			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 $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom} , Δy_{Zoom}			$\leq 2\text{ GHz}: \leq 8\text{ mm}$ $2 - 3\text{ GHz}: \leq 5\text{ mm}^*$	$3 - 4\text{ GHz}: \leq 5\text{ mm}^*$ $4 - 6\text{ GHz}: \leq 4\text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		$\leq 5\text{ mm}$	$3 - 4\text{ GHz}: \leq 4\text{ mm}$ $4 - 5\text{ GHz}: \leq 3\text{ mm}$ $5 - 6\text{ GHz}: \leq 2\text{ mm}$
	graded grid	$\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface	$\leq 4\text{ mm}$	$3 - 4\text{ GHz}: \leq 3\text{ mm}$ $4 - 5\text{ GHz}: \leq 2.5\text{ mm}$ $5 - 6\text{ GHz}: \leq 2\text{ mm}$
		$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		$\geq 30\text{ mm}$	$3 - 4\text{ GHz}: \geq 28\text{ mm}$ $4 - 5\text{ GHz}: \geq 25\text{ mm}$ $5 - 6\text{ GHz}: \geq 22\text{ mm}$
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <u>reported</u> SAR from the area scan based 1-g SAR estimation 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 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

9.3. WCDMA Measurement Procedures for SAR

The following procedures are applicable to WCDMA handsets operating under 3GPP Release99, Release 5 and Release 6. The default test configuration is to measure SAR with an established radio link between the DUT and a communication test set using a 12.2kbps RMC (reference measurement channel) configured in Test Loop Mode 1. SAR is selectively confirmed for other physical channel configurations (DPCCH & DPDCH_n), HSDPA and HSPA (HSUPA/HSDPA) modes according to output power, exposure conditions and device operating capabilities. Both uplink and downlink should be configured with the same RMC or AMR, when required. SAR for Release 5 HSDPA and Release 6 HSPA are measured using the applicable FRC (fixed reference channel) and E-DCH reference channel configurations. Maximum output power is verified according to applicable versions of 3GPP TS 34.121 and SAR must be measured according to these maximum output conditions. When Maximum Power Reduction (MPR) is not implemented according to Cubic Metric (CM) requirements for Release 6 HSPA, the following procedures do not apply.

For Release 5 HSDPA Data Devices:

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	β_{hs}	CM/dB
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15	15/15	64	12/15	24/25	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

For Release 6 HSPA Data Devices

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	β_{hs}	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM (dB)	MPR (dB)	AG Index	E-TFCI
1	11/15	15/15	64	11/15	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	12/15	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	4/15	56/75	4	1	3.0	2.0	17	71
5	15/15	15/15	64	15/15	24/15	30/15	134/15	4	1	1.0	0.0	21	81

9.4. SAR Measurement for LTE

SAR tests for LTE are performed with a base station simulator, Anristu MT8820C. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. All powers were measured with the Anristu MT8820C. It is performed for conducted power and SAR based on the KDB941225 D05.

SAR is evaluated separately according to the following procedures for the different test positions in each exposure condition – head, body, body-worn accessories and other use conditions. The procedures in the following subsections are applied separately to test each LTE frequency band.

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 among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required 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

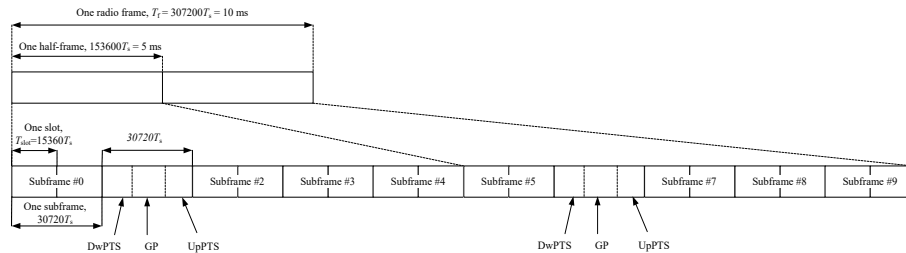
For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured 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.

9.5. LTE (TDD) Considerations

According to KDB 941225 D05 SAR for LTE Devices, 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.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band supports 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.



Frame structure type 2

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

Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-point Periodicity	Subframe Number										Calculated Duty Cycle (%)
		0	1	2	3	4	5	6	7	8	9	
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

Calculated Duty Cycle

Calculated Duty Cycle = Extended cyclic prefix in uplink x (Ts) x # of S + # of U

Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:

Calculated Duty Cycle = $5120 \times [1/(15000 \times 2048)] \times 2 + 6 \text{ ms} = 63.33\%$

Where:

$T_s = 1/(15000 \times 2048)$ seconds

9.6. Bluetooth & WLAN Measurement Procedures for SAR

Normal network operating configurations are not suitable for measuring the SAR of 802.11 transmitters in general. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure that the results are consistent and reliable.

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in a test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. The test frequencies should correspond to actual channel frequencies defined for domestic use. SAR for devices with switched diversity should be measured with only one antenna transmitting at a time during each SAR measurement, according to a fixed modulation and data rate. The same data pattern should be used for all measurements.

9.7. Power Drift

To control the output power stability during the SAR test, DASY5 system calculates the power drift by measuring the E-field at the same location at the beginning and at the end of the measurement for each test position. These drift values can be found in Section 12 labeled as: (Power Drift [dB]). This ensures that the power drift during one measurement is within 5%.

9.8. Proximity Sensor Considerations

This device uses a proximity sensor that share the same metallic electrode as the transmitting antenna to facilitate triggering in typical user interactivity with the device. Due to the operating configurations and exposure conditions required by the device, the proximity sensor is used to indicate when the device is held close to a user's body exposure condition. It utilizes the proximity sensor to reduce the output power in specific wireless and operating modes to ensure SAR compliance for the following scenarios: To reduce the output power of main antennas during body operating configurations. It is also set an output power leveled to the lowest one to make sure that in any case of SAR sensor hardware failure the SAR requirements can still be satisfied.

Sensor triggering distance summary data is included in Appendix L.

10. Conducted Output Power

Summary of power level – WWAN antenna

/	Stand-alone, WWAN + BT/WLAN	ENDC Mode, ENDC Mode + BT/WLAN
Sensor off	Power Level A1	Power Level A2
Sensor on	Power Level B1	Power Level B2

Antenna	Sensor	Power Level	Position
Ant.0	OFF	Power Level A1/A2	Left/Right/Top side for body SAR
			Front/Rear/Bottom side for body SAR of sensor Trigger distance-1
	ON	Power Level B1/B2	Front/Rear/Bottom side for body SAR
			For Head SAR
Ant.1	OFF	Power Level A1/A2	Left/Top/Bottom side for body SAR
			Front/Rear/Right side for body SAR of sensor Trigger distance-1
	ON	Power Level B1/B2	Front/Rear/Right side for body SAR
			For Head SAR
Ant.2	OFF	Power Level A1/A2	Left/Bottom side for body SAR
			Front/Rear/Right/Top side for body SAR of sensor Trigger distance-1
	ON	Power Level B1/B2	Front/Rear/Right/Top side for body SAR
			For Head SAR

Summary of power level – WLAN antenna

/	Stand-alone	WLAN + WWAN
Receiver on	Power Level C1	Power Level C2
Receiver off	Power Level D1	Power Level D2

10.1. WCDMA Measurement result

Table 10.1: The conducted power measurement results WCDMA

Ant.0 - WCDMA Band 2 Power Level A1

WCDMA Band 2		Conducted Power (dBm)			Tune up (dBm)
		Ch. 9538 (1907.6MHz)	Ch. 9400 (1880.0MHz)	Ch. 9262 (1852.4MHz)	
RMC	12.2kbps RMC	22.26	22.37	22.42	23.5
HSUPA	Sub - Test 1	19.30	19.33	19.36	20.5
	Sub - Test 2	19.32	19.41	19.43	20.5
	Sub - Test 3	20.61	20.64	20.66	21.5
	Sub - Test 4	19.44	19.53	19.58	20.5
	Sub - Test 5	21.65	21.72	21.77	22.5
HSDPA	Sub - Test 1	21.60	21.64	21.68	22.5
	Sub - Test 2	21.62	21.69	21.74	22.5
	Sub - Test 3	21.04	21.13	21.18	22.0
	Sub - Test 4	21.05	21.14	21.18	22.0
HSPA+	16QAM	21.23	221.30	21.33	22.0

Ant.0 - WCDMA Band 2 Power Level B1

WCDMA Band 2		Conducted Power (dBm)			Tune up (dBm)
		Ch. 9538 (1907.6MHz)	Ch. 9400 (1880.0MHz)	Ch. 9262 (1852.4MHz)	
RMC	12.2kbps RMC	20.31	20.44	20.56	21.5
HSUPA	Sub - Test 1	17.28	17.33	17.40	18.5
	Sub - Test 2	17.30	17.44	17.45	18.5
	Sub - Test 3	18.58	18.62	18.62	19.5
	Sub - Test 4	17.41	17.55	17.62	18.5
	Sub - Test 5	19.67	19.72	19.77	20.5
HSDPA	Sub - Test 1	19.60	19.62	19.65	20.5
	Sub - Test 2	19.63	19.72	19.75	20.5
	Sub - Test 3	19.08	19.16	19.16	20.0
	Sub - Test 4	19.03	19.13	19.18	20.0
HSPA+	16QAM	19.23	219.30	19.33	20.0

Ant.0 - WCDMA Band 4 Power Level A1

WCDMA Band 4		Conducted Power (dBm)			Tune up (dBm)
		Ch. 1513 (1752.6MHz)	Ch. 1413 (1732.6MHz)	Ch. 1312 (1712.4MHz)	
RMC	12.2kbps RMC	22.73	22.77	22.81	23.5
HSUPA	Sub - Test 1	20.88	20.92	20.95	21.5
	Sub - Test 2	20.94	21.03	21.09	21.5
	Sub - Test 3	20.72	20.77	20.79	21.5
	Sub - Test 4	19.35	19.45	19.51	20.5
	Sub - Test 5	21.53	21.65	21.68	22.5
HSDPA	Sub - Test 1	21.57	21.66	21.76	22.5
	Sub - Test 2	21.59	21.69	21.75	22.5
	Sub - Test 3	21.14	21.22	21.26	22.0
	Sub - Test 4	21.21	21.25	21.28	22.0
HSPA+	16QAM	21.40	21.46	21.50	22.0

Ant.0 - WCDMA Band 4 Power Level B1

WCDMA Band 4		Conducted Power (dBm)			Tune up (dBm)
		Ch. 1513 (1752.6MHz)	Ch. 1413 (1732.6MHz)	Ch. 1312 (1712.4MHz)	
RMC	12.2kbps RMC	20.82	20.74	20.97	21.5
HSUPA	Sub - Test 1	18.87	18.89	18.98	19.5
	Sub - Test 2	18.91	19.04	19.07	19.5
	Sub - Test 3	18.73	18.78	18.83	19.5
	Sub - Test 4	17.35	17.48	17.54	18.5
	Sub - Test 5	19.49	19.68	19.66	20.5
HSDPA	Sub - Test 1	19.57	19.67	19.76	20.5
	Sub - Test 2	19.57	19.71	19.72	20.5
	Sub - Test 3	19.14	19.21	19.30	20.0
	Sub - Test 4	19.21	19.25	19.26	20.0
HSPA+	16QAM	19.37	19.47	19.49	20.0

Ant.0 - WCDMA Band 5 Power Level A1/B1

WCDMA Band 5		Conducted Power (dBm)			Tune up (dBm)
		Ch. 4233 (846.6MHz)	Ch. 4183 (836.6MHz)	Ch. 4132 (826.4MHz)	
RMC	12.2kbps RMC	22.86	22.97	22.92	24.0
HSUPA	Sub - Test 1	21.02	21.10	21.05	22.0
	Sub - Test 2	21.08	21.16	21.11	22.0
	Sub - Test 3	20.75	20.88	20.84	22.0
	Sub - Test 4	19.62	19.77	19.74	20.5
	Sub - Test 5	21.92	22.05	22.00	23.0
HSDPA	Sub - Test 1	21.88	22.01	21.97	23.0
	Sub - Test 2	21.96	22.03	22.02	23.0
	Sub - Test 3	21.38	21.47	21.44	22.5
	Sub - Test 4	21.40	21.51	21.46	22.5
HSPA+	16QAM	21.45	21.56	21.53	22.5

10.2. LTE Measurement result

According to April 2015 TCB workshop, SAR Test exclusion can be applied for testing overlapping LTE Bands as follows:

- a) The maximum out power, including tolerance, for the smaller band must be $\leq$ the larger band to qualify for SAR test exclusion.
- b) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.

LTE Band 2 (1850-1910MHz) is covered by LTE Band 25 (1850-1915MHz)

LTE Band 4 (1710-1755MHz) is covered by LTE Band 66 (1710-1780MHz)

LTE Band 5 (824-849MHz) is covered by LTE Band 26 (818-849MHz)

LTE Band 42 (3550-3600MHz)/LTE Band 43 (3600-3700MHz) is covered by LTE Band 48 (3550-3700MHz)

Table 10.2: The conducted Power for LTE
Ant.1 - LTE Band 2 Power Level A2

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up				
1.4MHz	1RB-High (5)	1909.3	22.96	21.93	20.92	17.94	23.5	22.5	21.5	18.5				
		1880.0	23.05	22.10	21.17	18.07								
		1850.7	23.17	22.19	21.32	18.13								
	1RB-Middle (3)	1909.3	22.95	22.07	21.07	17.99								
		1880.0	23.11	22.18	21.19	18.15								
		1850.7	23.21	22.15	21.31	18.22								
	1RB-Low (0)	1909.3	23.00	21.90	20.76	17.99								
		1880.0	23.09	22.15	21.19	18.06								
		1850.7	23.07	22.15	21.17	18.09								
	3RB-High (3)	1909.3	22.02	21.09	20.05	17.99								
		1880.0	22.12	21.12	20.22	18.17								
		1850.7	22.24	21.29	20.19	18.21								
	3RB-Middle (1)	1909.3	22.00	21.08	20.06	18.03								
		1880.0	22.19	21.12	20.03	18.15								
		1850.7	22.19	21.22	20.15	18.26								
	3RB-Low (0)	1909.3	21.98	20.97	19.97	17.99								
		1880.0	22.22	21.16	20.14	18.15								
		1850.7	22.24	21.24	20.29	18.20								
	6RB (0)	1909.3	22.02	21.13	20.22	18.01					22.5	21.5	20.5	18.5
		1880.0	22.06	21.17	20.25	18.14								
		1850.7	22.14	21.11	20.16	18.08								
3MHz	1RB-High (14)	1908.5	22.90	21.97	20.96	18.00	23.5	22.5	21.5	18.5				
		1880.0	22.99	22.09	21.14	18.02								
		1851.5	23.19	22.18	21.35	18.17								
	1RB-Middle (7)	1908.5	23.00	22.09	21.10	17.99								
		1880.0	23.12	22.19	21.22	18.11								
		1851.5	23.20	22.18	21.35	18.16								
	1RB-Low (0)	1908.5	22.98	21.86	20.82	17.99								
		1880.0	23.03	22.14	21.15	18.06								
		1851.5	23.05	22.12	21.15	18.03								
	8RB-High (7)	1908.5	21.95	21.07	20.02	17.96								
		1880.0	22.12	21.15	20.20	18.13								
		1851.5	22.22	21.31	20.19	18.23								
	8RB-Middle (4)	1908.5	22.03	21.10	20.06	18.06					22.5	21.5	20.8	18.5
		1880.0	22.12	21.05	20.02	18.20								
		1851.5	22.18	21.20	20.19	18.22								
	8RB-Low (0)	1908.5	21.99	20.95	20.05	18.02								
		1880.0	22.15	21.14	20.20	18.18								
		1851.5	22.29	21.27	20.29	18.24								
	15RB (0)	1908.5	22.05	21.11	20.17	18.00								
		1880.0	22.07	21.17	20.26	18.16								
		1851.5	22.09	21.17	20.09	18.15								
5MHz	1RB-High (24)	1907.5	22.99	21.94	20.93	17.96	23.5	22.5	21.5	18.5				
		1880.0	23.04	22.06	21.18	18.01								
		1852.5	23.17	22.24	21.30	18.14								
	1RB-Middle (12)	1907.5	22.96	22.05	21.06	17.99								
		1880.0	23.17	22.17	21.22	18.13								
		1852.5	23.18	22.12	21.30	18.22								
	1RB-Low (0)	1907.5	22.95	21.88	20.81	17.99								
		1880.0	23.11	22.14	21.22	18.06								
		1852.5	23.04	22.16	21.15	18.08								
	12RB-High (13)	1907.5	22.01	21.06	19.99	17.96					22.5	21.5	20.8	18.5
		1880.0	22.14	21.15	20.23	18.11								
		1852.5	22.21	21.26	20.17	18.27								
	12RB-Middle (6)	1907.5	22.04	21.10	20.08	18.06								
		1880.0	22.15	21.08	19.96	18.14								
		1852.5	22.24	21.24	20.20	18.25								
	12RB-Low (0)	1907.5	21.95	20.97	20.03	17.99								
		1880.0	22.20	21.15	20.15	18.17								
		1852.5	22.28	21.31	20.31	18.20								
	25RB (0)	1907.5	22.03	21.10	20.22	18.03								
		1880.0	22.06	21.16	20.24	18.12								
		1852.5	22.11	21.15	20.12	18.13								
10MHz	1RB-High (49)	1905.0	23.02	21.95	20.99	18.01	23.5	22.5	21.5	18.5				
		1880.0	22.99	22.10	21.11	18.06								
		1855.0	23.13	22.22	21.31	18.12								
	1RB-Middle (24)	1905.0	22.99	22.06	21.10	17.99								
		1880.0	23.16	22.21	21.17	18.15								
		1855.0	23.21	22.16	21.34	18.20								
	1RB-Low (0)	1905.0	22.97	21.88	20.79	17.99								
		1880.0	23.04	22.15	21.19	18.10								
		1855.0	23.10	22.13	21.13	18.07								
	25RB-High (25)	1905.0	22.01	21.09	20.05	18.00					22.5	21.5	20.8	18.5
		1880.0	22.13	21.10	20.21	18.15								
		1855.0	22.22	21.24	20.22	18.26								
	25RB-Middle (12)	1905.0	22.00	21.13	20.08	18.07								
		1880.0	22.14	21.11	20.01	18.18								
		1855.0	22.24	21.26	20.18	18.21								
	25RB-Low (0)	1905.0	21.99	20.97	20.02	18.03								
		1880.0	22.18	21.13	20.15	18.17								
		1855.0	22.24	21.30	20.33	18.25								
	50RB (0)	1905.0	22.00	21.13	20.17	18.04								
		1880.0	22.05	21.12	20.24	18.15								
		1855.0	22.09	21.12	20.12	18.18								
15MHz	1RB-High (74)	1902.5	22.99	21.96	20.96	17.95	23.5	22.5	21.5	18.5				
		1880.0	23.04	22.14	21.14	18.07								
		1857.5	23.15	22.20	21.30	18.10								
	1RB-Middle (37)	1902.5	22.96	22.09	21.11	18.02								
		1880.0	23.14	22.23	21.20	18.13								
		1857.5	23.20	22.18	21.32	18.17								
	1RB-Low (0)	1902.5	22.98	21.86	20.84	18.02								
		1880.0	23.06	22.10	21.18	18.08								
		1857.5	23.11	22.15	21.19	18.10								
	36RB-High (38)	1902.5	21.99	21.07	20.04	17.97					22.5	21.5	20.8	18.5
		1880.0	22.11	21.13	20.22	18.17								
		1857.5	22.22	21.29	20.22	18.22								
	36RB-Middle (19)	1902.5	22.01	21.11	20.04	18.04								
		1880.0	22.15	21.08	19.97	18.14								
		1857.5	22.21	21.23	20.20	18.22								
	36RB-Low (0)	1902.5	21.99	20.95	20.00	18.01								
		1880.0	22.19	21.11	20.20	18.18								
		1857.5	22.23	21.30	20.34	18.21								
	75RB (0)	1902.5	21.99	21.07	20.19	18.05								
		1880.0	22.10	21.16	20.20	18.17								
		1857.5	22.11	21.18	20.14	18.16								
20MHz	1RB-High (99)	1900.0	22.94	21.94	20.95	17.97	23.5	22.5	21.5	18.5				
		1880.0	23.02	22.10	21.14	18.05								
		1860.0	23.16	22.22	21.32	18.13								
	1RB-Middle (50)	1900.0	22.98	22.05	21.09	17.99								
		1880.0	23.13	22.20	21.19	18.13								
		1860.0	23.19	22.15	21.33	18.20								
	1RB-Low (0)	1900.0	22.96	21.89	20.80	18.00								
		1880.0	23.07	22.13	21.19	18.10								
		1860.0	23.08	22.13	21.16	18.06								
	50RB-High (50)	1900.0	21.98	21.07	20.02	17.97					22.5	21.5	20.8	18.5
		1880.0	22.11	21.13	20.21	18.15								
		1860.0	22.21	21.27	20.19	18.23								
	50RB-Middle (25)	1900.0	22.02	21.11	20.07	18.05								
		1880.0	22.15	21.09	20.00	18.17								
		1860.0	22.22	21.23	20.19	18.25								
	50RB-Low (0)	1900.0	21.98	20.94	20.01	18.00								
		1880.0	22.19	21.12	20.17	18.19								
		1860.0	22.26	21.28	20.32	18.22								
	100RB (0)	1900.0	22.02	21.11	20.19	18.04								
		1880.0	22.09	21.13	20.23	18.13								
		1860.0	22.13	21.14	20.14	18.07								



Ant.1 - LTE Band 2 Power Level B2

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up							
1.4MHz	1RB-High (5)	1909.3	14.93	14.85	14.89	14.99	15.5	15.5	15.5	15.5							
		1880.0	15.01	15.23	15.11	15.05											
		1850.7	15.19	15.17	15.23	15.06					1RB-Middle (3)	1909.3	15.02	15.07	15.09	14.97	
		1880.0	15.04	15.18	15.15	15.09						1850.7	15.23	15.07	15.29	15.20	
	1909.3	14.95	15.01	14.78	15.00	1RB-Low (0)						1880.0	15.12	15.27	15.17	15.12	
	1880.0	15.12	15.27	15.17	15.19							1850.7	14.99	15.17	15.19	15.06	
	1909.3	15.06	15.11	15.09	14.98						3RB-High (3)	1880.0	15.14	15.10	15.15	15.22	
	1880.0	15.14	15.10	15.15	15.22							1850.7	15.24	15.24	15.17	15.26	
	1909.3	15.03	15.11	14.98	15.02	3RB-Middle (1)						1880.0	15.11	15.05	15.04	15.21	
	1880.0	15.11	15.05	15.04	15.21							1850.7	15.12	15.32	15.11	15.25	
	1909.3	14.93	15.00	15.10	14.99						3RB-Low (0)	1880.0	15.12	15.06	15.07	15.19	
	1880.0	15.12	15.06	15.07	15.19							1850.7	15.28	15.32	15.29	15.26	
	1909.3	14.94	15.20	15.09	15.04	6RB (0)						1880.0	15.20	15.16	15.17	15.14	
	1880.0	15.20	15.16	15.17	15.14							1850.7	15.21	15.12	15.18	15.08	
	1908.5	14.84	14.85	14.88	14.95						3MHz	1RB-High (14)	1880.0	15.01	15.19	15.10	15.06
	1851.5	15.17	15.18	15.28	15.11								1RB-Middle (7)	1908.5	15.05	15.09	15.08
	1880.0	15.08	15.15	15.13	15.12	1850.7								15.26	15.06	15.33	15.21
	1908.5	14.89	14.96	14.73	15.06	1880.0								15.07	15.26	15.16	15.12
	1851.5	15.26	15.06	15.33	15.21	1RB-Low (0)						1880.0		15.13	15.16	15.08	15.05
	1908.5	14.96	14.98	14.73	15.06							1908.5	15.04	15.14	15.07	14.97	
	1880.0	15.07	15.26	15.16	15.12							8RB-High (7)	1880.0	15.11	15.15	15.13	15.19
	1851.5	14.97	15.10	15.18	15.05								1851.5	15.25	15.25	15.19	15.21
	1908.5	15.04	15.14	15.07	14.97	8RB-Middle (4)							1908.5	14.99	15.17	14.95	15.05
	1880.0	15.11	15.15	15.13	15.19								1880.0	15.05	15.03	15.03	15.20
1851.5	15.15	15.29	15.11	15.25	1851.5		15.15	15.29	15.11	15.25							
1820.4	14.94	14.96	15.10	15.02	8RB-Low (0)		1880.0	15.16	15.09	15.10		15.17					
1880.0	15.16	15.09	15.10	15.17		1851.5	15.26	15.37	15.30	15.22							
1851.5	15.26	15.37	15.30	15.22		1908.5	14.99	15.20	15.10	14.97							
1880.0	15.18	15.18	15.16	15.15		15RB (0)	1880.0	15.18	15.18	15.16		15.15					
1851.5	15.22	15.11	15.21	15.13	1851.5		15.22	15.11	15.21	15.13							
5MHz	1RB-High (24)	1907.5	14.80	14.83	14.85		14.96	15.5	15.5	15.5		15.5					
		1880.0	15.00	15.19	15.11		15.09										
		1852.5	15.24	15.14	15.28	15.12	1RB-Middle (12)						1907.5	15.03	15.11	15.08	14.96
		1880.0	15.03	15.11	15.08	14.96							1880.0	15.01	15.13	15.16	15.14
	1852.5	15.29	15.12	15.31	15.11	1852.5							15.29	15.12	15.31	15.11	
	1907.5	14.92	14.96	14.72	15.03	1RB-Low (0)							1880.0	15.14	15.20	15.13	15.11
	1880.0	15.14	15.20	15.13	15.11		1852.5						14.94	15.14	15.23	15.10	
	1852.5	15.10	15.10	15.05	15.03		12RB-High (13)						1907.5	15.10	15.10	15.05	15.03
	1880.0	15.15	15.10	15.13	15.15						1880.0		15.15	15.10	15.13	15.15	
	1852.5	15.24	15.27	15.18	15.24	12RB-Middle (6)					1907.5		15.01	15.12	15.00	15.00	
	1880.0	15.10	15.04	15.02	15.22						1880.0		15.10	15.04	15.02	15.22	
	1852.5	15.17	15.28	15.11	15.18		1852.5				15.17		15.28	15.11	15.18		
	1907.5	14.87	14.96	15.07	15.00		12RB-Low (0)				1880.0		15.12	15.06	15.10	15.20	
	1880.0	15.12	15.06	15.10	15.20	1852.5					15.26		15.30	15.30	15.20		
	1852.5	15.26	15.30	15.30	15.20	1907.5					14.95		15.20	15.08	14.98		
	1907.5	14.95	15.20	15.08	14.98	25RB (0)					1880.0		15.14	15.18	15.19	15.16	
	1880.0	15.14	15.18	15.19	15.16		1852.5				15.23		15.13	15.19	15.13		
	1852.5	15.23	15.13	15.19	15.13		10MHz				1RB-High (49)		1905.0	14.78	14.86	14.89	14.92
	1880.0	15.01	15.19	15.11	15.07								1RB-Middle (24)	1880.0	15.01	15.19	15.11
	1855.0	15.22	15.16	15.26	15.07	1905.0								15.03	15.04	15.08	14.94
	1905.0	15.03	15.04	15.08	14.94	1880.0								15.01	15.12	15.16	15.14
	1880.0	15.01	15.12	15.16	15.14	1RB-Low (0)					1855.0			15.28	15.09	15.24	15.11
	1855.0	15.29	15.12	15.31	15.11						1905.0		14.94	14.95	14.75	15.04	
	1907.5	14.92	14.96	14.72	15.03						1880.0		15.09	15.24	15.12	15.08	
1880.0	15.14	15.20	15.13	15.11	25RB-High (25)			1855.0	14.98	15.12	15.23	15.11					
1852.5	15.10	15.10	15.05	15.03		1905.0		15.06	15.13	15.04	14.97						
1880.0	15.12	15.11	15.18	15.19		1880.0		15.12	15.11	15.18	15.19						
1855.0	15.28	15.29	15.16	15.25		25RB-Middle (12)		1905.0	14.97	15.11	15.01	15.03					
1905.0	14.97	15.11	15.01	15.03	1880.0			15.10	15.02	15.04	15.17						
1880.0	15.10	15.02	15.04	15.17	1855.0			15.14	15.34	15.16	15.25						
1855.0	15.14	15.34	15.16	15.25	1905.0			14.90	14.93	15.10	14.98						
25RB-Low (0)	1880.0	15.17	15.07	15.08	15.22	50RB (0)		1880.0	15.17	15.07	15.08	15.22					
	1855.0	15.30	15.31	15.34	15.25			1855.0	15.30	15.31	15.34	15.25					
	1905.0	14.95	15.17	15.11	14.97			1905.0	14.95	15.17	15.11	14.97					
	1880.0	15.18	15.16	15.22	15.14			1880.0	15.18	15.16	15.22	15.14					
1855.0	15.21	15.07	15.24	15.07	15MHz	1RB-High (74)		1902.5	14.83	14.87	14.89	14.94					
1880.0	15.04	15.20	15.14	15.07				1RB-Middle (37)	1880.0	15.04	15.20	15.14	15.10				
1857.5	15.19	15.19	15.29	15.12					1902.5	15.19	15.19	15.29	15.12				
1902.5	15.00	15.05	15.08	14.97					1880.0	15.02	15.12	15.12	15.10				
1880.0	15.02	15.12	15.12	15.10		1857.5			15.25	15.13	15.25	15.10					
1RB-Low (0)	1902.5	14.90	14.98	14.74		15.01		36RB-High (38)	1902.5	15.08	15.14	15.05	15.02				
	1880.0	15.10	15.23	15.10		15.09	1880.0		15.09	15.13	15.18	15.20					
	1857.5	15.01	15.17	15.20		15.06	1857.5		15.25	15.28	15.21	15.25					
	1902.5	15.08	15.14	15.05		15.02	36RB-Middle (19)		1902.5	14.97	15.12	14.97	15.02				
1880.0	15.10	15.03	15.04	15.22		1880.0		15.10	15.03	15.04	15.22						
1857.5	15.10	15.29	15.16	15.23		1857.5		15.10	15.29	15.16	15.23						
1902.5	14.93	14.95	15.03	15.03		36RB-Low (0)		1902.5	15.11	15.06	15.05	15.22					
1880.0	15.11	15.06	15.05	15.22			1880.0	15.10	15.29	15.16	15.23						
1857.5	15.26	15.34	15.29	15.27			1857.5	15.26	15.34	15.29	15.27						
1902.5	14.94	15.22	15.12	15.04			75RB (0)	1880.0	15.15	15.18	15.15	15.15					
1880.0	15.15	15.18	15.16	15.15		1857.5		15.21	15.10	15.24	15.10						
1857.5	15.21	15.10	15.24	15.10		20MHz		1RB-High (99)	1900.0	14.89	14.84	14.87	14.95				
1880.0	15.03	15.20	15.13	15.05					1RB-Middle (50)	1880.0	15.03	15.20	15.13	15.05			
1960.0	15.21	15.15	15.29	15.10			1900.0			15.02	15.07	15.08	14.96				
1900.0	15.02	15.07	15.08	14.96			1880.0			15.05	15.15	15.14	15.11				
1880.0	15.11	15.05	15.14	15.11			1RB-Low (0)	1860.0		15.28	15.10	15.30	15.21				
1900.0	14.92	14.98	14.78	15.03				1900.0	15.07	15.10	15.05	15.00					
1880.0	15.12	15.13	15.15	15.18				50RB-High (50)	1880.0	15.12	15.13	15.15	15.18				
1960.0	15.25	15.27	15.19	15.23					1900.0	15.00	15.14	14.98	15.04				
1880.0	15.07	15.02	15.00	15.20	50RB-Middle (25)		1860.0		15.13	15.32	15.14	15.22					
1900.0	14.96	15.07	14.99	14.99			1880.0		15.14	15.08	15.08	15.20					
1860.0	15.28	15.33	15.31	15.23			50RB-Low (0)	1900.0	14.96	15.20	15.12	15.01					
1880.0	15.18	15.17	15.19	15.15				1860.0	15.01	15.11	15.20	15.00					
1900.0	14.96	15.20	15.12	15.01	100RB (0)			1880.0	15.18	15.17	15.19	15.15					
1860.0	15.01	15.11	15.20	15.00				1900.0	14.96	15.20	15.12	15.01					
1880.0	15.18	15.17	15.19	15.15			1860.0	15.01	15.11	15.20	15.00						
1900.0	14.96	15.20	15.12	15.01													

Ant.0 - LTE Band 7 Power Level A1/B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	2567.5	22.82	21.91	20.81	17.50	23.0	22.0	21.0	18.0
		2535.0	22.75	21.64	20.79	17.45				
		2502.5	22.67	21.84	20.83	17.40				
	1RB-Middle (12)	2567.5	22.86	21.99	20.77	17.59				
		2535.0	22.83	21.84	20.82	17.56				
		2502.5	22.75	21.77	20.76	17.43				
	1RB-Low (0)	2567.5	22.79	21.73	20.82	17.48				
		2535.0	22.69	21.86	20.72	17.37				
		2502.5	22.58	21.51	20.82	17.26				
	12RB-High (13)	2567.5	21.86	20.86	19.61	17.59	22.0	21.0	20.0	18.0
		2535.0	21.71	20.75	19.61	17.40				
		2502.5	21.72	20.69	19.66	17.38				
	12RB-Middle (6)	2567.5	21.87	20.91	19.64	17.57				
		2535.0	21.87	20.90	19.56	17.60				
		2502.5	21.71	20.67	19.69	17.37				
	12RB-Low (0)	2567.5	21.81	20.85	19.62	17.54				
		2535.0	21.80	20.78	19.65	17.46				
		2502.5	21.69	20.68	19.62	17.40				
	25RB (0)	2567.5	21.84	20.86	19.58	17.50				
		2535.0	21.81	20.79	19.53	17.54				
		2502.5	21.73	20.66	19.60	17.44				
10MHz	1RB-High (49)	2565.0	22.87	21.88	20.87	17.49	23.0	22.0	21.0	18.0
		2535.0	22.72	21.72	20.77	17.44				
		2505.0	22.72	21.80	20.88	17.40				
	1RB-Middle (24)	2565.0	22.80	21.71	20.78	17.57				
		2535.0	22.74	21.83	20.68	17.53				
		2505.0	22.66	21.98	20.79	17.45				
	1RB-Low (0)	2565.0	22.69	21.64	20.82	17.50				
		2535.0	22.68	21.67	20.83	17.35				
		2505.0	22.66	21.42	20.65	17.26				
	25RB-High (25)	2565.0	21.88	20.91	19.64	17.57	22.0	21.0	20.0	18.0
		2535.0	21.75	20.79	19.59	17.39				
		2505.0	21.68	20.68	19.59	17.42				
	25RB-Middle (12)	2565.0	21.87	20.91	19.61	17.58				
		2535.0	21.85	20.84	19.56	17.59				
		2505.0	21.72	20.71	19.61	17.45				
	25RB-Low (0)	2565.0	21.84	20.83	19.56	17.51				
		2535.0	21.79	20.80	19.65	17.48				
		2505.0	21.73	20.68	19.59	17.38				
	50RB (0)	2565.0	21.87	20.86	19.61	17.57				
		2535.0	21.85	20.83	19.56	17.50				
		2505.0	21.70	20.66	19.50	17.43				
15MHz	1RB-High (74)	2562.5	22.63	21.97	20.74	17.50	23.0	22.0	21.0	18.0
		2535.0	22.55	21.97	20.88	17.42				
		2507.5	22.50	21.83	20.90	17.41				
	1RB-Middle (37)	2562.5	22.63	21.97	20.58	17.56				
		2535.0	22.57	21.88	20.51	17.54				
		2507.5	22.46	21.81	20.70	17.47				
	1RB-Low (0)	2562.5	22.48	21.90	20.44	17.45				
		2535.0	22.45	21.91	20.55	17.38				
		2507.5	22.32	21.76	20.50	17.29				
	36RB-High (38)	2562.5	21.73	20.77	19.46	17.53	22.0	21.0	20.0	18.0
		2535.0	21.64	20.70	19.50	17.42				
		2507.5	21.58	20.62	19.48	17.44				
	36RB-Middle (19)	2562.5	21.72	20.70	19.53	17.53				
		2535.0	21.70	20.72	19.44	17.58				
		2507.5	21.65	20.63	19.51	17.44				
	36RB-Low (0)	2562.5	21.60	20.68	19.42	17.50				
		2535.0	21.63	20.66	19.48	17.52				
		2507.5	21.53	20.57	19.49	17.40				
	75RB (0)	2562.5	21.72	20.76	19.47	17.51				
		2535.0	21.67	20.72	19.46	17.49				
		2507.5	21.55	20.57	19.46	17.47				
20MHz	1RB-High (99)	2560.0	22.70	21.96	20.61	17.51	23.0	22.0	21.0	18.0
		2535.0	22.59	21.83	20.40	17.44				
		2510.0	22.54	21.89	20.73	17.34				
	1RB-Middle (50)	2560.0	22.61	21.88	20.72	17.59				
		2535.0	22.50	21.97	20.66	17.55				
		2510.0	22.39	21.87	20.75	17.42				
	1RB-Low (0)	2560.0	22.34	21.79	20.34	17.52				
		2535.0	22.42	21.99	20.42	17.37				
		2510.0	22.32	21.59	20.49	17.24				
	50RB-High (50)	2560.0	21.69	20.72	19.49	17.60	22.0	21.0	20.0	18.0
		2535.0	21.68	20.65	19.48	17.45				
		2510.0	21.62	20.66	19.48	17.43				
	50RB-Middle (25)	2560.0	21.72	20.72	19.50	17.57				
		2535.0	21.71	20.74	19.44	17.58				
		2510.0	21.69	20.66	19.47	17.39				
	50RB-Low (0)	2560.0	21.66	20.62	19.41	17.55				
		2535.0	21.66	20.61	19.43	17.48				
		2510.0	21.61	20.63	19.50	17.40				
	100RB (0)	2560.0	21.68	20.71	19.49	17.51				
		2535.0	21.69	20.72	19.42	17.53				
		2510.0	21.68	20.63	19.46	17.45				

Ant.0 - LTE Band 12 Power Level A1/B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
1.4MHz	1RB-High (5)	715.3	23.52	22.79	21.72	18.77	24.0	23.0	22.0	19.0
		707.5	23.62	22.90	21.79	18.72				
		699.7	23.64	22.82	21.87	18.59				
	1RB-Middle (3)	715.3	23.62	22.67	21.81	18.78				
		707.5	23.64	22.82	21.73	18.79				
		699.7	23.65	22.92	21.85	18.69				
	1RB-Low (0)	715.3	23.53	22.92	21.75	18.77				
		707.5	23.54	22.80	21.74	18.64				
		699.7	23.61	22.62	21.83	18.53				
	3RB-High (3)	715.3	23.58	22.65	21.68	18.81				
		707.5	23.60	22.71	21.79	18.66				
		699.7	23.67	22.68	21.76	18.72				
	3RB-Middle (1)	715.3	23.60	22.75	21.62	18.80				
		707.5	23.62	22.82	21.78	18.82				
		699.7	23.62	22.80	21.72	18.71				
	3RB-Low (0)	715.3	23.57	22.76	21.70	18.75				
		707.5	23.63	22.71	21.69	18.77				
		699.7	23.68	22.81	21.70	18.62				
	6RB (0)	715.3	22.68	21.65	20.62	18.80	23.0	22.0	21.0	19.0
		707.5	22.63	21.69	20.59	18.75				
		699.7	22.73	21.83	20.72	18.64				
3MHz	1RB-High (14)	714.5	23.58	22.89	21.74	18.80	24.0	23.0	22.0	19.0
		707.5	23.61	22.84	21.82	18.73				
		700.5	23.68	22.85	21.81	18.57				
	1RB-Middle (7)	714.5	23.69	22.77	21.91	18.77				
		707.5	23.70	22.88	21.91	18.83				
		700.5	23.71	23.00	21.87	18.67				
	1RB-Low (0)	714.5	23.57	22.64	21.75	18.79				
		707.5	23.59	22.81	21.80	18.68				
		700.5	23.59	22.71	21.85	18.52				
	8RB-High (7)	714.5	22.69	21.74	20.63	18.77	23.0	22.0	21.0	19.0
		707.5	22.74	21.85	20.69	18.71				
		700.5	22.77	21.82	20.75	18.67				
	8RB-Middle (4)	714.5	22.71	21.76	20.65	18.85				
		707.5	22.68	21.73	20.67	18.75				
		700.5	22.76	21.83	20.78	18.60				
	8RB-Low (0)	714.5	22.62	21.68	20.65	18.77				
		707.5	22.65	21.68	20.65	18.79				
		700.5	22.74	21.79	20.68	18.58				
	15RB (0)	714.5	22.66	21.60	20.66	18.83				
		707.5	22.66	21.63	20.58	18.76				
		700.5	22.75	21.82	20.69	18.61				
5MHz	1RB-High (24)	713.5	23.63	22.80	21.73	18.77	24.0	23.0	22.0	19.0
		707.5	23.65	22.72	21.86	18.74				
		701.5	23.64	22.90	21.71	18.59				
	1RB-Middle (12)	713.5	23.66	22.76	21.85	18.83				
		707.5	23.64	22.87	21.91	18.75				
		701.5	23.69	22.70	21.90	18.76				
	1RB-Low (0)	713.5	23.56	22.96	21.82	18.79				
		707.5	23.52	22.56	21.80	18.56				
		701.5	23.51	22.75	21.74	18.51				
	12RB-High (13)	713.5	22.73	21.74	20.64	18.80	23.0	22.0	21.0	19.0
		707.5	22.74	21.76	20.71	18.67				
		701.5	22.76	21.75	20.75	18.69				
	12RB-Middle (6)	713.5	22.68	21.71	20.68	18.78				
		707.5	22.72	21.78	20.69	18.83				
		701.5	22.77	21.79	20.69	18.70				
	12RB-Low (0)	713.5	22.64	21.65	20.60	18.74				
		707.5	22.66	21.73	20.64	18.76				
		701.5	22.77	21.77	20.71	18.67				
	25RB (0)	713.5	22.67	21.70	20.63	18.82				
		707.5	22.67	21.71	20.62	18.73				
		701.5	22.73	21.77	20.68	18.71				
10MHz	1RB-High (49)	711.0	23.74	22.93	21.81	18.71	24.0	23.0	22.0	19.0
		707.5	23.72	22.88	21.97	18.68				
		704.0	23.72	22.99	21.97	18.59				
	1RB-Middle (24)	711.0	23.73	22.93	21.99	18.79				
		707.5	23.71	23.00	21.97	18.78				
		704.0	23.72	23.00	21.88	18.73				
	1RB-Low (0)	711.0	23.62	22.93	21.93	18.74				
		707.5	23.71	22.84	21.83	18.64				
		704.0	23.64	22.86	21.80	18.51				
	25RB-High (25)	711.0	22.85	21.86	20.71	18.82	23.0	22.0	21.0	19.0
		707.5	22.83	21.78	20.71	18.69				
		704.0	22.86	21.86	20.74	18.66				
	25RB-Middle (12)	711.0	22.84	21.83	20.69	18.78				
		707.5	22.70	21.77	20.63	18.83				
		704.0	22.82	21.84	20.72	18.66				
	25RB-Low (0)	711.0	22.71	21.73	20.58	18.73				
		707.5	22.71	21.72	20.62	18.77				
		704.0	22.73	21.71	20.64	18.64				
	50RB (0)	711.0	22.81	21.79	20.63	18.78				
		707.5	22.71	21.72	20.64	18.73				
		704.0	22.83	21.80	20.73	18.71				

Ant.0 - LTE Band 13 Power Level A1/B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	784.5	23.71	22.85	21.96	18.73	24.0	23.0	22.0	19.0
		782.0	23.74	22.71	21.99	18.73				
		779.5	23.73	22.94	21.86	18.74				
	1RB-Middle (12)	784.5	23.84	22.92	21.89	18.84				
		782.0	23.78	22.97	21.93	18.79				
		779.5	23.79	22.95	21.96	18.82				
	1RB-Low (0)	784.5	23.70	22.96	21.88	18.71				
		782.0	23.70	22.90	21.90	18.74				
		779.5	23.70	22.83	21.98	18.69				
	12RB-High (13)	784.5	22.80	21.86	20.78	18.83	23.0	22.0	21.0	19.0
		782.0	22.85	21.90	20.76	18.87				
		779.5	22.84	21.82	20.76	18.82				
	12RB-Middle (6)	784.5	22.75	21.80	20.76	18.74				
		782.0	22.78	21.83	20.74	18.77				
		779.5	22.89	21.89	20.84	18.87				
	12RB-Low (0)	784.5	22.74	21.78	20.73	18.73				
		782.0	22.75	21.80	20.72	18.78				
		779.5	22.75	21.77	20.70	18.74				
	25RB (0)	784.5	22.72	21.77	20.69	18.71				
		782.0	22.75	21.77	20.67	18.72				
		779.5	22.89	21.88	20.78	18.91				
10MHz	1RB-High (49)	782.0	23.71	22.99	21.92	18.74	24.0	23.0	22.0	19.0
	1RB-Middle (24)	782.0	23.75	22.84	21.91	18.79				
	1RB-Low (0)	782.0	23.64	22.70	21.89	18.65				
	25RB-High (25)	782.0	22.82	21.80	20.77	18.82	23.0	22.0	21.0	19.0
	25RB-Middle (12)	782.0	22.83	21.84	20.74	18.86				
	25RB-Low (0)	782.0	22.77	21.83	20.70	18.74				
	50RB (0)	782.0	22.85	21.82	20.78	18.85				

Ant.0 - LTE Band 14 Power Level A1/B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	795.5	23.66	22.83	21.93	18.65	24.0	23.0	22.0	19.0
		793.0	23.68	22.73	21.87	18.67				
		790.5	23.66	22.91	21.96	18.64				
	1RB-Middle (12)	795.5	23.70	22.97	21.80	18.71				
		793.0	23.78	22.96	21.91	18.81				
		790.5	23.70	22.82	22.00	18.74				
	1RB-Low (0)	795.5	23.63	22.99	21.97	18.65				
		793.0	23.71	22.85	21.74	18.68				
		790.5	23.69	23.00	21.90	18.66				
	12RB-High (13)	795.5	22.74	21.82	20.70	18.78	23.0	22.0	21.0	19.0
		793.0	22.72	21.83	20.74	18.75				
		790.5	22.78	21.80	20.73	18.78				
	12RB-Middle (6)	795.5	22.68	21.70	20.71	18.70				
		793.0	22.70	21.78	20.72	18.68				
		790.5	22.81	21.82	20.82	18.77				
	12RB-Low (0)	795.5	22.70	21.69	20.63	18.71				
		793.0	22.71	21.71	20.68	18.68				
		790.5	22.77	21.76	20.78	18.74				
	25RB (0)	795.5	22.66	21.69	20.66	18.64				
		793.0	22.71	21.71	20.68	18.69				
		790.5	22.79	21.75	20.72	18.75				
10MHz	1RB-High (49)	793.0	23.63	22.95	21.91	18.63	24.0	23.0	22.0	19.0
	1RB-Middle (24)	793.0	23.77	22.94	21.92	18.80				
	1RB-Low (0)	793.0	23.72	22.93	21.89	18.69				
	25RB-High (25)	793.0	22.78	21.78	20.73	18.74	23.0	22.0	21.0	19.0
	25RB-Middle (12)	793.0	22.71	21.75	20.71	18.67				
	25RB-Low (0)	793.0	22.72	21.72	20.67	18.75				
	50RB (0)	793.0	22.71	21.71	20.70	18.74				



Ant.0 - LTE Band 25 Power Level A1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
1.4MHz	1RB-High (5)	1914.3	23.08	22.41	19.78	18.07	23.5	22.5	21.5	18.5
		1882.5	23.24	22.26	19.84	18.28				
		1850.7	23.26	22.24	19.80	18.28				
	1RB-Middle (3)	1914.3	23.25	22.43	19.82	18.29				
		1882.5	23.27	22.47	19.89	18.26				
		1850.7	23.27	22.45	19.86	18.29				
	1RB-Low (0)	1914.3	23.13	22.24	19.81	18.11				
		1882.5	23.22	22.43	19.85	18.21				
		1850.7	23.25	22.29	19.85	18.22				
	3RB-High (3)	1914.3	23.17	22.33	21.10	18.17				
		1882.5	23.32	22.31	21.22	18.28				
		1850.7	23.28	22.33	21.18	18.30				
	3RB-Middle (1)	1914.3	23.19	22.18	21.15	18.20				
		1882.5	23.33	22.38	21.32	18.33				
		1850.7	23.28	22.38	21.18	18.27				
	3RB-Low (0)	1914.3	23.19	22.22	21.07	18.15				
		1882.5	23.26	22.45	21.28	18.23				
		1850.7	23.30	22.39	21.15	18.30				
	6RB (0)	1914.3	22.23	21.20	20.48	18.20				
		1882.5	22.33	21.37	20.47	18.35				
		1850.7	22.31	21.33	20.37	18.35				
3MHz	1RB-High (14)	1913.5	23.16	22.23	20.00	18.16	23.5	22.5	21.5	18.5
		1882.5	23.29	22.34	21.18	18.28				
		1851.5	23.25	22.44	21.19	18.26				
	1RB-Middle (7)	1913.5	23.28	22.37	20.00	18.26				
		1882.5	23.35	22.28	21.26	18.32				
		1851.5	23.30	22.50	21.34	18.28				
	1RB-Low (0)	1913.5	23.17	22.16	20.01	18.13				
		1882.5	23.26	22.44	21.17	18.25				
		1851.5	23.25	22.50	21.20	18.26				
	8RB-High (7)	1913.5	22.21	21.31	20.03	18.19				
		1882.5	22.28	21.33	20.03	18.28				
		1851.5	22.37	21.47	20.13	18.34				
	8RB-Middle (4)	1913.5	22.28	21.35	20.01	18.31				
		1882.5	22.29	21.42	20.14	18.31				
		1851.5	22.39	21.39	20.20	18.40				
	8RB-Low (0)	1913.5	22.25	21.26	20.03	18.29				
		1882.5	22.33	21.39	20.07	18.37				
		1851.5	22.38	21.42	20.16	18.38				
	15RB (0)	1913.5	22.32	21.26	19.99	18.36				
		1882.5	22.32	21.30	20.03	18.31				
		1851.5	22.39	21.34	20.11	18.38				
5MHz	1RB-High (24)	1912.5	23.16	22.27	21.04	18.17	23.5	22.5	21.5	18.5
		1882.5	23.30	22.33	21.20	18.27				
		1852.5	23.35	22.49	21.22	18.33				
	1RB-Middle (12)	1912.5	23.29	22.35	21.10	18.28				
		1882.5	23.38	22.48	21.28	18.36				
		1852.5	23.41	22.45	21.32	18.39				
	1RB-Low (0)	1912.5	23.22	22.42	21.15	18.20				
		1882.5	23.28	22.44	21.23	18.30				
		1852.5	23.35	22.43	21.27	18.32				
	12RB-High (13)	1912.5	22.27	21.30	19.96	18.26				
		1882.5	22.34	21.37	20.03	18.34				
		1852.5	22.35	21.45	20.12	18.36				
	12RB-Middle (6)	1912.5	22.28	21.37	20.02	18.30				
		1882.5	22.36	21.41	20.04	18.33				
		1852.5	22.43	21.44	20.20	18.44				
	12RB-Low (0)	1912.5	22.25	21.29	19.93	18.26				
		1882.5	22.40	21.41	20.10	18.37				
		1852.5	22.41	21.41	20.13	18.44				
	25RB (0)	1912.5	22.29	21.31	19.98	18.28				
		1882.5	22.31	21.34	19.97	18.27				
		1852.5	22.35	21.40	20.12	18.39				
10MHz	1RB-High (49)	1910.0	23.26	22.27	21.13	18.28	23.5	22.5	21.5	18.5
		1882.5	23.32	22.36	21.10	18.30				
		1855.0	23.26	22.41	21.19	18.23				
	1RB-Middle (24)	1910.0	23.25	22.17	21.11	18.23				
		1882.5	23.43	22.44	21.32	18.45				
		1855.0	23.38	22.48	21.27	18.39				
	1RB-Low (0)	1910.0	23.22	22.41	21.09	18.19				
		1882.5	23.32	22.43	21.15	18.33				
		1855.0	23.32	22.47	21.27	18.34				
	25RB-High (25)	1910.0	22.34	21.31	19.97	18.36				
		1882.5	22.38	21.34	19.99	18.40				
		1855.0	22.35	21.34	20.03	18.35				
	25RB-Middle (12)	1910.0	22.33	21.34	20.00	18.32				
		1882.5	22.38	21.41	20.04	18.39				
		1855.0	22.44	21.43	20.06	18.40				
	25RB-Low (0)	1910.0	22.33	21.29	19.97	18.36				
		1882.5	22.44	21.39	20.06	18.44				
		1855.0	22.42	21.40	20.14	18.43				
	50RB (0)	1910.0	22.33	21.34	19.99	18.31				
		1882.5	22.35	21.36	19.97	18.39				
		1855.0	22.34	21.37	20.02	18.34				
15MHz	1RB-High (74)	1907.5	23.33	22.43	21.02	18.37	23.5	22.5	21.5	18.5
		1882.5	23.20	22.32	20.96	18.19				
		1857.5	23.19	22.22	21.14	18.20				
	1RB-Middle (37)	1907.5	23.38	22.18	21.02	18.34				
		1882.5	23.29	22.36	21.07	18.26				
		1857.5	23.26	22.23	21.03	18.25				
	1RB-Low (0)	1907.5	23.24	22.11	20.89	18.27				
		1882.5	23.20	22.29	21.21	18.21				
		1857.5	23.25	22.36	21.13	18.29				
	36RB-High (38)	1907.5	22.31	21.16	19.86	18.33				
		1882.5	22.26	21.25	19.86	18.29				
		1857.5	22.28	21.23	19.95	18.30				
	36RB-Middle (19)	1907.5	22.38	21.22	19.91	18.39				
		1882.5	22.31	21.25	19.92	18.29				
		1857.5	22.28	21.25	19.99	18.26				
	36RB-Low (0)	1907.5	22.38	21.25	19.86	18.38				
		1882.5	22.34	21.33	19.98	18.33				
		1857.5	22.38	21.36	20.04	18.37				
	75RB (0)	1907.5	22.30	21.23	19.91	18.34				
		1882.5	22.26	21.24	19.89	18.30				
		1857.5	22.25	21.27	19.94	18.25				
20MHz	1RB-High (99)	1905.0	22.82	22.19	20.58	18.09	23.5	22.5	21.5	18.5
		1882.5	22.90	22.12	20.74	18.13				
		1860.0	22.88	22.31	20.91	18.13				
	1RB-Middle (50)	1905.0	22.83	22.30	20.86	18.06				
		1882.5	22.95	22.32	20.86	18.16				
		1860.0	22.98	22.41	21.07	18.20				
	1RB-Low (0)	1905.0	22.88	22.28	20.84	18.14				
		1882.5	22.98	22.48	20.91	18.26				
		1860.0	23.02	22.23	20.89	18.26				
	50RB-High (50)	1905.0	21.91	20.92	19.67	18.14				
		1882.5	22.00	21.04	19.78	18.22				
		1860.0	22.01	20.98	19.79	18.29				
	50RB-Middle (25)	1905.0	22.06	21.06	19.81	18.30				
		1882.5	22.03	21.06	19.78	18.26				
		1860.0	22.11	21.11	19.91	18.36				
	50RB-Low (0)	1905.0	22.07	21.04	19.73	18.28				
		1882.5	22.12	21.11	19.87	18.41				
		1860.0	22.11	21.13	19.88	18.38				
	100RB (0)	1905.0	22.01	21.08	19.79	18.25				
		1882.5	22.01	21.04	19.79	18.29				
		1860.0	22.10	21.12	19.87	18.37				



Ant.0 - LTE Band 25 Power Level B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
1.4MHz	1RB-High (5)	1914.3	19.80	20.14	20.06	18.11	20.5	20.5	20.5	18.5
		1882.5	19.83	20.10	20.04	18.28				
		1850.7	20.00	20.36	20.18	18.25				
	1RB-Middle (3)	1914.3	19.74	20.08	19.83	18.25				
		1882.5	19.98	20.09	19.96	18.22				
		1850.7	19.85	20.27	20.23	18.26				
	1RB-Low (0)	1914.3	19.96	19.97	20.03	18.15				
		1882.5	19.89	20.40	20.03	18.24				
		1850.7	20.01	20.26	20.14	18.26				
	3RB-High (3)	1914.3	19.79	19.79	19.95	18.13				
		1882.5	19.89	19.90	19.96	18.26				
		1850.7	19.84	19.99	19.97	18.33				
	3RB-Middle (1)	1914.3	19.99	20.02	19.87	18.23				
		1882.5	19.89	19.82	19.98	18.29				
		1850.7	20.11	20.19	20.04	18.29				
	3RB-Low (0)	1914.3	19.98	19.99	19.97	18.13				
		1882.5	20.05	20.08	20.01	18.24				
		1850.7	20.06	20.16	20.06	18.31				
	6RB (0)	1914.3	19.92	19.86	19.86	18.19				
		1882.5	19.85	19.84	20.05	18.37				
		1850.7	19.95	20.09	20.13	18.36				
3MHz	1RB-High (14)	1913.5	19.84	20.16	20.12	18.14	20.5	20.5	20.5	18.5
		1882.5	19.75	20.01	20.10	18.26				
		1851.5	19.96	20.34	20.21	18.22				
	1RB-Middle (7)	1913.5	19.76	20.04	19.78	18.30				
		1882.5	19.96	20.06	19.92	18.32				
		1851.5	19.83	20.28	20.10	18.32				
	1RB-Low (0)	1913.5	19.77	19.98	19.90	18.16				
		1882.5	20.04	20.28	20.19	18.22				
		1851.5	20.03	20.26	20.16	18.23				
	8RB-High (7)	1913.5	19.91	19.87	19.84	18.20				
		1882.5	19.81	19.97	19.97	18.25				
		1851.5	20.02	20.03	19.96	18.34				
	8RB-Middle (4)	1913.5	19.89	19.90	19.83	18.29				
		1882.5	19.93	19.96	20.03	18.28				
		1851.5	19.95	20.17	20.13	18.39				
	8RB-Low (0)	1913.5	19.93	19.92	20.05	18.32				
		1882.5	20.00	19.99	20.05	18.36				
		1851.5	20.01	20.10	20.18	18.40				
	15RB (0)	1913.5	19.92	19.84	19.88	18.36				
		1882.5	19.97	19.92	19.97	18.32				
		1851.5	20.00	20.06	20.10	18.41				
5MHz	1RB-High (24)	1912.5	19.74	20.21	20.07	18.19	20.5	20.5	20.5	18.5
		1882.5	19.78	19.95	19.94	18.25				
		1852.5	19.81	20.25	20.26	18.36				
	1RB-Middle (12)	1912.5	19.84	20.04	19.81	18.25				
		1882.5	19.86	20.05	19.97	18.33				
		1852.5	19.79	20.38	20.18	18.43				
	1RB-Low (0)	1912.5	19.76	20.02	20.02	18.20				
		1882.5	19.95	20.22	20.19	18.30				
		1852.5	20.06	20.42	20.18	18.34				
	12RB-High (13)	1912.5	19.79	19.76	19.82	18.28				
		1882.5	19.96	19.83	19.96	18.34				
		1852.5	19.95	19.95	20.06	18.38				
	12RB-Middle (6)	1912.5	20.02	19.93	19.89	18.28				
		1882.5	19.97	19.89	19.91	18.29				
		1852.5	20.00	20.12	20.06	18.41				
	12RB-Low (0)	1912.5	19.89	19.85	20.01	18.26				
		1882.5	20.05	20.02	20.10	18.37				
		1852.5	19.99	20.10	20.12	18.43				
	25RB (0)	1912.5	19.89	20.02	20.03	18.31				
		1882.5	19.88	19.84	20.06	18.30				
		1852.5	20.09	20.10	19.99	18.39				
10MHz	1RB-High (49)	1910.0	19.79	20.16	19.99	18.24	20.5	20.5	20.5	18.5
		1882.5	19.82	20.13	20.04	18.31				
		1855.0	19.96	20.24	20.28	18.21				
	1RB-Middle (24)	1910.0	19.91	20.14	19.74	18.26				
		1882.5	20.02	20.05	20.09	18.46				
		1855.0	19.83	20.33	20.11	18.40				
	1RB-Low (0)	1910.0	19.96	20.10	19.89	18.22				
		1882.5	20.03	20.36	20.15	18.31				
		1855.0	19.90	20.35	20.07	18.33				
	25RB-High (25)	1910.0	19.89	19.80	19.83	18.39				
		1882.5	19.95	19.85	19.84	18.44				
		1855.0	19.99	19.84	20.02	18.32				
	25RB-Middle (12)	1910.0	19.84	20.02	19.93	18.31				
		1882.5	19.93	19.97	19.98	18.43				
		1855.0	20.09	20.19	19.94	18.40				
	25RB-Low (0)	1910.0	19.98	19.98	20.03	18.35				
		1882.5	20.16	19.95	19.94	18.42				
		1855.0	19.99	20.13	20.00	18.41				
	50RB (0)	1910.0	20.03	19.86	19.98	18.33				
		1882.5	20.01	19.98	19.90	18.39				
		1855.0	20.05	20.02	20.10	18.34				
15MHz	1RB-High (74)	1907.5	19.84	20.18	20.13	18.36	20.5	20.5	20.5	18.5
		1882.5	19.74	20.02	20.09	18.23				
		1857.5	19.97	20.37	20.18	18.20				
	1RB-Middle (37)	1907.5	19.76	20.08	19.83	18.35				
		1882.5	19.84	20.07	20.09	18.23				
		1857.5	19.92	20.21	20.14	18.21				
	1RB-Low (0)	1907.5	19.86	20.06	20.03	18.25				
		1882.5	20.05	20.22	20.22	18.24				
		1857.5	20.00	20.32	20.07	18.29				
	36RB-High (38)	1907.5	19.74	19.92	19.79	18.35				
		1882.5	19.95	19.97	19.98	18.29				
		1857.5	19.99	20.01	19.96	18.27				
	36RB-Middle (19)	1907.5	19.99	20.00	19.99	18.43				
		1882.5	19.89	19.95	20.02	18.28				
		1857.5	20.08	20.15	19.94	18.27				
	36RB-Low (0)	1907.5	19.88	20.02	19.95	18.37				
		1882.5	20.18	19.94	20.06	18.30				
		1857.5	20.00	20.05	20.06	18.37				
	75RB (0)	1907.5	19.97	19.89	19.97	18.36				
		1882.5	19.92	20.00	20.01	18.32				
		1857.5	19.91	20.10	20.08	18.27				
20MHz	1RB-High (99)	1905.0	19.83	20.12	20.09	18.08	20.5	20.5	20.5	18.5
		1882.5	19.78	20.05	20.00	18.10				
		1860.0	19.90	20.27	20.26	18.17				
	1RB-Middle (50)	1905.0	19.82	20.09	19.79	18.03				
		1882.5	19.93	20.09	19.99	18.19				
		1860.0	19.87	20.30	20.13	18.24				
	1RB-Low (0)	1905.0	19.86	20.02	19.95	18.15				
		1882.5	19.95	20.30	20.13	18.24				
		1860.0	19.96	20.33	20.17	18.26				
	50RB-High (50)	1905.0	19.84	19.86	19.86	18.11				
		1882.5	19.90	19.88	19.92	18.21				
		1905.0	19.86	19.94	19.98	18.29				
	50RB-Middle (25)	1905.0	19.92	19.95	19.92	18.29				
		1882.5	19.91	19.92	19.94	18.26				
		1860.0	20.05	20.10	20.03	18.34				
	50RB-Low (0)	1905.0	19.92	19.93	20.00	18.27				
		1882.5	20.08	19.99	20.03	18.42				
		1860.0	20.07	20.06	20.10	18.36				
	100RB (0)	1905.0	19.97	19.92	19.94	18.24				
		1882.5	19.93	19.94	19.97	18.31				
		1860.0	20.01	20.02	20.07	18.40				



Ant.0 - LTE Band 26 Power Level A1/B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up
1.4MHz	1RB-High (5)	848.3	23.69	22.94	21.97	24.0	23.0	22.0
		831.5	23.65	22.93	21.77			
		814.7	23.69	22.88	21.89			
	1RB-Middle (3)	848.3	23.79	22.92	21.86			
		831.5	23.73	22.96	21.86			
		814.7	23.68	22.94	21.87			
	1RB-Low (0)	848.3	23.69	22.79	21.88			
		831.5	23.71	22.98	21.80			
		814.7	23.63	22.94	21.88			
	3RB-High (3)	848.3	23.75	22.82	21.77			
		831.5	23.73	22.77	21.68			
		814.7	23.69	22.75	21.77			
	3RB-Middle (1)	848.3	23.69	22.87	21.73			
		831.5	23.72	22.95	21.79			
		814.7	23.66	22.87	21.74			
	3RB-Low (0)	848.3	23.77	22.84	21.79			
		831.5	23.69	22.68	21.67			
		814.7	23.71	22.83	21.74			
	6RB (0)	848.3	22.74	21.85	20.67	23.0	22.0	21.0
		831.5	22.75	21.87	20.72			
		814.7	22.74	21.82	20.66			
3MHz	1RB-High (14)	847.5	22.78	22.98	21.82	24.0	23.0	22.0
		831.5	23.74	22.93	21.78			
		815.5	23.41	22.63	21.06			
	1RB-Middle (7)	847.5	22.80	22.91	21.97			
		831.5	23.87	22.91	21.96			
		815.5	23.43	22.72	21.14			
	1RB-Low (0)	847.5	22.83	22.92	21.70			
		831.5	23.70	22.75	21.71			
		815.5	23.41	22.64	21.13			
	8RB-High (7)	847.5	23.81	21.92	20.68	23.0	22.0	21.0
		831.5	22.82	21.86	20.72			
		815.5	22.45	21.48	20.02			
	8RB-Middle (4)	847.5	23.78	21.91	20.71			
		831.5	22.83	21.94	20.76			
		815.5	22.49	21.46	20.02			
	8RB-Low (0)	847.5	23.75	21.86	20.61			
		831.5	22.73	21.86	20.62			
		815.5	22.43	21.54	20.04			
	15RB (0)	847.5	22.76	21.89	20.65			
		831.5	22.79	21.77	20.64			
		815.5	22.48	21.54	19.95			
5MHz	1RB-High (24)	846.5	23.69	22.94	21.75	24.0	23.0	22.0
		831.5	23.78	22.94	21.91			
		816.5	23.67	22.92	21.84			
	1RB-Middle (12)	846.5	23.76	23.00	21.91			
		831.5	23.77	22.97	21.96			
		816.5	23.83	22.96	22.00			
	1RB-Low (0)	846.5	23.72	22.96	21.97			
		831.5	23.72	22.82	21.83			
		816.5	23.62	22.74	21.87			
	12RB-High (13)	846.5	22.79	21.79	20.77	23.0	22.0	21.0
		831.5	22.78	21.83	20.77			
		816.5	22.78	21.82	20.74			
	12RB-Middle (6)	846.5	22.82	21.84	20.79			
		831.5	22.73	21.77	20.71			
		816.5	22.84	21.82	20.80			
	12RB-Low (0)	846.5	22.69	21.73	20.75			
		831.5	22.72	21.73	20.73			
		816.5	22.72	21.74	20.66			
	25RB (0)	846.5	22.83	21.83	20.78			
		831.5	22.70	21.72	20.67			
		816.5	22.80	21.76	20.74			
10MHz	1RB-High (49)	844.0	23.68	22.20	21.96	24.0	23.0	22.0
		831.5	23.73	22.70	21.91			
		819.0	23.68	22.83	21.83			
	1RB-Middle (24)	844.0	23.76	22.89	21.92			
		831.5	23.81	22.77	21.92			
		819.0	23.73	22.77	21.91			
	1RB-Low (0)	844.0	23.70	22.74	21.86			
		831.5	23.70	22.73	21.87			
		819.0	23.67	22.83	21.85			
	25RB-High (25)	844.0	22.83	21.85	20.85	23.0	22.0	21.0
		831.5	22.81	21.85	20.79			
		819.0	22.80	21.81	20.78			
	25RB-Middle (12)	844.0	22.88	21.81	20.73			
		831.5	22.80	21.78	20.74			
		819.0	22.84	21.85	20.81			
	25RB-Low (0)	844.0	22.76	21.75	20.72			
		831.5	22.70	21.71	20.67			
		819.0	22.75	21.70	20.67			
	50RB (0)	844.0	22.83	21.82	20.76			
		831.5	22.72	21.77	20.71			
		819.0	22.84	21.82	20.74			
15MHz	1RB-High (74)	841.5	23.63	22.94	21.72	24.0	23.0	22.0
		831.5	23.64	22.90	21.97			
		822.5	23.65	22.95	21.78			
	1RB-Middle (37)	841.5	23.61	22.93	21.82			
		831.5	23.63	22.90	21.80			
		822.5	23.60	22.80	21.76			
	1RB-Low (0)	841.5	23.56	22.99	21.75			
		831.5	23.49	22.77	21.66			
		822.5	23.48	22.89	21.66			
	36RB-High (38)	841.5	22.73	21.69	20.74	23.0	22.0	21.0
		831.5	22.76	21.77	20.68			
		822.5	22.74	21.70	20.64			
	36RB-Middle (19)	841.5	22.71	21.69	20.60			
		831.5	22.62	21.64	20.54			
		822.5	22.72	21.73	20.65			
	36RB-Low (0)	841.5	22.61	21.64	20.57			
		831.5	22.63	21.65	20.57			
		822.5	22.63	21.59	20.55			
	75RB (0)	841.5	22.73	21.75	20.60			
		831.5	22.63	21.64	20.55			
		822.5	22.69	21.71	20.66			

Ant.0 - LTE Band 30 Power Level A1/B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	2312.5	22.92	22.33	21.08	18.04	23.5	22.5	21.5	18.5
		2310.0	22.90	22.23	21.12	18.03				
		2307.5	22.88	22.30	21.13	17.99				
	1RB-Middle (12)	2312.5	22.98	22.42	21.10	18.11				
		2310.0	22.94	22.33	21.14	18.05				
		2307.5	22.92	22.42	21.08	18.00				
	1RB-Low (0)	2312.5	22.85	22.34	21.06	17.92				
		2310.0	22.88	22.35	21.13	17.99				
		2307.5	22.86	22.31	21.09	17.97				
	12RB-High (13)	2312.5	21.93	20.92	19.85	18.04	22.5	21.5	20.5	18.5
		2310.0	21.91	20.95	19.86	17.99				
		2307.5	22.01	21.06	19.93	18.12				
	12RB-Middle (6)	2312.5	21.99	21.11	19.99	18.12				
		2310.0	21.94	20.95	19.89	18.06				
		2307.5	21.99	21.06	19.98	18.12				
	12RB-Low (0)	2312.5	21.95	21.01	19.95	18.04				
		2310.0	21.97	20.99	19.89	18.04				
		2307.5	21.97	20.93	19.91	18.05				
	25RB (0)	2312.5	22.03	21.05	19.88	18.15				
		2310.0	21.92	20.94	19.84	18.06				
		2307.5	22.00	21.02	19.89	18.12				
10MHz	1RB-High (49)	2310.0	23.13	22.39	20.97	18.10	23.5	22.5	21.5	18.5
	1RB-Middle (24)	2310.0	23.23	22.44	21.10	18.20				
	1RB-Low (0)	2310.0	23.16	22.44	20.99	18.14				
	25RB-High (25)	2310.0	22.22	21.24	19.81	18.18	22.5	21.5	20.5	18.5
	25RB-Middle (12)	2310.0	22.22	21.24	19.88	18.26				
	25RB-Low (0)	2310.0	22.26	21.24	19.79	18.23				
	50RB (0)	2310.0	22.24	21.22	19.82	18.25				



Ant.0 - LTE Band 66 Power Level A1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
1.4MHz	1RB-High (5)	1779.3	22.84	22.21	21.25	17.85	23.5	22.5	21.5	18.5
		1745.0	22.82	22.26	20.95	17.83				
		1710.7	22.83	22.16	21.45	17.80				
	1RB-Middle (3)	1779.3	22.87	22.28	21.44	17.88				
		1745.0	22.85	22.23	20.91	17.81				
		1710.7	22.87	22.11	21.49	17.85				
	1RB-Low (0)	1779.3	22.79	22.21	21.33	17.81				
		1745.0	22.80	22.11	21.47	17.79				
		1710.7	22.79	22.28	21.45	17.82				
	3RB-High (3)	1779.3	22.85	21.99	21.20	17.81				
		1745.0	22.82	22.03	21.37	17.82				
		1710.7	22.84	22.02	21.36	17.82				
	3RB-Middle (1)	1779.3	22.86	22.02	21.19	17.82				
		1745.0	22.85	22.01	21.39	17.88				
		1710.7	22.84	22.00	21.41	17.82				
	3RB-Low (0)	1779.3	22.83	22.07	21.25	17.83				
		1745.0	22.86	21.99	21.36	17.86				
		1710.7	22.84	21.99	21.41	17.86				
	6RB (0)	1779.3	21.90	20.93	20.16	17.90				
		1745.0	21.86	21.00	20.29	17.86				
		1710.7	21.85	20.97	20.38	17.87				
3MHz	1RB-High (14)	1778.5	22.62	22.05	21.29	17.59	23.5	22.5	21.5	18.5
		1745.0	22.70	22.13	21.36	17.66				
		1711.5	22.90	22.20	21.50	17.91				
	1RB-Middle (7)	1778.5	22.74	21.98	21.28	17.76				
		1745.0	22.81	22.11	21.45	17.81				
		1711.5	22.97	22.47	21.41	17.96				
	1RB-Low (0)	1778.5	22.64	22.06	21.32	17.65				
		1745.0	22.71	22.02	21.44	17.72				
		1711.5	22.89	22.20	21.50	17.91				
	8RB-High (7)	1778.5	21.74	20.81	20.20	17.75				
		1745.0	21.80	20.90	20.25	17.84				
		1711.5	21.96	21.08	20.45	17.97				
	8RB-Middle (4)	1778.5	21.75	20.79	20.22	17.74				
		1745.0	21.85	20.86	20.38	17.82				
		1711.5	22.00	21.09	20.41	17.98				
	8RB-Low (0)	1778.5	21.74	20.83	20.20	17.78				
		1745.0	21.79	20.89	20.39	17.77				
		1711.5	21.99	21.08	20.39	17.99				
	15RB (0)	1778.5	21.78	20.75	20.23	17.75				
		1745.0	21.87	20.85	20.22	17.89				
		1711.5	22.02	21.03	20.35	18.00				
5MHz	1RB-High (24)	1777.5	22.54	22.00	21.33	17.57	23.5	22.5	21.5	18.5
		1745.0	22.73	22.01	21.30	17.72				
		1712.5	22.92	22.31	21.49	17.89				
	1RB-Middle (12)	1777.5	22.72	22.12	21.37	17.74				
		1745.0	22.79	22.17	21.44	17.82				
		1712.5	22.98	22.33	21.46	18.01				
	1RB-Low (0)	1777.5	22.65	22.03	21.24	17.65				
		1745.0	22.74	22.17	21.41	17.74				
		1712.5	22.90	22.31	21.40	17.87				
	12RB-High (13)	1777.5	21.72	20.77	20.12	17.75				
		1745.0	21.79	20.84	20.26	17.77				
		1712.5	21.97	21.02	20.32	18.00				
	12RB-Middle (6)	1777.5	21.78	20.80	20.19	17.79				
		1745.0	21.82	20.90	20.35	17.78				
		1712.5	22.04	21.10	20.36	18.03				
	12RB-Low (0)	1777.5	21.75	20.77	20.21	17.72				
		1745.0	21.84	20.85	20.39	17.88				
		1712.5	21.99	21.04	20.41	18.03				
	25RB (0)	1777.5	21.73	20.74	20.17	17.70				
		1745.0	21.84	20.85	20.22	17.86				
		1712.5	22.01	21.02	20.33	18.01				
10MHz	1RB-High (49)	1775.0	22.82	22.21	21.28	17.79	23.5	22.5	21.5	18.5
		1745.0	22.79	22.02	21.41	17.79				
		1715.0	22.72	22.17	21.48	17.71				
	1RB-Middle (24)	1775.0	22.89	22.19	21.48	17.88				
		1745.0	22.83	22.28	21.45	17.86				
		1715.0	22.87	22.25	21.40	17.88				
	1RB-Low (0)	1775.0	22.81	22.13	21.34	17.78				
		1745.0	22.82	22.12	21.48	17.83				
		1715.0	22.84	22.10	21.41	17.87				
	25RB-High (25)	1775.0	21.97	20.93	20.18	17.98				
		1745.0	21.83	20.82	20.32	17.80				
		1715.0	21.87	20.88	20.36	17.86				
	25RB-Middle (12)	1775.0	21.99	20.97	20.27	17.98				
		1745.0	21.96	20.96	20.33	17.92				
		1715.0	21.92	20.96	20.46	17.92				
	25RB-Low (0)	1775.0	21.95	20.94	20.27	17.94				
		1745.0	21.97	20.94	20.37	17.98				
		1715.0	21.87	20.90	20.43	17.86				
	50RB (0)	1775.0	21.96	20.95	20.24	17.97				
		1745.0	21.86	20.83	20.31	17.83				
		1715.0	21.90	20.89	20.46	17.91				
15MHz	1RB-High (74)	1772.5	22.61	22.21	21.22	17.62	23.5	22.5	21.5	18.5
		1745.0	22.67	22.05	21.24	17.69				
		1717.5	22.56	22.07	21.33	17.52				
	1RB-Middle (37)	1772.5	22.68	21.91	21.18	17.65				
		1745.0	22.65	22.17	21.35	17.65				
		1717.5	22.64	21.91	21.38	17.65				
	1RB-Low (0)	1772.5	22.70	22.10	21.16	17.73				
		1745.0	22.73	22.03	21.45	17.77				
		1717.5	22.73	21.98	21.23	17.77				
	36RB-High (38)	1772.5	21.75	20.73	20.01	17.78				
		1745.0	21.71	20.69	20.14	17.68				
		1717.5	21.72	20.77	20.16	17.75				
	36RB-Middle (19)	1772.5	21.84	20.82	20.09	17.85				
		1745.0	21.73	20.73	20.13	17.75				
		1717.5	21.79	20.81	20.22	17.80				
	36RB-Low (0)	1772.5	21.80	20.83	20.09	17.78				
		1745.0	21.80	20.82	20.22	17.78				
		1717.5	21.78	20.80	20.29	17.81				
	75RB (0)	1772.5	21.84	20.80	20.08	17.80				
		1745.0	21.71	20.73	20.13	17.70				
		1717.5	21.76	20.79	20.18	17.75				
20MHz	1RB-High (99)	1770.0	22.61	21.99	21.27	17.63	23.5	22.5	21.5	18.5
		1745.0	22.73	21.95	21.43	17.73				
		1720.0	22.49	21.87	21.39	17.47				
	1RB-Middle (50)	1770.0	22.59	21.97	21.21	17.58				
		1720.0	22.62	21.99	21.31	17.65				
		1770.0	22.69	22.10	21.12	17.68				
	1RB-Low (0)	1770.0	22.76	22.04	21.37	17.78				
		1720.0	22.77	21.99	21.45	17.74				
		1770.0	21.85	20.84	20.04	17.86				
	50RB-High (50)	1745.0	21.68	20.72	20.16	17.70				
		1720.0	21.68	20.63	20.19	17.66				
		1770.0	21.88	20.87	20.11	17.90				
	50RB-Middle (25)	1745.0	21.72	20.74	20.11	17.72				
		1720.0	21.78	20.79	20.29	17.79				
		1770.0	21.89	20.84	20.08	17.82				
	50RB-Low (0)	1745.0	21.84	20.84	20.23	17.85				
		1720.0	21.78	20.80	20.27	17.79				
		1770.0	21.87	20.84	20.13	17.85				
	100RB (0)	1745.0	21.72	20.72	20.14	17.70				
		1720.0	21.72	20.72	20.14	17.70				
		1770.0	21.72	20.72	20.14	17.70				



Ant.0 - LTE Band 66 Power Level B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
1.4MHz	1RB-High (5)	1779.3	19.86	19.83	20.01	17.73	20.5	20.5	20.5	18.5
		1745.0	19.93	20.37	20.29	17.69				
		1710.7	20.22	20.41	20.16	17.67				
	1RB-Middle (3)	1779.3	19.91	20.31	20.39	17.75				
		1745.0	19.96	20.41	20.18	17.67				
		1710.7	20.17	20.31	20.35	17.75				
	1RB-Low (0)	1779.3	19.93	19.98	20.15	17.68				
		1745.0	20.00	20.19	20.46	17.64				
		1710.7	20.22	20.01	20.39	17.69				
	3RB-High (3)	1779.3	19.92	19.94	20.04	17.70				
		1745.0	20.14	20.15	20.07	17.72				
		1710.7	20.12	20.07	20.08	17.67				
	3RB-Middle (1)	1779.3	20.07	20.11	20.17	17.68				
		1745.0	20.22	20.15	20.14	17.80				
		1710.7	20.33	20.13	20.17	17.74				
	3RB-Low (0)	1779.3	19.95	20.03	20.09	17.75				
		1745.0	20.17	20.16	20.10	17.78				
		1710.7	20.14	20.29	20.21	17.79				
	6RB (0)	1779.3	20.09	20.13	20.13	17.81				
		1745.0	20.13	20.19	19.99	17.73				
		1710.7	20.32	20.32	20.20	17.78				
3MHz	1RB-High (14)	1778.5	19.96	20.00	20.16	17.49	20.5	20.5	20.5	18.5
		1745.0	19.95	20.37	20.33	17.54				
		1711.5	20.07	20.34	20.13	17.83				
	1RB-Middle (7)	1778.5	19.97	20.36	20.37	17.62				
		1745.0	20.05	20.37	20.21	17.70				
		1711.5	20.06	20.34	20.41	17.89				
	1RB-Low (0)	1778.5	19.92	20.03	20.09	17.57				
		1745.0	20.02	20.28	20.44	17.60				
		1711.5	20.20	20.13	20.41	17.79				
	8RB-High (7)	1778.5	19.91	20.09	19.98	17.66				
		1745.0	20.00	20.20	20.14	17.74				
		1711.5	20.20	20.18	20.08	17.86				
	8RB-Middle (4)	1778.5	20.10	20.01	20.11	17.60				
		1745.0	20.03	20.13	20.20	17.74				
		1711.5	20.21	20.15	20.36	17.85				
	8RB-Low (0)	1778.5	20.13	19.99	19.97	17.66				
		1745.0	20.26	20.24	20.21	17.66				
		1711.5	20.31	20.30	20.19	17.85				
	15RB (0)	1778.5	19.97	20.01	20.14	17.61				
		1745.0	20.09	20.20	20.04	17.76				
		1711.5	20.22	20.27	20.37	17.86				
5MHz	1RB-High (24)	1777.5	19.80	19.87	20.10	17.44	20.5	20.5	20.5	18.5
		1745.0	19.92	20.40	20.40	17.59				
		1712.5	20.20	20.37	20.30	17.77				
	1RB-Middle (12)	1777.5	19.85	20.35	20.41	17.61				
		1745.0	19.99	20.30	20.16	17.75				
		1712.5	20.18	20.34	20.46	17.92				
	1RB-Low (0)	1777.5	20.01	20.14	20.11	17.54				
		1745.0	20.11	20.26	20.42	17.60				
		1712.5	20.30	20.35	20.29	17.72				
	12RB-High (13)	1777.5	20.08	20.01	19.99	17.60				
		1745.0	20.13	20.19	20.13	17.70				
		1712.5	20.22	20.23	20.26	17.93				
	12RB-Middle (6)	1777.5	20.06	20.07	20.16	17.70				
		1745.0	20.05	20.21	20.16	17.69				
		1712.5	20.24	20.17	20.18	17.92				
	12RB-Low (0)	1777.5	19.94	19.99	20.09	17.64				
		1745.0	20.24	20.28	20.21	17.79				
		1712.5	20.13	20.23	20.16	17.89				
	25RB (0)	1777.5	20.15	20.12	20.02	17.60				
		1745.0	20.09	20.10	20.16	17.76				
		1712.5	20.31	20.20	20.34	17.90				
10MHz	1RB-High (49)	1775.0	19.87	19.99	20.03	17.67	20.5	20.5	20.5	18.5
		1745.0	19.92	20.45	20.33	17.69				
		1715.0	20.12	20.43	20.18	17.59				
	1RB-Middle (24)	1775.0	20.00	20.19	20.06	17.74				
		1745.0	20.01	20.32	20.21	17.78				
		1715.0	20.20	20.35	20.37	17.76				
	1RB-Low (0)	1775.0	20.03	20.13	20.11	17.66				
		1745.0	20.15	20.13	20.38	17.72				
		1715.0	20.22	20.50	20.27	17.78				
	25RB-High (25)	1775.0	19.88	19.89	20.06	17.87				
		1745.0	20.00	20.20	20.14	17.66				
		1715.0	20.17	20.20	20.26	17.74				
	25RB-Middle (12)	1775.0	19.96	20.04	20.05	17.85				
		1745.0	20.11	20.10	20.06	17.84				
		1715.0	20.29	20.15	20.23	17.84				
	25RB-Low (0)	1775.0	20.08	19.98	20.04	17.87				
		1745.0	20.19	20.20	20.30	17.89				
		1715.0	20.17	20.26	20.18	17.71				
	50RB (0)	1775.0	20.10	20.13	20.04	17.90				
		1745.0	20.12	20.16	20.09	17.73				
		1715.0	20.31	20.29	20.26	17.82				
15MHz	1RB-High (74)	1772.5	19.80	19.90	20.09	17.49	20.5	20.5	20.5	18.5
		1745.0	19.96	20.39	20.32	17.58				
		1717.5	20.22	20.33	20.19	17.40				
	1RB-Middle (37)	1772.5	19.94	20.25	20.36	17.56				
		1745.0	20.07	20.32	20.17	17.55				
		1717.5	20.07	20.38	20.32	17.53				
	1RB-Low (0)	1772.5	20.04	20.11	20.11	17.64				
		1745.0	20.01	20.30	20.50	17.62				
		1717.5	20.11	20.48	20.33	17.64				
	36RB-High (38)	1772.5	20.05	19.92	20.07	17.69				
		1745.0	20.01	20.12	20.16	17.57				
		1717.5	20.03	20.10	20.18	17.63				
	36RB-Middle (19)	1772.5	20.14	20.02	20.22	17.77				
		1745.0	20.07	20.18	20.06	17.62				
		1717.5	20.29	20.27	20.17	17.65				
	36RB-Low (0)	1772.5	20.09	19.97	19.99	17.66				
		1745.0	20.15	20.13	20.21	17.67				
		1717.5	20.12	20.34	20.30	17.73				
	75RB (0)	1772.5	19.99	19.95	20.13	17.66				
		1745.0	20.19	20.19	20.12	17.58				
		1717.5	20.31	20.18	20.20	17.63				
20MHz	1RB-High (99)	1770.0	19.86	19.93	20.09	17.52	20.5	20.5	20.5	18.5
		1745.0	20.01	20.46	20.30	17.59				
		1720.0	20.14	20.36	20.20	17.37				
	1RB-Middle (50)	1770.0	19.92	20.28	20.44	17.47				
		1745.0	20.04	20.39	20.21	17.46				
		1720.0	20.13	20.36	20.42	17.53				
	1RB-Low (0)	1770.0	19.97	20.08	20.07	17.59				
		1745.0	20.10	20.22	20.43	17.65				
		1720.0	20.21	20.47	20.37	17.63				
	50RB-High (50)	1770.0	19.98	19.99	19.98	17.72				
		1745.0	20.09	20.10	20.10	17.63				
		1720.0	20.12	20.17	20.16	17.57				
	50RB-Middle (25)	1770.0	20.05	20.07	20.13	17.75				
		1745.0	20.12	20.13	20.11	17.58				
		1720.0	20.25	20.23	20.27	17.71				
	50RB-Low (0)	1770.0	20.28	20.07	20.04	17.78				
		1745.0	20.22	20.18	20.20	17.74				
		1720.0	20.26	20.25	20.23	17.68				
	100RB (0)	1770.0	20.05	20.04	20.07	17.74				
		1745.0	20.09	20.13	20.09	17.59				
		1720.0	20.24	20.34	20.27	17.68				



Ant.1 - LTE Band 66 Power Level A2

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
1.4MHz	1RB-High (5)	1779.3	23.05	21.86	20.93	18.08	23.5	22.5	21.5	18.5
		1745.0	23.17	22.06	21.20	18.15				
		1710.7	23.00	21.93	20.86	18.03				
	1RB-Middle (3)	1779.3	23.05	21.89	20.90	18.03				
		1745.0	23.04	21.89	20.89	18.04				
		1710.7	22.99	21.84	20.86	17.99				
	1RB-Low (0)	1779.3	22.95	21.88	20.85	17.96				
		1745.0	23.01	21.86	20.81	17.97				
		1710.7	23.01	21.89	20.88	18.01				
	3RB-High (3)	1779.3	22.06	20.91	19.93	18.00				
		1745.0	22.04	20.88	19.92	18.01				
		1710.7	21.98	20.82	19.84	17.96				
	3RB-Middle (1)	1779.3	22.09	21.12	20.15	18.09				
		1745.0	22.01	20.94	19.93	17.97				
		1710.7	22.09	20.90	19.93	18.05				
	3RB-Low (0)	1779.3	22.05	20.93	19.90	18.03				
		1745.0	22.05	20.97	19.99	18.12				
		1710.7	22.03	20.92	19.90	18.02				
	6RB (0)	1779.3	22.09	21.00	19.96	18.11				
		1745.0	21.98	20.83	19.79	17.91				
		1710.7	22.06	20.93	19.94	17.99				
3MHz	1RB-High (14)	1778.5	23.03	21.87	20.94	18.04	23.5	22.5	21.5	18.5
		1745.0	23.06	22.01	21.22	18.15				
		1711.5	23.03	21.95	20.88	17.99				
	1RB-Middle (7)	1778.5	23.07	21.92	20.92	18.06				
		1745.0	23.03	21.85	20.89	18.03				
		1711.5	22.95	21.83	20.86	18.02				
	1RB-Low (0)	1778.5	22.95	21.85	20.85	18.02				
		1745.0	23.01	21.84	20.86	17.96				
		1711.5	23.01	21.91	20.90	18.04				
	8RB-High (7)	1778.5	22.05	20.96	19.95	18.05				
		1745.0	22.06	20.89	19.91	18.04				
		1711.5	21.98	20.86	19.92	17.93				
	8RB-Middle (4)	1778.5	22.14	21.13	20.14	18.06				
		1745.0	22.04	20.94	19.96	17.99				
		1711.5	22.07	20.97	19.91	18.05				
	8RB-Low (0)	1778.5	22.08	20.90	19.87	18.07				
		1745.0	22.06	20.94	19.98	18.14				
		1711.5	22.05	20.91	19.92	17.98				
	15RB (0)	1778.5	22.11	21.00	19.89	18.09				
		1745.0	21.95	20.88	19.85	17.94				
		1711.5	22.04	20.95	19.90	18.05				
5MHz	1RB-High (24)	1777.5	23.08	21.93	20.94	18.08	23.5	22.5	21.5	18.5
		1745.0	23.12	22.03	21.23	18.13				
		1712.5	23.00	21.92	20.89	18.02				
	1RB-Middle (12)	1777.5	23.05	21.89	20.93	18.06				
		1745.0	23.05	21.85	20.82	18.01				
		1712.5	22.99	21.88	20.88	18.02				
	1RB-Low (0)	1777.5	22.96	21.82	20.83	17.99				
		1745.0	23.01	21.84	20.82	18.01				
		1712.5	23.03	21.87	20.87	18.00				
	12RB-High (13)	1777.5	22.08	20.91	19.94	18.01				
		1745.0	22.05	20.90	19.92	18.04				
		1712.5	22.01	20.85	19.80	17.98				
	12RB-Middle (6)	1777.5	22.09	21.18	20.18	18.05				
		1745.0	22.01	20.91	19.91	17.98				
		1712.5	22.03	20.96	19.93	18.05				
	12RB-Low (0)	1777.5	22.07	20.92	19.86	18.07				
		1745.0	22.08	20.92	19.93	18.07				
		1712.5	22.04	20.92	19.94	18.00				
	25RB (0)	1777.5	22.08	21.00	19.94	18.13				
		1745.0	21.97	20.82	19.83	17.93				
		1712.5	22.03	20.92	19.88	18.00				
10MHz	1RB-High (49)	1775.0	23.03	21.86	20.97	18.03	23.5	22.5	21.5	18.5
		1745.0	23.10	22.03	21.24	18.11				
		1715.0	23.05	21.94	20.89	18.00				
	1RB-Middle (24)	1775.0	23.05	21.95	20.93	18.04				
		1745.0	23.01	21.88	20.87	18.04				
		1715.0	22.96	21.86	20.89	17.97				
	1RB-Low (0)	1775.0	23.02	21.87	20.87	18.01				
		1745.0	22.98	21.84	20.82	17.96				
		1715.0	23.03	21.89	20.90	18.03				
	25RB-High (25)	1775.0	22.03	20.98	19.93	18.05				
		1745.0	22.07	20.93	19.93	18.06				
		1715.0	21.94	20.85	19.86	18.00				
	25RB-Middle (12)	1775.0	22.13	21.16	20.13	18.06				
		1745.0	22.03	20.95	19.96	18.01				
		1715.0	22.06	20.92	19.88	18.03				
	25RB-Low (0)	1775.0	22.03	20.90	19.89	18.04				
		1745.0	22.08	20.92	19.92	18.13				
		1715.0	22.04	20.91	19.88	18.03				
	50RB (0)	1775.0	22.06	20.95	19.92	18.14				
		1745.0	21.95	20.86	19.80	17.97				
		1715.0	22.03	20.91	19.87	18.00				
15MHz	1RB-High (74)	1772.5	23.06	21.91	20.93	18.07	23.5	22.5	21.5	18.5
		1745.0	23.11	22.00	21.23	18.18				
		1717.5	23.00	21.91	20.86	18.06				
	1RB-Middle (37)	1772.5	23.06	21.91	20.88	18.03				
		1745.0	23.05	21.91	20.82	18.05				
		1717.5	22.99	21.86	20.88	17.96				
	1RB-Low (0)	1772.5	23.00	21.85	20.87	17.97				
		1745.0	22.98	21.84	20.87	18.00				
		1717.5	23.03	21.91	20.90	17.99				
	36RB-High (38)	1772.5	22.06	20.94	19.91	18.01				
		1745.0	22.01	20.91	19.92	17.99				
		1717.5	22.00	20.86	19.84	17.92				
	36RB-Middle (19)	1772.5	22.11	21.19	20.19	18.07				
		1745.0	22.02	20.92	19.97	18.00				
		1717.5	22.09	20.94	19.94	17.99				
	36RB-Low (0)	1772.5	22.04	20.93	19.89	18.04				
		1745.0	22.05	20.94	19.95	18.06				
		1717.5	22.01	20.94	19.87	17.98				
	75RB (0)	1772.5	22.05	20.98	19.91	18.10				
		1745.0	21.95	20.85	19.81	17.94				
		1717.5	22.02	20.96	19.88	18.01				
20MHz	1RB-High (99)	1770.0	23.05	21.89	20.95	18.07	23.5	22.5	21.5	18.5
		1745.0	23.12	22.04	21.21	18.14				
		1720.0	23.03	21.93	20.88	18.03				
	1RB-Middle (50)	1770.0	23.03	21.92	20.91	18.06				
		1745.0	23.02	21.88	20.85	18.03				
		1720.0	22.99	21.86	20.88	17.99				
	1RB-Low (0)	1770.0	22.98	21.85	20.87	17.99				
		1745.0	22.99	21.84	20.85	17.97				
		1720.0	23.02	21.87	20.89	18.01				
	50RB-High (50)	1770.0	22.04	20.95	19.94	18.02				
		1745.0	22.03	20.89	19.94	18.03				
		1720.0	21.98	20.85	19.82	17.96				
	50RB-Middle (25)	1770.0	22.11	21.15	20.16	18.08				
		1745.0	22.03	20.93	19.90	18.00				
		1720.0	22.05	20.92	19.94	18.02				
	50RB-Low (0)	1770.0	22.06	20.91	19.90	18.04				
		1745.0	22.07	20.94	19.96	18.10				
		1720.0	22.02	20.93	19.91	18.00				
	100RB (0)	1770.0	22.08	20.98	19.93	18.12				
		1745.0	21.95	20.85	19.83	17.94				
		1720.0	22.04	20.94	19.92	18.02				



Ant.1 - LTE Band 66 Power Level B2

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up																				
1.4MHz	1RB-High (5)	1779.3	14.94	15.08	15.10	15.07	15.5	15.5	15.5	15.5																				
		1745.0	15.14	15.10	15.07	15.17																								
		1710.7	14.91	14.93	14.98	14.98																								
	1RB-Middle (3)	1779.3	15.11	15.10	15.17	15.10					15.5	15.5	15.5	15.5																
		1745.0	14.95	15.08	15.08	14.99																								
		1710.7	15.02	15.01	15.07	15.02																								
	1RB-Low (0)	1779.3	15.01	14.90	14.93	15.04									15.5	15.5	15.5	15.5												
		1745.0	15.05	15.04	14.96	14.92																								
		1710.7	15.04	14.95	15.04	15.00																								
	3RB-High (3)	1779.3	15.13	15.01	14.96	15.01													15.5	15.5	15.5	15.5								
		1745.0	15.19	15.23	15.11	15.07																								
		1710.7	14.96	14.97	15.11	14.97																								
	3RB-Middle (1)	1779.3	15.06	14.96	15.12	15.07																	15.5	15.5	15.5	15.5				
		1745.0	15.00	14.97	14.94	15.00																								
		1710.7	14.88	15.07	14.95	15.03																								
	3RB-Low (0)	1779.3	15.06	14.94	14.98	15.06																					15.5	15.5	15.5	15.5
		1745.0	14.90	15.07	15.01	15.14																								
		1710.7	14.91	14.91	15.01	15.01																								
	6RB (0)	1779.3	15.08	14.94	15.04	15.12	15.5	15.5	15.5	15.5																				
		1745.0	14.95	15.04	14.95	14.97																								
		1710.7	15.09	15.13	14.97	15.04																								
3MHz	1RB-High (14)	1778.5	15.04	15.07	15.15	15.03					15.5	15.5	15.5	15.5																
		1745.0	15.15	15.14	15.07	15.18																								
		1711.5	14.96	14.91	14.93	15.01																								
	1RB-Middle (7)	1778.5	15.10	15.10	15.10	15.12									15.5	15.5	15.5	15.5												
		1745.0	14.90	15.10	15.07	15.02																								
		1711.5	15.03	15.02	15.05	15.05																								
	1RB-Low (0)	1778.5	14.98	14.88	14.92	15.03													15.5	15.5	15.5	15.5								
		1745.0	15.03	15.07	14.93	14.94																								
		1711.5	14.98	14.94	14.99	14.98																								
	8RB-High (7)	1778.5	15.10	15.01	14.93	15.04																	15.5	15.5	15.5	15.5				
		1745.0	15.13	15.23	15.10	15.09																								
		1711.5	14.93	15.01	15.11	14.93																								
	8RB-Middle (4)	1778.5	15.07	14.94	15.05	15.06																					15.5	15.5	15.5	15.5
		1745.0	15.00	14.96	14.98	15.00																								
		1711.5	14.96	15.02	14.95	15.02																								
	8RB-Low (0)	1778.5	15.06	14.95	14.98	15.10	15.5	15.5	15.5	15.5																				
		1745.0	14.91	15.10	15.04	15.10																								
		1711.5	14.90	14.98	15.00	14.96																								
	15RB (0)	1778.5	15.01	14.89	15.03	15.14					15.5	15.5	15.5	15.5																
		1745.0	15.00	15.01	14.95	15.01																								
		1711.5	15.05	15.10	14.98	15.07																								
5MHz	1RB-High (24)	1777.5	15.08	15.08	15.18	15.06									15.5	15.5	15.5	15.5												
		1745.0	15.12	15.09	15.08	15.17																								
		1712.5	14.97	14.97	15.00	15.01																								
	1RB-Middle (12)	1777.5	15.09	15.13	15.13	15.08													15.5	15.5	15.5	15.5								
		1745.0	14.93	15.09	15.11	14.97																								
		1712.5	15.05	15.01	15.03	15.05																								
	1RB-Low (0)	1777.5	14.95	14.95	14.94	15.05																	15.5	15.5	15.5	15.5				
		1745.0	15.00	15.05	15.01	14.94																								
		1712.5	14.98	14.93	15.04	15.00																								
	12RB-High (13)	1777.5	15.11	15.04	14.95	15.06																					15.5	15.5	15.5	15.5
		1745.0	15.13	15.19	15.17	15.07																								
		1712.5	14.95	14.97	15.14	14.96																								
	12RB-Middle (6)	1777.5	15.06	14.93	15.08	15.08	15.5	15.5	15.5	15.5																				
		1745.0	15.02	15.01	14.93	14.99																								
		1712.5	14.89	15.05	14.98	15.04																								
	12RB-Low (0)	1777.5	15.04	14.92	14.96	15.05					15.5	15.5	15.5	15.5																
		1745.0	14.94	15.06	15.04	15.09																								
		1712.5	14.93	14.94	15.00	14.99																								
	25RB (0)	1777.5	15.07	14.95	15.04	15.15									15.5	15.5	15.5	15.5												
		1745.0	14.98	15.00	14.94	14.96																								
		1712.5	15.09	15.11	15.03	15.02																								
10MHz	1RB-High (49)	1775.0	15.02	15.01	15.14	15.04													15.5	15.5	15.5	15.5								
		1745.0	15.17	15.16	15.11	15.16																								
		1715.0	14.94	14.99	14.93	15.02																								
	1RB-Middle (24)	1775.0	15.06	15.11	15.10	15.06																	15.5	15.5	15.5	15.5				
		1745.0	14.94	15.09	15.12	14.99																								
		1715.0	15.03	15.03	15.09	15.02																								
	1RB-Low (0)	1775.0	14.95	14.89	14.93	15.03																					15.5	15.5	15.5	15.5
		1745.0	15.07	15.07	14.97	14.95																								
		1715.0	14.97	14.94	14.99	15.00																								
	25RB-High (25)	1775.0	15.13	15.04	14.98	15.06	15.5	15.5	15.5	15.5																				
		1745.0	15.14	15.25	15.13	15.03																								
		1715.0	14.93	14.97	15.09	14.92																								
	25RB-Middle (12)	1775.0	15.07	14.96	15.06	15.08					15.5	15.5	15.5	15.5																
		1745.0	14.99	15.03	14.96	15.02																								
		1715.0	14.92	15.03	14.93	15.04																								
	25RB-Low (0)	1775.0	15.05	14.91	14.94	15.10									15.5	15.5	15.5	15.5												
		1745.0	14.95	15.10	15.02	15.09																								
		1715.0	14.90	14.91	15.00	15.01																								
	50RB (0)	1775.0	15.07	14.91	15.02	15.14													15.5	15.5	15.5	15.5								
		1745.0	14.96	15.00	14.89	14.97																								
		1715.0	15.11	15.11	15.03	15.05																								
15MHz	1RB-High (74)	1772.5	15.07	15.08	15.14	15.05																	15.5	15.5	15.5	15.5				
		1745.0	15.11	15.13	15.08	15.15																								
		1717.5	14.97	14.92	14.96	15.04																								
	1RB-Middle (37)	1772.5	15.12	15.14	15.11	15.07																					15.5	15.5	15.5	15.5
		1745.0	14.95	15.12	15.11	15.03																								
		1717.5	14.98	15.00	15.02	15.02																								
	1RB-Low (0)	1772.5	14.98	14.94	14.96	15.01	15.5	15.5	15.5	15.5																				
		1745.0	15.03	15.03	14.96	14.94																								
		1717.5	15.01	14.94	15.02	14.98																								
	36RB-High (38)	1772.5	15.15	15.05	14.96	15.00					15.5	15.5	15.5	15.5																
		1745.0	15.13	15.25	15.12	15.06																								
		1717.5	14.95	14.96	15.08	14.94																								
	36RB-Middle (19)	1772.5	15.05	14.97	15.08	15.10									15.5	15.5	15.5	15.5												
		1745.0	15.07	15.00	14.96	14.99																								
		1717.5	14.93	15.05	14.97	15.07																								
	36RB-Low (0)	1772.5	15.10	14.95	15.00	15.08													15.5	15.5	15.5	15.5								
		1745.0	14.94	15.03	14.99	15.08																								
		1717.5	14.92	14.90	15.00	15.01																								
	75RB (0)	1772.5	15.09	14.94	15.01	15.11																	15.5	15.5	15.5	15.5				
		1745.0	14.94	15.01	14.95	14.99																								
		1717.5	15.08	15.07	14.99	15.09																								
20MHz	1RB-High (99)	1770.0	15.02	15.05	15.14	15.06																					15.5	15.5	15.5	15.5
		1745.0	15.13	15.12	15.10	15.16																								
		1720.0	14.94	14.95	14.96	15.00																								
	1RB-Middle (50)	1770.0	15.09	15.13	15.13	15.09	15.5	15.5	15.5	15.5																				
		1745.0	14.92	15.08	15.11	15.01																								
		1720.0	15.01	15.02	15.05	15.03																								
	1RB-Low (0)	1770.0	14.98	14.92	14.93	15.02					15.5	15.5	15.5	15.5																
		1745.0	15.04	15.05	14.97	14.95																								
		1720.0	15.01	14.96	15.00	14.99																								
	50RB-High (50)	1770.0	15.12	15.02	14.95	15.03									15.5	15.5	15.5	15.5												
		1745.0	15.15	15.22	15.13	15.05																								
		1720.0	14.96	15.00	15.10	14.93																								
	50RB-Middle (25)	1770.0	15.19	14.96	15.08	15.10													15.5	15.5	15.5	15.5								
		1745.0	15.03	14.99	14.94	15.03																								
		1720.0	14.92	15.03	14.95	15.03																								
	50RB-Low (0)	1770.0	15.07	14.93	14.97	15.08																	15.5	15.5	15.5	15.5				
		1745.0	14.93	15.07	15.01	15.10																								
		1720.0	14.93	14.94	15.03	14.99																								
	100RB (0)	1770.0	15.05	14.91	15.03	15.14																					15.5	15.5	15.5	15.5
		1745.0	14.97	15.02	14.92	14.98																								
		1720.0	15.09	15.01	15.00	15.05																								

Ant.0 - LTE Band 71 Power Level A1/B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	695.5	23.63	22.96	21.84	18.48	24.0	23.0	22.0	19.0
		680.5	23.58	23.00	21.85	18.46				
		665.5	23.55	22.94	21.91	18.46				
	1RB-Middle (12)	695.5	23.71	22.93	21.80	18.58				
		680.5	23.65	22.98	21.98	18.55				
		665.5	23.58	22.99	21.84	18.51				
	1RB-Low (0)	695.5	23.62	22.93	21.73	18.51				
		680.5	23.57	22.96	21.74	18.45				
		665.5	23.52	22.95	21.83	18.42				
	12RB-High (13)	695.5	22.73	21.77	20.69	18.60	23.0	22.0	21.0	19.0
		680.5	22.69	21.70	20.73	18.56				
		665.5	22.61	21.62	20.67	18.50				
	12RB-Middle (6)	695.5	22.73	21.77	20.73	18.58				
		680.5	22.72	21.73	20.68	18.61				
		665.5	22.64	21.69	20.71	18.55				
	12RB-Low (0)	695.5	22.65	21.69	20.63	18.56				
		680.5	22.62	21.63	20.63	18.51				
		665.5	22.52	21.56	20.61	18.45				
	25RB (0)	695.5	22.75	21.74	20.69	18.65				
		680.5	22.69	21.69	20.69	18.58				
		665.5	22.57	21.60	20.69	18.42				
10MHz	1RB-High (49)	693.0	23.55	22.72	21.74	18.47	24.0	23.0	22.0	19.0
		680.5	23.58	22.77	21.71	18.48				
		668.0	23.59	22.94	21.95	18.47				
	1RB-Middle (24)	693.0	23.56	22.86	21.87	18.44				
		680.5	23.62	22.97	21.91	18.52				
		668.0	23.64	22.89	21.94	18.52				
	1RB-Low (0)	693.0	23.54	22.88	21.81	18.39				
		680.5	23.56	22.85	21.86	18.41				
		668.0	23.60	22.93	21.89	18.48				
	25RB-High (25)	693.0	22.62	21.63	20.68	18.48	23.0	22.0	21.0	19.0
		680.5	22.63	21.65	20.72	18.51				
		668.0	22.67	21.69	20.68	18.53				
	25RB-Middle (12)	693.0	22.57	21.59	20.70	18.44				
		680.5	22.64	21.67	20.71	18.56				
		668.0	22.71	21.72	20.75	18.59				
	25RB-Low (0)	693.0	22.55	21.54	20.63	18.40				
		680.5	22.57	21.57	20.70	18.48				
		668.0	22.59	21.61	20.65	18.51				
	50RB (0)	693.0	22.53	21.51	20.71	18.43				
		680.5	22.64	21.62	20.65	18.53				
		668.0	22.67	21.67	20.72	18.52				
15MHz	1RB-High (74)	690.5	23.40	22.80	21.65	18.25	24.0	23.0	22.0	19.0
		680.5	23.42	22.90	21.58	18.31				
		670.5	23.47	22.82	21.72	18.36				
	1RB-Middle (37)	690.5	23.41	22.66	21.73	18.30				
		680.5	23.49	22.78	21.67	18.34				
		670.5	23.40	22.65	21.61	18.28				
	1RB-Low (0)	690.5	23.43	22.78	21.72	18.35				
		680.5	23.37	22.79	21.64	18.24				
		670.5	23.35	22.73	21.53	18.24				
	36RB-High (38)	690.5	22.50	21.50	20.54	18.40	23.0	22.0	21.0	19.0
		680.5	22.53	21.53	20.54	18.40				
		670.5	22.55	21.54	20.59	18.48				
	36RB-Middle (19)	690.5	22.42	21.44	20.58	18.29				
		680.5	22.50	21.51	20.49	18.42				
		670.5	22.54	21.53	20.57	18.42				
	36RB-Low (0)	690.5	22.45	21.42	20.49	18.36				
		680.5	22.41	21.40	20.51	18.26				
		670.5	22.44	21.46	20.50	18.37				
	75RB (0)	690.5	22.44	21.43	20.59	18.35				
		680.5	22.46	21.46	20.51	18.37				
		670.5	22.57	21.59	20.61	18.42				
20MHz	1RB-High (99)	688.0	23.46	22.84	21.72	18.35	24.0	23.0	22.0	19.0
		683.0	23.41	22.76	21.71	18.31				
		673.0	23.51	22.86	21.63	18.38				
	1RB-Middle (50)	688.0	23.46	22.85	21.59	18.38				
		683.0	23.43	22.71	21.79	18.35				
		673.0	23.52	22.78	21.92	18.41				
	1RB-Low (0)	688.0	23.41	22.63	21.52	18.26				
		683.0	23.36	22.58	21.74	18.26				
		673.0	23.41	22.68	21.58	18.33				
	50RB-High (50)	688.0	22.53	21.49	20.60	18.40	23.0	22.0	21.0	19.0
		683.0	22.54	21.56	20.58	18.45				
		673.0	22.61	21.58	20.66	18.47				
	50RB-Middle (25)	688.0	22.54	21.48	20.63	18.41				
		683.0	22.59	21.59	20.53	18.49				
		673.0	22.62	21.61	20.62	18.51				
	50RB-Low (0)	688.0	22.46	21.49	20.54	18.37				
		683.0	22.49	21.48	20.55	18.38				
		673.0	22.51	21.48	20.55	18.38				
	100RB (0)	688.0	22.46	21.46	20.61	18.32				
		683.0	22.48	21.47	20.56	18.40				
		673.0	22.61	21.58	20.64	18.54				

Ant.1 - LTE Band 38 Power Level A1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	2617.5	23.44	22.35	21.43	18.46	24.0	23.0	22.0	19.0
		2595.0	23.53	22.53	21.47	18.51				
		2572.5	23.67	22.69	21.39	18.69				
	1RB-Middle (12)	2617.5	23.55	22.52	21.73	18.57				
		2595.0	23.63	22.57	21.57	18.65				
		2572.5	23.72	22.68	21.47	18.72				
	1RB-Low (0)	2617.5	23.47	22.48	21.47	18.46				
		2595.0	23.55	22.53	21.54	18.57				
		2572.5	23.69	22.56	21.32	18.66				
	12RB-High (13)	2617.5	22.47	21.42	20.68	18.44	23.0	22.0	21.0	19.0
		2595.0	22.63	21.64	20.62	18.61				
		2572.5	22.71	21.66	20.61	18.73				
	12RB-Middle (6)	2617.5	22.57	21.48	20.66	18.53				
		2595.0	22.71	21.71	20.70	18.67				
		2572.5	22.84	21.82	20.57	18.84				
	12RB-Low (0)	2617.5	22.53	21.39	20.59	18.50				
		2595.0	22.66	21.65	20.57	18.70				
		2572.5	22.75	21.72	20.49	18.76				
	25RB (0)	2617.5	22.59	21.56	20.66	18.56				
		2595.0	22.74	21.68	20.72	18.77				
		2572.5	22.82	21.77	20.52	18.79				
10MHz	1RB-High (49)	2615.0	23.54	22.48	21.54	18.52	24.0	23.0	22.0	19.0
		2595.0	23.59	22.61	21.55	18.60				
		2575.0	23.66	22.68	21.49	18.62				
	1RB-Middle (24)	2615.0	23.56	22.57	21.54	18.53				
		2595.0	23.68	22.61	21.52	18.67				
		2575.0	23.73	22.69	21.47	18.70				
	1RB-Low (0)	2615.0	23.54	22.49	21.48	18.57				
		2595.0	23.61	22.85	21.45	18.59				
		2575.0	23.71	22.67	21.29	18.73				
	25RB-High (25)	2615.0	22.56	21.46	20.58	18.52	23.0	22.0	21.0	19.0
		2595.0	22.69	21.69	20.66	18.66				
		2575.0	22.77	21.70	20.54	18.76				
	25RB-Middle (12)	2615.0	22.64	21.63	20.63	18.67				
		2595.0	22.79	21.76	20.67	18.77				
		2575.0	22.85	21.84	20.55	18.82				
	25RB-Low (0)	2615.0	22.62	21.55	20.64	18.59				
		2595.0	22.72	21.69	20.64	18.75				
		2575.0	22.83	21.78	20.49	18.79				
	50RB (0)	2615.0	22.63	21.58	20.68	18.60				
		2595.0	22.78	21.72	20.68	18.75				
		2575.0	22.84	21.84	20.58	18.84				
15MHz	1RB-High (74)	2612.5	23.40	22.26	21.48	18.58	24.0	23.0	22.0	19.0
		2595.0	23.41	22.42	21.46	18.58				
		2577.5	23.53	22.45	21.35	18.74				
	1RB-Middle (37)	2612.5	23.40	22.30	21.44	18.58				
		2595.0	23.45	22.44	21.43	18.68				
		2577.5	23.56	22.41	21.25	18.78				
	1RB-Low (0)	2612.5	23.34	22.42	21.54	18.57				
		2595.0	23.43	22.44	21.48	18.59				
		2577.5	23.57	22.46	21.16	18.74				
	36RB-High (38)	2612.5	22.41	21.38	20.47	18.38	23.0	22.0	21.0	19.0
		2595.0	22.49	21.48	20.47	18.51				
		2577.5	22.56	21.55	20.46	18.52				
	36RB-Middle (19)	2612.5	22.50	21.41	20.55	18.50				
		2595.0	22.53	21.53	20.54	18.56				
		2577.5	22.53	21.51	20.43	18.56				
	36RB-Low (0)	2612.5	22.45	21.43	20.53	18.48				
		2595.0	22.52	21.50	20.48	18.55				
		2577.5	22.62	21.57	20.37	18.60				
	75RB (0)	2612.5	22.52	21.48	20.56	18.51				
		2595.0	22.57	21.58	20.55	18.54				
		2577.5	22.61	21.57	20.43	18.64				
20MHz	1RB-High (99)	2610.0	23.29	22.20	21.31	18.47	24.0	23.0	22.0	19.0
		2595.0	23.39	22.38	21.34	18.57				
		2580.0	23.41	22.52	21.39	18.63				
	1RB-Middle (50)	2610.0	23.47	22.35	21.49	18.68				
		2595.0	23.50	22.37	21.38	18.73				
		2580.0	23.52	22.63	21.30	18.73				
	1RB-Low (0)	2610.0	23.48	22.43	21.42	18.71				
		2595.0	23.52	22.30	21.29	18.74				
		2580.0	23.55	22.44	21.22	18.72				
	50RB-High (50)	2610.0	22.50	21.44	20.54	18.48	23.0	22.0	21.0	19.0
		2595.0	22.51	21.53	20.52	18.47				
		2580.0	22.61	21.59	20.52	18.57				
	50RB-Middle (25)	2610.0	22.56	21.51	20.56	18.55				
		2595.0	22.58	21.56	20.57	18.58				
		2580.0	22.59	21.56	20.47	18.62				
	50RB-Low (0)	2610.0	22.58	21.50	20.58	18.61				
		2595.0	22.59	21.52	20.50	18.59				
		2580.0	22.62	21.59	20.36	18.61				
	100RB (0)	2610.0	22.55	21.52	20.57	18.58				
		2595.0	22.60	21.57	20.54	18.63				
		2580.0	22.61	21.57	20.45	18.62				

Ant.1 - LTE Band 38 Power Level B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	2617.5	20.32	20.47	20.48	18.42	21.0	21.0	21.0	19.0
		2595.0	20.43	20.43	20.55	18.56				
		2572.5	20.27	20.44	20.46	18.65				
	1RB-Middle (12)	2617.5	20.46	20.27	20.38	18.57				
		2595.0	20.42	20.41	20.42	18.59				
		2572.5	20.32	20.34	20.31	18.72				
	1RB-Low (0)	2617.5	20.32	20.29	20.28	18.48				
		2595.0	20.31	20.41	20.20	18.58				
		2572.5	20.22	20.36	20.07	18.66				
	12RB-High (13)	2617.5	20.51	20.34	20.38	18.48	21.0	21.0	21.0	19.0
		2595.0	20.46	20.48	20.51	18.63				
		2572.5	20.35	20.39	20.37	18.71				
	12RB-Middle (6)	2617.5	20.39	20.58	20.39	18.59				
		2595.0	20.53	20.39	20.55	18.68				
		2572.5	20.32	20.35	20.40	18.83				
	12RB-Low (0)	2617.5	20.54	20.50	20.46	18.56				
		2595.0	20.54	20.32	20.44	18.68				
		2572.5	20.36	20.41	20.29	18.77				
	25RB (0)	2617.5	20.51	20.49	20.46	18.59				
		2595.0	20.36	20.41	20.42	18.73				
		2572.5	20.32	20.38	20.35	18.78				
10MHz	1RB-High (49)	2615.0	20.39	20.43	20.36	18.57	21.0	21.0	21.0	19.0
		2595.0	20.43	20.51	20.48	18.59				
		2575.0	20.34	20.46	20.28	18.69				
	1RB-Middle (24)	2615.0	20.46	20.34	20.43	18.58				
		2595.0	20.38	20.45	20.40	18.66				
		2575.0	20.20	20.40	20.36	18.70				
	1RB-Low (0)	2615.0	20.45	20.32	20.23	18.55				
		2595.0	20.25	20.37	20.29	18.61				
		2575.0	20.25	20.32	20.20	18.71				
	25RB-High (25)	2615.0	20.38	20.46	20.42	18.57	21.0	21.0	21.0	19.0
		2595.0	20.45	20.48	20.48	18.68				
		2575.0	20.46	20.43	20.35	18.74				
	25RB-Middle (12)	2615.0	20.52	20.57	20.57	18.67				
		2595.0	20.48	20.57	20.45	18.77				
		2575.0	20.44	20.30	20.44	18.84				
	25RB-Low (0)	2615.0	20.39	20.51	20.40	18.66				
		2595.0	20.53	20.42	20.53	18.72				
		2575.0	20.38	20.33	20.34	18.84				
	50RB (0)	2615.0	20.41	20.52	20.43	18.65				
		2595.0	20.48	20.56	20.41	18.78				
		2575.0	20.37	20.47	20.37	18.81				
15MHz	1RB-High (74)	2612.5	20.28	20.33	20.46	18.57	21.0	21.0	21.0	19.0
		2595.0	20.33	20.47	20.47	18.59				
		2577.5	20.25	20.38	20.32	18.75				
	1RB-Middle (37)	2612.5	20.40	20.32	20.42	18.57				
		2595.0	20.34	20.28	20.50	18.63				
		2577.5	20.24	20.25	20.37	18.76				
	1RB-Low (0)	2612.5	20.37	20.43	20.26	18.54				
		2595.0	20.37	20.32	20.31	18.65				
		2577.5	20.12	20.25	20.07	18.80				
	36RB-High (38)	2612.5	20.50	20.33	20.52	18.41	21.0	21.0	21.0	19.0
		2595.0	20.49	20.48	20.46	18.48				
		2577.5	20.39	20.36	20.40	18.54				
	36RB-Middle (19)	2612.5	20.46	20.52	20.39	18.48				
		2595.0	20.55	20.51	20.45	18.52				
		2577.5	20.34	20.31	20.46	18.53				
	36RB-Low (0)	2612.5	20.46	20.44	20.43	18.43				
		2595.0	20.34	20.32	20.51	18.52				
		2577.5	20.24	20.34	20.25	18.60				
	75RB (0)	2612.5	20.51	20.51	20.56	18.55				
		2595.0	20.40	20.48	20.39	18.59				
		2577.5	20.34	20.44	20.42	18.59				
20MHz	1RB-High (99)	2610.0	20.38	20.39	20.46	18.48	21.0	21.0	21.0	19.0
		2595.0	20.36	20.42	20.50	18.60				
		2580.0	20.32	20.38	20.36	18.61				
	1RB-Middle (50)	2610.0	20.38	20.30	20.47	18.66				
		2595.0	20.41	20.36	20.43	18.73				
		2580.0	20.24	20.34	20.31	18.74				
	1RB-Low (0)	2610.0	20.39	20.37	20.25	18.68				
		2595.0	20.42	20.41	20.29	18.70				
		2580.0	20.55	20.26	20.12	18.73				
	50RB-High (50)	2610.0	20.41	20.43	20.48	18.52	21.0	21.0	21.0	19.0
		2595.0	20.42	20.45	20.45	18.54				
		2580.0	20.42	20.42	20.45	18.60				
	50RB-Middle (25)	2610.0	20.48	20.50	20.48	18.52				
		2595.0	20.48	20.48	20.52	18.55				
		2580.0	20.36	20.37	20.38	18.59				
	50RB-Low (0)	2610.0	20.49	20.49	20.46	18.61				
		2595.0	20.49	20.42	20.43	18.55				
		2580.0	20.50	20.31	20.34	18.59				
	100RB (0)	2610.0	20.50	20.51	20.50	18.55				
		2595.0	20.46	20.46	20.45	18.61				
		2580.0	20.38	20.40	20.41	18.57				



Ant.1 - LTE Band 41 PC3 Power Level A1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	16QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	2687.5	23.04	22.00	20.92	17.94	23.5	22.5	21.5	18.5
		2640.3	23.07	22.01	21.07	17.96				
		2593.0	23.17	22.26	21.13	18.05				
		2545.8	23.09	22.13	20.49	18.00				
	1RB-Middle (12)	2498.5	23.07	22.17	20.26	17.94				
		2687.5	23.08	22.09	20.94	18.00				
		2640.3	23.35	22.09	21.18	17.95				
		2593.0	23.28	22.43	21.17	18.23				
	1RB-Low (0)	2545.8	23.08	22.02	20.62	18.02				
		2498.5	23.18	22.23	20.32	18.12				
2687.5		22.97	22.04	20.83	17.87					
2640.3		23.03	22.00	21.01	17.89					
10MHz	12RB-High (13)	2593.0	23.18	22.37	20.98	18.12	22.5	21.5	20.5	18.5
		2545.8	23.02	22.03	20.52	17.95				
		2498.5	23.14	22.16	20.33	18.01				
		2687.5	22.09	21.12	20.07	18.09				
	12RB-Middle (6)	2640.3	22.09	21.18	20.13	18.08				
		2593.0	22.25	21.16	20.12	18.29				
		2545.8	22.14	21.12	19.74	18.12				
		2498.5	22.17	21.08	19.30	18.18				
	12RB-Low (0)	2687.5	22.04	21.07	20.05	18.02				
		2640.3	22.10	21.08	20.38	18.10				
2593.0		22.33	21.37	20.20	18.29					
2545.8		22.13	21.12	19.84	18.15					
15MHz	25RB-High (25)	2498.5	22.20	21.20	19.42	18.23	22.5	21.5	20.5	18.5
		2687.5	22.01	21.04	19.98	17.98				
		2640.3	22.10	21.12	20.20	18.09				
		2593.0	22.31	21.24	20.13	18.33				
	25RB-Middle (12)	2545.8	22.07	21.15	19.69	18.09				
		2498.5	22.19	21.28	19.37	18.16				
		2687.5	22.00	21.00	20.02	17.98				
		2640.3	22.07	21.05	20.17	18.07				
	25RB-Low (0)	2593.0	22.32	21.34	20.18	18.32				
		2545.8	22.11	21.16	19.76	18.09				
2498.5		22.18	21.22	19.40	18.21					
2685.0		23.08	22.00	20.89	17.97					
20MHz	36RB-High (38)	2639.0	23.05	22.12	21.12	17.97	23.5	22.5	21.5	18.5
		2593.0	23.24	22.31	21.16	18.14				
		2547.0	23.13	22.14	20.73	17.99				
		2501.0	23.10	22.11	20.29	18.02				
	36RB-Middle (19)	2685.0	23.07	21.99	20.96	17.96				
		2639.0	23.10	22.16	21.08	18.01				
		2593.0	23.32	22.30	21.07	18.23				
		2547.0	23.15	22.29	20.66	18.07				
	36RB-Low (0)	2501.0	23.13	22.06	20.46	18.06				
		2685.0	23.01	22.01	20.88	17.94				
2639.0		22.98	22.06	21.03	17.98					
2593.0		23.22	22.26	21.05	18.09					
25MHz	50RB-High (50)	2547.0	23.01	22.12	20.62	17.91	22.5	21.5	20.5	18.5
		2501.0	23.12	22.20	20.24	17.99				
		2685.0	22.11	21.08	20.05	18.12				
		2639.0	22.08	21.11	20.19	18.08				
	50RB-Middle (25)	2593.0	22.28	21.29	20.13	18.31				
		2547.0	22.19	21.13	19.78	18.22				
		2501.0	22.15	21.15	19.45	18.16				
		2685.0	22.05	21.03	20.08	18.04				
	50RB-Low (0)	2639.0	22.12	21.11	20.24	18.12				
		2593.0	22.33	21.34	20.18	18.35				
2547.0		22.14	21.09	19.70	18.12					
2501.0		22.16	21.22	19.37	18.14					
30MHz	75RB-High (74)	2685.0	22.01	21.04	20.10	18.01	23.5	22.5	21.5	18.5
		2639.0	22.10	21.13	20.20	18.14				
		2593.0	22.36	21.36	20.19	18.35				
		2547.0	22.16	21.20	19.72	18.18				
	75RB-Middle (37)	2501.0	22.16	21.20	19.44	18.15				
		2682.5	22.93	21.99	20.86	17.83				
		2637.8	22.94	21.93	21.22	17.86				
		2593.0	23.16	22.14	21.12	18.02				
	75RB-Low (0)	2548.3	23.09	22.13	20.53	17.99				
		2503.5	22.87	21.85	20.23	17.77				
2682.5		22.94	21.88	20.91	17.85					
2637.8		22.93	21.81	20.84	17.80					
35MHz	90RB-High (89)	2593.0	23.13	22.09	20.96	18.02	23.5	22.5	21.5	18.5
		2548.3	23.02	21.94	20.54	17.88				
		2503.5	22.92	22.00	20.14	17.83				
		2637.8	22.88	21.96	20.95	17.74				
	90RB-Middle (45)	2593.0	23.15	22.14	20.93	18.07				
		2548.3	22.95	21.85	20.33	17.82				
		2503.5	23.06	22.07	20.15	17.96				
		2682.5	21.96	20.99	19.90	17.97				
	90RB-Low (0)	2637.8	21.97	20.93	20.07	17.96				
		2593.0	22.09	21.14	20.05	18.12				
2548.3		22.06	21.10	19.67	18.05					
2503.5		22.01	21.05	19.23	18.02					
40MHz	108RB-High (107)	2682.5	21.96	20.95	19.85	17.98	22.5	21.5	20.5	18.5
		2637.8	21.98	20.98	20.05	17.98				
		2593.0	22.15	21.21	20.01	18.13				
		2548.3	22.02	21.04	19.61	17.99				
	108RB-Middle (54)	2503.5	22.09	21.07	19.27	18.12				
		2682.5	21.90	20.98	19.85	17.88				
		2637.8	21.89	21.00	20.06	18.00				
		2593.0	22.14	21.12	19.99	18.17				
	108RB-Low (0)	2548.3	22.00	21.05	19.51	17.98				
		2503.5	22.02	21.07	19.21	18.04				
2682.5		21.94	20.99	19.87	17.94					
2637.8		22.02	20.99	20.02	17.99					
50MHz	135RB-High (134)	2593.0	22.20	21.17	20.03	18.21	22.5	21.5	20.5	18.5
		2548.3	22.09	21.09	19.80	18.09				
		2503.5	22.02	21.07	19.24	18.04				
		2680.0	22.57	22.08	20.85	17.86				
	135RB-Middle (68)	2636.5	22.96	21.91	20.98	17.84				
		2593.0	23.18	22.14	20.92	18.11				
		2549.5	23.02	22.08	20.58	17.94				
		2506.0	23.05	21.83	20.11	17.93				
	135RB-Low (0)	2680.0	22.90	22.00	20.81	17.82				
		2636.5	22.90	21.86	20.88	17.81				
2593.0		23.11	22.27	20.86	17.97					
2549.5		23.01	21.97	20.40	17.88					
60MHz	180RB-High (179)	2506.0	22.92	21.84	20.51	17.83	23.5	22.5	21.5	18.5
		2680.0	22.96	21.89	20.82	17.88				
		2636.5	22.88	21.99	21.01	17.76				
		2593.0	23.11	22.19	20.84	18.01				
	180RB-Middle (90)	2549.5	22.92	21.83	20.33	17.84				
		2506.0	23.04	22.04	20.11	17.95				
		2680.0	21.95	20.97	19.89	17.92				
		2536.5	21.96	20.94	20.03	17.96				
	180RB-Low (0)	2593.0	22.13	21.16	20.05	18.15				
		2549.5	22.05	21.13	19.60	18.05				
2506.0		21.95	20.99	19.25	17.94					
2680.0		22.01	20.98	19.82	18.00					
70MHz	216RB-High (215)	2636.5	21.97	21.06	20.06	17.97	22.5	21.5	20.5	18.5
		2593.0	22.18	21.22	20.04	18.20				
		2549.5	22.12	21.08	19.62	18.12				
		2506.0	22.08	21.01	19.27	18.07				
	216RB-Middle (108)	2680.0	21.93	20.95	19.88	17.90				
		2636.5	21.91	20.98	20.04	17.92				
		2593.0	22.15	21.13	19.97	18.14				
		2549.5	21.99	21.05	19.45	18.00				
	216RB-Low (0)	2506.0	22.05	21.10	19.20	18.07				
		2680.0	21.96	21.00	19.80	17.97				
2636.5		21.96	21.02	20.02	17.94					
2593.0		22.19	21.21	20.05	18.20					
80MHz	252RB-High (251)	2549.5	22.11	21.08	19.59	18.12	22.5	21.5	20.5	18.5
		2506.0	22.01	21.02	19.10	18.02				
		2680.0	21.93	20.95	19.88	17.90				
		2636.5	21.91	20.98	20.04	17.92				
	252RB-Middle (126)	2593.0	22.15	21.13	19.97	18.14				
		2549.5	21.99	21.05	19.45	18.00				
		2506.0	22.05	21.10	19.20	18.07				
		2680.0	21.96	21.00	19.80	17.97				
	252RB-Low (0)	2636.5	21.96	21.02	20.02	17.94				
		2593.0	22.19	21.21	20.05	18.20				
2549.5		22.11	21.08	19.59	18.12					
2506.0		22.01	21.02	19.10	18.02					



Ant.1 - LTE Band 41 PC3 Power Level B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	2687.5	20.54	20.60	20.66	17.96	21.0	21.0	21.0	18.5
		2640.3	20.57	20.57	20.54	17.93				
		2593.0	20.67	20.57	20.61	18.03				
		2545.8	20.59	20.61	20.65	18.04				
		2498.5	20.57	20.63	20.73	17.93				
	1RB-Middle (12)	2687.5	20.58	20.61	20.60	18.02				
		2640.3	20.58	20.55	20.66	17.96				
		2593.0	20.65	20.94	20.96	18.24				
		2545.8	20.59	20.56	20.42	18.03				
		2498.5	20.68	20.76	20.76	18.08				
	1RB-Low (0)	2687.5	20.47	20.49	20.56	17.87				
		2640.3	20.53	20.59	20.52	17.93				
		2593.0	20.68	20.71	20.78	18.08				
		2545.8	20.52	20.49	20.42	17.93				
		2498.5	20.64	20.61	20.50	18.05				
	12RB-High (13)	2687.5	20.56	20.58	20.07	18.11				
		2640.3	20.49	20.63	20.11	18.05				
		2593.0	20.69	20.77	20.13	18.27				
		2545.8	20.65	20.62	19.70	18.15				
		2498.5	20.53	20.58	19.33	18.19				
		2687.5	20.52	20.66	20.05	18.00				
		2640.3	20.60	20.65	20.38	18.10				
		2593.0	20.69	20.88	20.19	18.32				
		2545.8	20.49	20.50	19.86	18.12				
2498.5		20.70	20.72	19.39	18.20					
12RB-Middle (6)	2687.5	20.50	20.48	20.00	18.00					
	2640.3	20.58	20.52	20.21	18.12					
	2593.0	20.63	20.66	20.11	18.36					
	2545.8	20.43	20.62	19.70	18.11					
	2498.5	20.66	20.54	19.39	18.12					
	2687.5	20.60	20.47	20.02	18.02					
	2640.3	20.53	20.51	20.15	18.07					
	2593.0	20.77	20.71	20.19	18.35					
	2545.8	20.65	20.57	19.78	18.09					
	2498.5	20.67	20.51	19.41	18.21					
10MHz	1RB-High (49)	2685.0	20.49	20.62	20.58	17.97	21.0	21.0	21.0	18.5
		2639.0	20.80	20.51	20.73	17.95				
		2593.0	20.59	20.59	20.65	18.11				
		2547.0	20.64	20.51	20.59	17.98				
		2501.0	20.59	20.54	20.81	18.02				
	1RB-Middle (24)	2685.0	20.56	20.66	20.60	17.97				
		2639.0	20.54	20.47	20.53	17.99				
		2593.0	20.94	20.87	20.94	18.19				
		2547.0	20.52	20.59	20.46	18.06				
		2501.0	20.78	20.83	20.69	18.06				
	1RB-Low (0)	2685.0	20.49	20.56	20.62	17.96				
		2639.0	20.63	20.68	20.57	17.85				
		2593.0	20.74	20.71	20.72	18.08				
		2547.0	20.59	20.57	20.34	17.93				
		2501.0	20.67	20.88	20.43	17.96				
	25RB-High (25)	2685.0	20.64	20.49	20.03	18.15				
		2639.0	20.44	20.54	20.18	18.08				
		2593.0	20.63	20.68	20.10	18.33				
		2547.0	20.66	20.61	19.78	18.25				
		2501.0	20.54	20.63	19.46	18.13				
		2685.0	20.58	20.75	20.08	18.07				
		2639.0	20.66	20.56	20.21	18.12				
		2593.0	20.80	20.81	20.18	18.36				
		2547.0	20.45	20.41	19.82	18.18				
2501.0		20.76	20.64	19.47	18.19					
25RB-Middle (12)	2685.0	20.40	20.55	20.01	18.00					
	2639.0	20.48	20.61	20.27	18.14					
	2593.0	20.65	20.74	20.15	18.35					
	2547.0	20.41	20.56	19.69	18.15					
	2501.0	20.75	20.51	19.40	18.11					
	2685.0	20.67	20.40	20.13	18.02					
	2639.0	20.47	20.44	20.20	18.13					
	2593.0	20.80	20.64	20.18	18.32					
	2547.0	20.64	20.63	19.73	18.15					
	2501.0	20.73	20.42	19.42	18.16					
15MHz	1RB-High (74)	2682.5	20.55	20.50	20.59	17.81	21.0	21.0	21.0	18.5
		2637.8	20.65	20.62	20.59	17.90				
		2593.0	20.74	20.56	20.53	18.03				
		2548.3	20.62	20.63	20.65	17.99				
		2503.5	20.52	20.73	20.80	17.80				
	1RB-Middle (37)	2682.5	20.64	20.70	20.57	17.84				
		2637.8	20.58	20.48	20.65	17.76				
		2593.0	20.75	20.85	20.90	18.04				
		2548.3	20.64	20.66	20.39	17.88				
		2503.5	20.73	20.81	20.84	17.83				
	1RB-Low (0)	2682.5	20.49	20.47	20.54	17.79				
		2637.8	20.60	20.59	20.61	17.76				
		2593.0	20.69	20.74	20.87	18.05				
		2548.3	20.61	20.40	20.41	17.80				
		2503.5	20.58	20.66	20.58	17.96				
	36RB-High (38)	2682.5	20.64	20.63	19.87	17.96				
		2637.8	20.51	20.53	20.10	17.87				
		2593.0	20.73	20.79	20.02	18.10				
		2548.3	20.63	20.63	19.67	18.04				
		2503.5	20.57	20.52	19.21	17.99				
		2682.5	20.44	20.57	19.87	18.02				
		2637.8	20.64	20.56	20.05	17.98				
		2593.0	20.98	20.89	20.04	18.15				
		2548.3	20.54	20.44	19.60	17.87				
2503.5		20.71	20.71	19.25	18.10					
36RB-Middle (19)	2682.5	20.44	20.56	19.82	17.91					
	2637.8	20.68	20.51	20.04	18.03					
	2593.0	20.71	20.65	20.02	18.17					
	2548.3	20.35	20.69	19.50	18.02					
	2503.5	20.70	20.55	19.22	18.06					
	2682.5	20.63	20.60	19.84	17.93					
	2637.8	20.56	20.54	20.05	18.01					
	2593.0	20.68	20.61	20.06	18.20					
	2548.3	20.71	20.61	19.58	18.10					
	2503.5	20.62	20.54	19.27	18.02					
20MHz	1RB-High (99)	2680.0	20.65	20.54	20.61	17.84	21.0	21.0	21.0	18.5
		2636.5	20.81	20.83	20.75	17.81				
		2593.0	20.85	20.85	20.81	18.12				
		2549.5	20.33	20.21	20.23	17.94				
		2506.0	19.78	19.96	19.71	17.91				
	1RB-Middle (50)	2680.0	20.67	20.58	20.56	17.79				
		2636.5	20.79	20.72	20.78	17.82				
		2593.0	20.74	20.63	20.67	17.97				
		2549.5	20.16	19.88	20.30	17.91				
		2506.0	19.88	19.91	19.86	17.86				
	1RB-Low (0)	2680.0	20.75	20.85	20.66	17.86				
		2636.5	20.78	20.83	20.61	17.74				
		2593.0	20.65	20.62	20.72	18.03				
		2549.5	20.13	20.24	20.12	17.82				
		2506.0	19.90	19.88	20.01	17.91				
	50RB-High (50)	2680.0	20.66	20.67	20.25	17.96				
		2636.5	20.91	20.89	20.33	17.93				
		2593.0	20.71	20.78	20.26	18.13				
		2549.5	20.29	20.27	19.91	18.01				
		2506.0	18.82	18.83	19.42	17.94				
		2680.0	20.67	20.70	20.18	17.98				
		2636.5	20.82	20.89	20.34	17.97				
		2593.0	20.92	20.71	20.27	18.22				
		2549.5	20.28	20.28	19.83	18.14				
2506.0		19.93	19.93	19.84	18.04					
50RB-Middle (25)	2680.0	20.61	20.73	20.10	17.89					
	2636.5	20.80	20.81	20.38	17.94					
	2593.0	20.68	20.67	20.20	18.13					
	2549.5	20.08	20.16	19.65	18.03					
	2506.0	19.78	19.92	19.29	18.09					
	2680.0	20.72	20.89	20.21	17.96					
	2636.5	20.84	20.78	20.32	17.95					
	2593.0	20.71	20.75	20.26	18.17					
	2549.5	20.23	20.19	19.71	18.11					
	2506.0	19.86	19.92	19.72	17.92					
100RB (0)	2680.0	20.65	20.54	20.61	17.84	21.0	21.0	20.5	18.5	
	2636.5	20.80	20.81	20.38	17.94					
	2593.0	20.68	20.67	20.20	18.13					
	2549.5	20.08	20.16	19.65	18.03					
	2506.0	19.78	19.92	19.29	18.09					
	2680.0	20.72	20.89	20.21	17.96					
	2636.5	20.84	20.78	20.32	17.95					
	2593.0	20.71	20.75	20.26	18.17					
	2549.5	20.23	20.19	19.71	18.11					
	2506.0	19.86	19.92	19.72	17.92					



Ant.1 - LTE Band 41 PC2 Power Level A1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	2687.5	25.97	24.95	24.18	20.93	26.5	25.5	24.5	21.5
		2640.3	26.13	25.09	24.47	21.15				
		2593.0	26.08	25.07	24.37	21.09				
		2545.8	25.64	24.53	23.80	20.62				
	1RB-Middle (12)	2498.5	25.27	24.16	23.49	20.24				
		2687.5	26.01	25.08	24.23	21.01				
		2640.3	26.20	25.11	24.45	21.23				
		2593.0	26.17	25.06	24.43	21.15				
	1RB-Low (0)	2545.8	25.67	24.46	23.76	20.67				
		2498.5	25.32	24.33	23.56	20.28				
		2687.5	25.98	24.99	24.16	21.00				
		2640.3	26.13	25.02	24.42	21.11				
	12RB-High (13)	2593.0	26.09	24.99	24.25	21.10				
		2545.8	25.58	24.50	23.71	20.59				
		2498.5	25.31	24.23	23.42	20.30				
		2687.5	25.16	24.14	23.22	21.19				
	12RB-Middle (6)	2640.3	25.27	24.16	23.26	21.26				
		2593.0	25.27	24.24	23.22	21.30				
		2545.8	24.72	23.80	22.59	20.72				
		2498.5	24.41	23.40	22.34	20.41				
	12RB-Low (0)	2687.5	25.17	24.21	23.17	21.15				
		2640.3	25.31	24.34	23.27	21.31				
		2593.0	25.28	24.29	23.23	21.24				
		2545.8	24.73	23.75	22.77	20.74				
25RB (0)	2498.5	24.42	23.45	22.46	20.38					
	2687.5	25.14	24.12	23.17	21.15					
	2640.3	25.27	24.26	23.22	21.24					
	2545.8	24.70	23.69	22.72	20.67					
		2498.5	24.41	23.42	22.36	20.37				
10MHz	1RB-High (49)	2685.0	26.00	24.92	24.24	20.97	26.5	25.5	24.5	21.5
		2639.0	26.15	25.03	24.25	21.14				
		2593.0	26.17	25.02	24.38	21.19				
		2547.0	25.71	24.52	23.87	20.73				
	1RB-Middle (24)	2501.0	25.32	24.10	23.50	20.34				
		2685.0	26.06	24.89	24.29	21.10				
		2639.0	26.24	25.07	24.47	21.27				
		2593.0	26.17	25.04	24.40	21.19				
	1RB-Low (0)	2547.0	25.74	24.54	23.89	20.74				
		2501.0	25.33	24.22	23.56	20.33				
		2685.0	26.07	24.82	24.21	21.04				
		2639.0	26.18	24.98	24.34	21.15				
	25RB-High (25)	2593.0	26.09	24.91	24.29	21.08				
		2547.0	25.62	24.52	23.65	20.59				
		2501.0	25.33	24.18	23.42	20.33				
		2685.0	25.15	24.13	23.18	21.16				
	25RB-Middle (12)	2639.0	25.29	24.30	23.34	21.27				
		2593.0	25.27	24.29	23.29	21.25				
		2547.0	24.79	23.74	22.78	20.75				
		2501.0	24.42	23.39	22.38	20.41				
	25RB-Low (0)	2685.0	25.19	24.17	23.19	21.15				
		2639.0	25.35	24.34	23.29	21.35				
		2593.0	25.32	24.34	23.29	21.29				
		2547.0	24.79	23.85	22.71	20.78				
50RB (0)	2501.0	24.40	23.46	22.41	20.36					
	2685.0	25.10	24.09	23.03	21.06					
	2639.0	25.29	24.33	23.29	21.30					
	2593.0	25.24	24.29	23.23	21.21					
50RB (0)	2547.0	24.66	23.60	22.67	20.68					
	2501.0	24.34	23.36	22.32	20.36					
	2685.0	25.19	24.15	23.16	21.17					
	2639.0	25.34	24.28	23.30	21.34					
		2593.0	25.28	24.28	23.27	21.25				
		2547.0	24.78	23.82	22.79	20.77				
		2501.0	24.44	23.43	22.43	20.43				
15MHz	1RB-High (74)	2682.5	25.87	24.81	24.00	20.89	26.5	25.5	24.5	21.5
		2637.8	26.06	25.02	24.39	21.04				
		2593.0	26.14	24.90	24.27	21.11				
		2548.3	25.87	24.50	23.79	20.66				
	1RB-Middle (37)	2503.5	25.14	24.01	23.33	20.13				
		2682.5	25.89	24.79	23.95	20.86				
		2637.8	26.07	24.93	24.18	21.05				
		2593.0	26.02	24.81	24.24	21.06				
	1RB-Low (0)	2548.3	25.53	24.32	23.64	20.53				
		2503.5	25.17	23.98	23.34	20.16				
		2682.5	25.96	24.73	24.16	20.93				
		2637.8	26.00	24.81	24.08	20.99				
	36RB-High (38)	2593.0	25.96	24.87	24.08	20.92				
		2548.3	25.48	24.24	23.63	20.47				
		2503.5	25.19	23.99	23.31	20.23				
		2682.5	25.02	24.01	23.02	21.05				
	36RB-Middle (19)	2637.8	25.17	24.13	23.14	21.15				
		2593.0	25.14	24.18	23.18	21.17				
		2548.3	24.76	23.67	22.73	20.79				
		2503.5	24.24	23.26	22.28	20.20				
	36RB-Low (0)	2682.5	25.01	23.99	22.99	21.02				
		2637.8	25.16	24.18	23.15	21.16				
		2593.0	25.10	24.07	23.10	21.07				
		2548.3	24.65	23.65	22.62	20.69				
75RB (0)	2503.5	24.35	23.35	22.21	20.36					
	2682.5	24.67	24.00	22.97	20.99					
	2637.8	25.15	24.17	23.14	21.16					
	2593.0	25.11	24.10	23.11	21.08					
50RB (0)	2548.3	24.53	23.59	22.55	20.51					
	2503.5	24.22	23.24	22.25	20.21					
	2682.5	25.02	24.04	23.04	20.99					
	2637.8	25.19	24.15	23.14	21.18					
100RB (0)	2593.0	25.16	24.14	23.13	21.20					
	2548.3	24.58	23.66	22.62	20.54					
	2503.5	24.33	23.29	22.34	20.30					
20MHz	1RB-High (99)	2680.0	25.89	24.88	24.19	20.91	26.5	24.5	23.5	21.5
		2636.5	26.09	25.04	24.33	21.01				
		2593.0	26.22	25.04	24.25	21.10				
		2549.5	25.69	24.65	23.62	20.67				
	1RB-Middle (50)	2506.0	25.17	23.97	23.26	20.16				
		2680.0	25.92	24.78	24.14	20.83				
		2636.5	26.18	24.87	24.33	21.05				
		2593.0	26.05	24.92	24.36	21.03				
	1RB-Low (0)	2549.5	25.58	24.42	23.90	20.54				
		2506.0	25.24	24.08	23.48	20.20				
		2680.0	26.08	24.92	24.24	20.90				
		2636.5	26.08	24.72	24.29	21.01				
	50RB-High (50)	2593.0	25.99	24.84	24.20	20.94				
		2549.5	25.49	24.33	23.81	20.45				
		2506.0	25.25	24.13	23.51	20.27				
		2680.0	26.06	24.07	22.98	21.02				
	50RB-Middle (25)	2636.5	25.22	24.10	23.23	21.19				
		2593.0	25.22	24.20	23.20	21.18				
		2549.5	24.72	23.80	22.72	20.76				
		2506.0	24.25	23.32	22.25	20.22				
	50RB-Low (0)	2680.0	25.09	24.12	23.07	21.05				
		2636.5	25.25	24.19	23.18	21.16				
		2593.0	26.26	24.20	23.21	21.10				
		2549.5	24.74	23.70	22.74	20.69				
100RB (0)	2506.0	25.31	23.38	22.31	20.36					
	2680.0	25.03	24.01	23.02	20.97					
	2636.5	25.20	24.20	23.22	21.18					
	2593.0	25.16	24.11	23.14	21.10					
	2549.5	24.53	23.59	22.55	20.52					
	2506.0	24.28	23.28	22.28	20.23					
	2680.0	25.09	24.05	23.06	20.97					
	2636.5	25.21	24.23	23.18	21.19					
		2593.0	25.20	24.19	23.14	21.24				
		2549.5	24.72	23.69	22.71	20.52				
		2506.0	24.58	23.56	22.55	20.45				



Ant.1 - LTE Band 41 PC2 Power Level B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	2687.5	20.51	20.72	20.83	20.44	21.0	21.0	21.0	21.0
		2640.3	20.78	20.85	20.89	20.53				
		2593.0	20.82	20.86	20.82	20.71				
		2545.8	20.18	20.44	20.27	20.19				
	1RB-Middle (12)	2498.5	19.80	19.92	19.76	19.82				
		2687.5	20.39	20.93	20.55	20.82				
		2540.3	20.70	20.93	20.63	20.79				
		2593.0	20.58	20.89	20.75	20.72				
	1RB-Low (0)	2545.8	20.19	20.27	20.03	20.23				
		2498.5	19.80	19.89	19.78	19.85				
10MHz	12RB-High (13)	2687.5	20.70	20.94	20.80	20.57	21.0	21.0	12.0	21.0
		2640.3	20.94	20.86	20.91	20.67				
		2593.0	20.74	20.91	20.74	20.55				
		2545.8	19.97	20.36	20.35	20.07				
	12RB-Middle (6)	2498.5	19.79	20.19	19.91	19.83				
		2687.5	20.65	20.68	20.54	20.70				
		2640.3	20.94	20.84	20.85	20.74				
		2593.0	20.66	20.82	20.82	20.72				
	12RB-Low (0)	2545.8	20.32	20.31	20.12	20.25				
		2498.5	19.78	19.84	19.84	19.93				
15MHz	1RB-High (49)	2687.5	20.77	20.87	20.86	20.67	21.0	21.0	12.0	21.0
		2640.3	20.99	20.82	20.89	20.85				
		2593.0	20.85	20.84	20.74	20.63				
		2545.8	20.30	20.27	20.18	20.28				
	1RB-Middle (24)	2687.5	20.63	20.53	20.75	20.53				
		2640.3	20.85	20.91	20.89	20.78				
		2593.0	20.82	20.87	20.78	20.67				
		2547.0	20.20	20.25	20.10	20.23				
	1RB-Low (0)	2501.0	19.72	19.94	19.78	19.79				
		2685.0	20.67	20.93	20.76	20.58				
20MHz	25RB-High (25)	2639.0	20.86	20.82	20.88	20.66	21.0	21.0	12.0	21.0
		2593.0	20.70	20.84	20.74	20.57				
		2547.0	19.80	20.36	20.33	20.10				
		2601.0	19.72	20.11	19.91	19.82				
	25RB-Middle (12)	2685.0	20.67	20.66	20.52	20.67				
		2639.0	20.90	20.87	20.90	20.78				
		2593.0	20.68	20.87	20.80	20.76				
		2547.0	20.28	20.28	20.14	20.26				
	25RB-Low (0)	2501.0	19.80	19.84	19.85	19.88				
		2685.0	20.70	20.78	20.83	20.67				
25MHz	1RB-High (74)	2639.0	20.92	20.75	20.90	20.85	21.0	21.0	12.0	21.0
		2593.0	20.86	20.82	20.74	20.82				
		2547.0	20.31	20.27	20.17	20.24				
		2501.0	19.87	19.87	19.85	19.86				
	1RB-Middle (37)	2685.0	20.64	20.60	20.73	20.58				
		2639.0	20.79	20.87	20.89	20.76				
		2593.0	20.78	20.68	20.80	20.74				
		2547.0	19.95	20.21	20.18	20.18				
	1RB-Low (0)	2501.0	19.72	19.89	19.90	19.89				
		2685.0	20.75	20.60	20.73	20.64				
30MHz	1RB-High (99)	2639.0	20.78	20.88	20.86	20.81	21.0	21.0	12.0	21.0
		2593.0	20.85	20.86	20.85	20.82				
		2545.8	20.17	20.47	20.24	20.19				
		2506.0	19.76	20.01	19.75	19.69				
	1RB-Middle (50)	2680.0	20.56	20.92	20.68	20.32				
		2636.5	20.74	20.88	20.77	20.56				
		2593.0	20.68	20.90	20.77	20.55				
		2549.5	20.21	20.37	20.03	20.03				
	1RB-Low (0)	2506.0	19.77	20.03	19.72	19.74				
		2680.0	20.75	20.95	20.76	20.41				
40MHz	50RB-High (50)	2636.5	20.82	20.81	20.85	20.55	21.0	21.0	12.0	21.0
		2593.0	20.60	20.92	20.79	20.48				
		2549.5	20.02	20.28	20.38	19.92				
		2506.0	19.75	20.11	19.99	19.75				
	50RB-Middle (25)	2680.0	20.63	20.67	20.61	20.53				
		2636.5	20.84	20.83	20.86	20.70				
		2593.0	20.74	20.79	20.77	20.70				
		2549.5	20.27	20.27	20.26	20.22				
	50RB-Low (0)	2506.0	19.83	19.85	19.79	19.70				
		2680.0	20.69	20.71	20.69	20.55				
50MHz	100RB (0)	2636.5	20.84	20.81	20.87	20.66	21.0	21.0	12.0	21.0
		2593.0	20.86	20.89	20.84	20.65				
		2549.5	20.22	20.30	20.24	20.03				
		2506.0	19.84	19.91	19.87	19.85				

Ant.2 - LTE Band 42 Power Level A1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	3547.5	23.88	22.91	21.01	18.73	24.0	23.0	22.0	19.0
		3500.0	23.81	22.71	21.31	18.64				
		3452.5	23.59	22.55	21.09	18.41				
	1RB-Middle (12)	3547.5	23.88	22.96	21.13	18.74				
		3500.0	23.80	22.77	21.27	18.61				
		3452.5	23.61	22.69	21.09	18.49				
	1RB-Low (0)	3547.5	23.92	22.94	21.22	18.79				
		3500.0	23.80	22.88	21.32	18.66				
		3452.5	23.60	22.60	21.09	18.42				
	12RB-High (13)	3547.5	22.94	21.95	20.22	18.76	23.0	22.0	21.0	19.0
		3500.0	22.76	21.75	20.45	18.60				
		3452.5	22.60	21.64	20.31	18.44				
	12RB-Middle (6)	3547.5	22.98	21.99	20.26	18.80				
		3500.0	22.83	21.80	20.45	18.66				
		3452.5	22.69	21.60	20.22	18.55				
	12RB-Low (0)	3547.5	22.82	21.73	20.35	18.67				
		3500.0	22.69	21.71	20.41	18.52				
		3452.5	22.52	21.59	20.25	18.36				
	25RB (0)	3547.5	22.92	21.92	20.25	18.79				
		3500.0	22.77	21.83	20.35	18.64				
		3452.5	22.63	21.65	20.25	18.50				
10MHz	1RB-High (49)	3545.0	23.88	22.88	21.19	18.71	24.0	23.0	22.0	19.0
		3500.0	23.74	22.73	21.28	18.55				
		3455.0	23.57	22.59	21.19	18.43				
	1RB-Middle (24)	3545.0	23.93	22.98	21.04	18.74				
		3500.0	23.80	22.94	21.32	18.66				
		3455.0	23.61	22.60	21.16	18.44				
	1RB-Low (0)	3545.0	23.90	22.92	21.12	18.78				
		3500.0	23.77	22.72	21.22	18.65				
		3455.0	23.60	22.59	21.12	18.45				
	25RB-High (25)	3545.0	22.89	21.96	20.31	18.71	23.0	22.0	21.0	19.0
		3500.0	22.79	21.77	20.40	18.63				
		3455.0	22.60	21.62	20.26	18.49				
	25RB-Middle (12)	3545.0	22.78	21.82	20.30	18.61				
		3500.0	22.84	21.78	20.41	18.66				
		3455.0	22.64	21.67	20.30	18.48				
	25RB-Low (0)	3545.0	22.81	21.86	20.33	18.63				
		3500.0	22.72	21.74	20.31	18.59				
		3455.0	22.56	21.66	20.20	18.43				
	50RB (0)	3545.0	22.80	21.86	20.34	18.67				
		3500.0	22.81	21.77	20.38	18.67				
		3455.0	22.58	21.63	20.28	18.39				
15MHz	1RB-High (74)	3542.5	23.66	22.70	21.00	18.49	24.0	23.0	22.0	19.0
		3500.0	23.61	22.66	21.10	18.43				
		3457.5	23.46	22.43	20.98	18.33				
	1RB-Middle (37)	3542.5	23.76	22.79	21.02	18.64				
		3500.0	23.59	22.54	21.18	18.44				
		3457.5	23.41	22.37	20.69	18.23				
	1RB-Low (0)	3542.5	23.76	22.92	20.98	18.59				
		3500.0	23.62	22.73	21.21	18.43				
		3457.5	23.48	22.43	21.00	18.32				
	36RB-High (38)	3542.5	22.82	21.81	20.22	18.66	23.0	22.0	21.0	19.0
		3500.0	22.63	21.71	20.21	18.45				
		3457.5	22.46	21.47	20.03	18.29				
	36RB-Middle (19)	3542.5	22.74	21.75	20.17	18.60				
		3500.0	22.72	21.72	20.17	18.58				
		3457.5	22.49	21.54	20.04	18.37				
	36RB-Low (0)	3542.5	22.73	21.74	20.22	18.57				
		3500.0	22.61	21.63	20.18	18.48				
		3457.5	22.45	21.50	19.98	18.31				
	75RB (0)	3542.5	22.75	21.73	20.19	18.59				
		3500.0	22.65	21.73	20.16	18.48				
		3457.5	22.46	21.45	20.01	18.30				
20MHz	1RB-High (99)	3540.0	23.51	22.73	20.95	18.39	24.0	23.0	22.0	19.0
		3500.0	23.52	22.47	21.04	18.39				
		3460.0	23.29	22.40	20.76	18.14				
	1RB-Middle (50)	3540.0	23.62	22.78	21.05	18.48				
		3500.0	23.68	22.74	21.12	18.54				
		3460.0	23.47	22.50	21.06	18.33				
	1RB-Low (0)	3540.0	23.75	22.87	21.11	18.61				
		3500.0	23.68	22.71	21.46	18.56				
		3460.0	23.48	22.54	20.98	18.34				
	50RB-High (50)	3540.0	22.74	21.81	20.22	18.62	23.0	22.0	21.0	19.0
		3500.0	22.68	21.70	20.26	18.53				
		3460.0	22.46	21.42	20.07	18.30				
	50RB-Middle (25)	3540.0	22.71	21.76	20.28	18.55				
		3500.0	22.64	21.67	20.25	18.48				
		3460.0	22.45	21.49	20.04	18.33				
	50RB-Low (0)	3540.0	22.65	21.70	20.27	18.47				
		3500.0	22.56	21.63	20.31	18.39				
		3460.0	22.40	21.41	20.00	18.25				
	100RB (0)	3540.0	22.67	21.82	20.25	18.53				
		3500.0	22.75	21.69	20.21	18.60				
		3460.0	22.49	21.47	20.07	18.30				

Ant.2 - LTE Band 42 Power Level B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	3547.5	16.98	16.89	16.81	17.48	18.0	18.0	18.0	18.0
		3500.0	17.03	17.04	17.30	17.41				
		3452.5	16.92	16.86	16.77	17.15				
	1RB-Middle (12)	3547.5	17.21	17.02	16.97	17.50				
		3500.0	17.15	17.27	17.23	17.35				
		3452.5	17.09	16.82	16.91	17.26				
	1RB-Low (0)	3547.5	17.25	17.08	16.94	17.57				
		3500.0	17.24	17.18	17.20	17.42				
		3452.5	17.02	17.07	17.17	17.23				
	12RB-High (13)	3547.5	17.19	17.19	17.21	17.55	18.0	18.0	18.0	18.0
		3500.0	17.34	17.25	17.27	17.35				
		3452.5	17.11	16.98	16.96	17.19				
	12RB-Middle (6)	3547.5	17.21	17.22	17.29	17.60				
		3500.0	17.09	17.20	17.22	17.43				
		3452.5	16.96	17.06	17.12	17.32				
	12RB-Low (0)	3547.5	17.08	17.29	17.22	17.43				
		3500.0	17.23	17.08	17.20	17.31				
		3452.5	17.05	16.90	16.87	17.16				
	25RB (0)	3547.5	17.18	17.19	17.19	17.54				
		3500.0	17.09	17.17	17.12	17.39				
		3452.5	16.98	16.97	16.95	17.28				
10MHz	1RB-High (49)	3545.0	16.85	17.03	16.86	17.47	18.0	18.0	18.0	18.0
		3500.0	17.06	17.07	17.27	17.30				
		3455.0	16.97	16.81	16.79	17.20				
	1RB-Middle (24)	3545.0	17.28	16.87	17.04	17.50				
		3500.0	17.23	17.24	17.17	17.45				
		3455.0	17.12	16.85	17.00	17.20				
	1RB-Low (0)	3545.0	17.28	17.06	16.88	17.53				
		3500.0	17.26	17.01	17.14	17.41				
		3455.0	17.06	17.03	17.00	17.25				
	25RB-High (25)	3545.0	17.17	17.08	17.22	17.49	18.0	18.0	18.0	18.0
		3500.0	17.34	17.19	17.22	17.38				
		3455.0	17.07	16.98	16.98	17.25				
	25RB-Middle (12)	3545.0	17.09	17.11	17.24	17.36				
		3500.0	17.10	17.22	17.24	17.42				
		3455.0	17.00	17.13	17.04	17.26				
	25RB-Low (0)	3545.0	17.10	17.21	17.20	17.36				
		3500.0	17.14	17.27	17.18	17.34				
		3455.0	17.03	17.03	16.95	17.18				
	50RB (0)	3545.0	17.21	17.26	17.19	17.45				
		3500.0	17.05	17.14	17.15	17.45				
		3455.0	16.94	17.02	17.09	17.16				
15MHz	1RB-High (74)	3542.5	16.98	17.03	16.90	17.29	18.0	18.0	18.0	18.0
		3500.0	16.99	17.21	17.20	17.21				
		3457.5	16.94	16.86	16.79	17.10				
	1RB-Middle (37)	3542.5	17.14	16.92	17.10	17.42				
		3500.0	17.12	17.29	17.15	17.24				
		3457.5	16.94	17.00	16.92	16.97				
	1RB-Low (0)	3542.5	17.22	17.16	16.94	17.36				
		3500.0	17.10	17.04	17.23	17.23				
		3457.5	17.03	17.08	17.02	17.08				
	36RB-High (38)	3542.5	17.22	17.18	17.08	17.45	18.0	18.0	18.0	18.0
		3500.0	17.19	17.17	17.21	17.24				
		3457.5	16.92	17.02	16.98	17.02				
	36RB-Middle (19)	3542.5	17.21	17.10	17.16	17.39				
		3500.0	17.06	17.25	17.22	17.33				
		3457.5	17.08	17.00	16.96	17.11				
	36RB-Low (0)	3542.5	17.21	17.23	17.23	17.36				
		3500.0	17.11	17.27	17.27	17.29				
		3457.5	16.97	16.89	17.06	17.04				
	75RB (0)	3542.5	17.19	17.18	17.25	17.39				
		3500.0	17.21	17.22	17.28	17.24				
		3457.5	17.11	16.99	17.01	17.06				
20MHz	1RB-High (99)	3540.0	16.95	16.98	16.81	17.12	18.0	18.0	18.0	18.0
		3500.0	17.08	17.12	17.24	17.19				
		3460.0	16.90	16.78	16.84	16.91				
	1RB-Middle (50)	3540.0	17.20	16.96	17.07	17.25				
		3500.0	17.22	17.34	17.20	17.34				
		3460.0	17.02	16.92	17.00	17.12				
	1RB-Low (0)	3540.0	17.24	17.08	16.97	17.40				
		3500.0	17.23	17.08	17.13	17.37				
		3460.0	17.05	16.98	17.07	17.09				
	50RB-High (50)	3540.0	17.28	17.13	17.16	17.41	18.0	18.0	18.0	18.0
		3500.0	17.26	17.24	17.19	17.27				
		3460.0	17.06	17.02	16.96	17.03				
	50RB-Middle (25)	3540.0	17.17	17.18	17.21	17.34				
		3500.0	17.11	17.19	17.15	17.28				
		3460.0	17.04	17.04	17.06	17.13				
	50RB-Low (0)	3540.0	17.18	17.25	17.20	17.26				
		3500.0	17.15	17.18	17.20	17.13				
		3460.0	16.99	16.97	16.97	17.04				
	100RB (0)	3540.0	17.17	17.17	17.19	17.33				
		3500.0	17.14	17.20	17.20	17.40				
		3460.0	17.04	17.06	17.02	17.10				



Ant.2 - LTE Band 48 Power Level A1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up
5MHz	1RB-High (24)	3697.5	23.18	22.15	20.87	18.54	24.0	23.0	22.0	19.0
		3649.2	23.43	22.44	20.81	18.61				
		3600.8	23.51	22.48	20.74	18.72				
		3552.5	23.54	22.52	20.85	18.73				
	1RB-Middle (12)	3697.5	23.36	22.34	20.84	18.62				
		3649.2	23.61	22.51	20.81	18.66				
		3600.8	23.66	22.48	20.84	18.79				
		3552.5	23.63	22.53	21.14	18.72				
	1RB-Low (0)	3697.5	23.49	22.52	21.02	18.57				
		3649.2	23.72	22.56	20.81	18.69				
		3600.8	23.83	22.75	20.90	18.76				
		3552.5	23.62	22.79	21.27	18.72				
	12RB-High (13)	3697.5	22.35	21.39	19.93	18.57				
		3649.2	22.55	21.54	20.02	18.70				
		3600.8	22.67	21.70	19.94	18.83				
		3552.5	22.60	21.62	20.19	18.76				
	12RB-Middle (6)	3697.5	22.38	21.39	20.03	18.66				
		3649.2	22.67	21.60	20.04	18.77				
		3600.8	22.71	21.65	20.16	18.85				
		3552.5	22.66	21.67	20.08	18.85				
	12RB-Low (0)	3697.5	22.44	21.50	19.92	18.54				
		3649.2	22.65	21.65	19.99	18.71				
		3600.8	22.62	21.71	20.00	18.78				
		3552.5	22.54	21.56	20.25	18.76				
	25RB (0)	3697.5	22.42	21.39	19.96	18.55				
		3649.2	22.63	21.58	19.83	18.76				
		3600.8	22.67	21.74	20.02	18.73				
			3552.5	22.70	21.61	20.23	18.74			
10MHz	1RB-High (48)	3695.0	23.19	22.38	20.87	18.19	24.0	23.0	22.0	19.0
		3648.3	23.50	22.35	20.77	18.50				
		3601.7	23.63	22.58	20.85	18.63				
		3555.0	23.54	22.46	21.08	18.54				
	1RB-Middle (24)	3695.0	23.40	22.44	20.71	18.40				
		3648.3	23.52	22.50	20.87	18.52				
		3601.7	23.63	22.68	20.86	18.63				
		3555.0	23.55	22.58	21.17	18.55				
	1RB-Low (0)	3695.0	23.58	22.64	20.97	18.58				
		3648.3	23.61	22.59	20.68	18.61				
		3601.7	23.72	22.71	21.11	18.72				
		3555.0	23.59	22.59	21.17	18.59				
	25RB-High (25)	3695.0	22.43	21.43	19.97	18.43				
		3648.3	22.53	21.56	19.89	18.53				
		3601.7	22.66	21.63	20.04	18.66				
		3555.0	22.66	21.63	20.25	18.66				
	25RB-Middle (12)	3695.0	22.40	21.47	19.95	18.40				
		3648.3	22.59	21.62	19.87	18.59				
		3601.7	22.71	21.68	20.05	18.71				
		3555.0	22.62	21.71	20.25	18.62				
	25RB-Low (0)	3695.0	22.42	21.44	19.95	18.42				
		3648.3	22.66	21.66	19.91	18.66				
		3601.7	22.65	21.71	20.07	18.65				
		3555.0	22.57	21.62	20.19	18.57				
	50RB (0)	3695.0	22.42	21.44	19.97	18.42				
		3648.3	22.59	21.54	19.86	18.59				
		3601.7	22.68	21.71	20.07	18.68				
		3555.0	22.64	21.66	20.24	18.64				
15MHz	1RB-High (74)	3692.5	23.42	22.37	20.60	18.33	24.0	23.0	22.0	19.0
		3647.5	23.62	22.55	20.64	18.50				
		3602.5	23.75	22.78	20.65	18.65				
		3557.5	23.72	22.70	20.96	18.52				
	1RB-Middle (37)	3692.5	23.53	22.52	20.75	18.36				
		3647.5	23.66	22.72	20.56	18.55				
		3602.5	23.78	22.91	20.95	18.60				
		3557.5	23.70	22.84	20.97	18.52				
	1RB-Low (0)	3692.5	23.62	22.59	20.86	18.57				
		3647.5	23.77	22.83	20.65	18.65				
		3602.5	23.80	22.88	20.71	18.68				
		3557.5	23.77	22.93	20.99	18.60				
	36RB-High (38)	3692.5	22.54	21.47	19.83	18.39				
		3647.5	22.68	21.67	19.71	18.56				
		3602.5	22.79	21.77	19.85	18.64				
		3557.5	22.73	21.77	20.02	18.65				
	36RB-Middle (19)	3692.5	22.56	21.66	19.82	18.37				
		3647.5	22.73	21.76	19.72	18.59				
		3602.5	22.83	21.88	19.87	18.73				
		3557.5	22.73	21.75	20.03	18.62				
	36RB-Low (0)	3692.5	22.58	21.49	19.82	18.39				
		3647.5	22.74	21.68	19.71	18.66				
		3602.5	22.75	21.70	19.94	18.67				
		3557.5	22.73	21.70	20.08	18.61				
	75RB (0)	3692.5	22.54	21.56	19.85	18.41				
		3647.5	22.68	21.69	19.75	18.58				
		3602.5	22.77	21.88	19.91	18.68				
		3557.5	22.77	21.81	20.09	18.62				
20MHz	1RB-High (99)	3690.0	23.55	22.55	20.65	18.50	24.0	23.0	22.0	19.0
		3646.7	23.65	22.68	20.44	18.62				
		3603.3	23.72	22.66	20.73	18.74				
		3560.0	23.72	22.57	20.89	18.69				
	1RB-Middle (50)	3690.0	23.61	22.55	20.72	18.63				
		3646.7	23.69	22.77	20.56	18.68				
		3603.3	23.80	23.00	20.90	18.78				
		3560.0	23.75	22.65	20.98	18.76				
	1RB-Low (0)	3690.0	23.60	22.45	20.86	18.60				
		3646.7	23.68	22.60	20.95	18.66				
		3603.3	23.78	22.93	20.86	18.82				
		3560.0	23.74	22.74	20.97	18.76				
	50RB-High (50)	3690.0	22.56	21.56	19.77	18.55				
		3646.7	22.72	21.79	19.79	18.74				
		3603.3	22.85	21.78	19.81	18.76				
		3560.0	22.77	21.81	20.07	18.80				
	50RB-Middle (25)	3690.0	22.62	21.54	19.79	18.62				
		3646.7	22.76	21.84	19.79	18.78				
		3603.3	22.81	21.75	19.89	18.85				
		3560.0	22.84	21.78	20.10	18.83				
	50RB-Low (0)	3690.0	22.58	21.55	19.89	18.59				
		3646.7	22.71	21.72	19.78	18.71				
		3603.3	22.77	21.83	19.96	18.74				
		3560.0	22.79	21.82	20.11	18.75				
	100RB (0)	3690.0	22.55	21.56	19.75	18.54				
		3646.7	22.73	21.65	19.77	18.72				
		3603.3	22.76	21.83	19.91	18.79				
		3560.0	22.74	21.79	20.04	18.77				



Ant.2 - LTE Band 48 Power Level B1

Bandwidth	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM	QPSK Tune-up	16QAM Tune-up	64QAM Tune-up	256QAM Tune-up				
5MHz	1RB-High (24)	3697.5	16.60	16.65	16.76	16.98	18.0	18.0	18.0	18.0				
		3649.2	16.56	16.58	16.64	17.05								
		3600.8	16.62	16.72	16.81	17.16								
		3552.5	16.80	16.77	16.87	17.14								
	1RB-Middle (12)	3697.5	16.75	16.60	16.78	17.05								
		3649.2	16.60	16.85	16.57	17.09								
		3600.8	16.92	16.61	16.77	17.27								
		3552.5	16.96	16.83	16.82	17.17								
	1RB-Low (0)	3697.5	16.69	16.93	16.42	16.99								
		3649.2	16.84	16.67	16.84	17.13								
		3600.8	16.96	16.89	16.97	17.24								
		3552.5	17.15	17.00	16.98	17.18								
	12RB-High (13)	3697.5	16.79	16.64	16.76	17.05	18.0	18.0	18.0	18.0				
		3649.2	16.76	16.72	16.60	17.13								
		3600.8	16.91	16.95	16.77	17.28								
		3552.5	16.92	16.97	16.98	17.23								
	12RB-Middle (6)	3697.5	16.75	16.79	16.80	17.12								
		3649.2	16.84	16.83	16.85	17.19								
		3600.8	16.84	17.06	16.87	17.31								
		3552.5	17.03	17.06	16.90	17.26								
	12RB-Low (0)	3697.5	16.59	16.79	16.83	16.98								
		3649.2	16.80	16.64	16.76	17.16								
		3600.8	17.02	16.98	16.97	17.21								
		3552.5	17.11	17.11	17.15	17.22								
	25RB (0)	3697.5	16.69	16.66	16.62	16.97	18.0	18.0	18.0	18.0				
		3649.2	16.72	16.84	16.76	17.24								
		3600.8	16.91	16.97	16.97	17.17								
		3552.5	17.06	17.09	17.03	17.20								
10MHz	1RB-High (49)	3695.0	16.53	16.70	16.68	16.63	18.0	18.0	18.0	18.0				
		3648.3	16.65	16.54	16.66	16.94								
		3601.7	16.69	16.76	16.65	17.10								
		3555.0	16.86	16.82	16.83	16.97								
	1RB-Middle (24)	3695.0	16.65	16.49	16.86	16.84								
		3648.3	16.63	16.77	16.42	16.96								
		3601.7	16.84	16.61	16.72	17.09								
		3555.0	16.96	16.97	16.77	16.99								
	1RB-Low (0)	3695.0	16.85	16.92	16.45	17.02								
		3648.3	16.70	16.59	16.86	17.09								
		3601.7	16.85	17.08	16.98	17.20								
		3555.0	17.13	17.06	16.96	17.03								
	25RB-High (25)	3695.0	16.75	16.65	16.71	16.88	18.0	18.0	18.0	18.0				
		3648.3	16.63	16.83	16.71	17.02								
		3601.7	16.86	16.81	16.78	17.11								
		3555.0	17.02	17.11	17.15	17.09								
	25RB-Middle (12)	3695.0	16.68	16.81	16.69	16.81								
		3648.3	16.83	16.87	16.67	17.05								
		3601.7	16.91	17.07	16.91	17.19								
		3555.0	17.15	17.12	16.98	17.06								
	25RB-Low (0)	3695.0	16.77	16.88	16.75	16.83								
		3648.3	16.64	16.80	16.83	17.11								
		3601.7	16.90	17.02	17.03	17.10								
		3555.0	17.04	17.10	17.02	17.04								
	50RB (0)	3695.0	16.78	16.68	16.69	16.91	18.0	18.0	18.0	18.0				
		3648.3	16.83	16.80	16.85	17.06								
		3601.7	16.87	16.87	16.81	17.12								
		3555.0	17.02	16.92	16.96	17.09								
15MHz	1RB-High (74)	3692.5	16.53	16.75	16.71	16.80	18.0	18.0	18.0	18.0				
		3647.5	16.65	16.69	16.56	16.94								
		3602.5	16.73	16.74	16.81	17.11								
		3557.5	16.82	16.89	16.78	16.99								
	1RB-Middle (37)	3692.5	16.77	16.68	16.77	16.78								
		3647.5	16.71	16.74	16.51	16.98								
		3602.5	16.97	16.64	16.76	17.05								
		3557.5	17.07	17.00	16.84	17.01								
	1RB-Low (0)	3692.5	16.88	16.94	16.59	16.99								
		3647.5	16.84	16.66	16.77	17.13								
		3602.5	16.88	17.08	16.94	17.15								
		3557.5	17.17	17.15	17.03	17.04								
	36RB-High (38)	3692.5	16.70	16.74	16.82	16.83	18.0	18.0	18.0	18.0				
		3647.5	16.67	16.72	16.63	16.99								
		3602.5	16.99	16.94	16.87	17.06								
		3557.5	17.06	17.10	17.10	17.12								
	36RB-Middle (19)	3692.5	16.75	16.81	16.73	16.80								
		3647.5	16.82	16.89	16.73	17.07								
		3602.5	17.02	16.94	17.03	17.15								
		3557.5	17.07	16.93	16.93	17.07								
	36RB-Low (0)	3692.5	16.62	16.92	16.79	16.85								
		3647.5	16.71	16.72	16.73	17.11								
		3602.5	17.02	16.90	17.01	17.14								
		3557.5	17.06	17.01	17.16	17.08								
	75RB (0)	3692.5	16.71	16.70	16.80	16.90	18.0	18.0	18.0	18.0				
		3647.5	16.82	16.78	16.70	17.07								
		3602.5	16.91	16.99	16.97	17.14								
		3557.5	17.07	16.92	16.99	17.06								
20MHz	1RB-High (99)	3690.0	16.56	16.67	16.69	16.96	18.0	18.0	18.0	18.0				
		3646.7	16.55	16.64	16.59	17.09								
		3603.3	16.72	16.70	16.74	17.17								
		3560.0	16.85	16.85	16.81	17.13								
	1RB-Middle (50)	3690.0	16.73	16.59	16.77	17.09								
		3646.7	16.69	16.78	16.51	17.14								
		3603.3	17.12	16.71	16.68	17.19								
		3560.0	16.99	16.92	16.84	17.20								
	1RB-Low (0)	3690.0	16.79	16.85	16.51	17.07								
		3646.7	16.77	16.64	16.83	17.09								
		3603.3	16.95	16.98	16.90	17.25								
		3560.0	17.10	17.07	16.99	17.21								
	50RB-High (50)	3690.0	16.69	16.73	16.75	17.02	18.0	18.0	18.0	18.0				
		3646.7	16.70	16.77	16.68	17.22								
		3603.3	17.09	16.88	16.87	17.18								
		3560.0	17.00	17.01	17.08	17.26								
	50RB-Middle (25)	3690.0	16.68	16.73	16.77	17.09								
		3646.7	16.75	16.83	16.76	17.19								
		3603.3	16.94	16.99	16.93	17.33								
		3560.0	17.08	17.03	17.00	17.28								
	50RB-Low (0)	3690.0	16.69	16.82	16.74	17.08					18.0	18.0	18.0	18.0
		3646.7	16.72	16.73	16.73	17.16								
		3603.3	16.99	16.94	16.93	17.20								
		3560.0	17.04	17.05	17.12	17.18								
	100RB (0)	3690.0	16.71	16.72	16.71	17.02								
		3646.7	16.77	16.81	16.78	17.16								
		3603.3	16.89	16.94	16.89	17.21								
		3560.0	17.06	17.02	17.04	17.18								



The measurement results of down-link LTE 2CA Conducted Power are as below:

Configure	CA List	PCC						SCC						Power	
		LTE	BW	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA		
		Band	(MHz)	Freq.		RB	RB	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power		
				(MHz)			Offset			(MHz)					
Inter-Band	CA_2A-4A	Band 2	20M	1880.0	18900	QPSK	1	0	Band 4	20M	2132.5	2175	23.11	23.16	
		Band 4	20M	1745.0	20300	QPSK	1	99	Band 2	20M	1960.0	900	22.98	23.03	
	CA_2A-5A	Band 2	20M	1880.0	18900	QPSK	1	0	Band 5	10M	881.5	2525	23.07	23.16	
		Band 5	10M	829.0	20450	QPSK	1	49	Band 2	20M	1960.0	900	23.69	23.78	
	CA_2A-7A	Band 2	20M	1860.0	18700	QPSK	1	50	Band 7	20M	2655.0	3100	23.05	23.19	
		Band 7	20M	2560.0	21350	QPSK	1	99	Band 2	20M	1960.0	900	22.64	22.70	
	CA_2A-12A	Band 2	20M	1880.0	18900	QPSK	1	0	Band 12	10M	737.5	5095	23.10	23.16	
		Band 12	10M	711.0	23130	QPSK	1	49	Band 2	20M	1960.0	900	23.71	23.74	
	CA_2A-13A	Band 2	20M	1880.0	18900	QPSK	1	0	Band 13	10M	751.0	5230	23.08	23.16	
		Band 13	10M	782.0	23230	QPSK	1	24	Band 2	20M	1960.0	900	23.66	23.75	
	CA_2A-14A	Band 2	20M	1880.0	18900	QPSK	1	0	Band 14	10M	763.0	5530	23.10	23.16	
		Band 14	10M	793.0	23330	QPSK	1	24	Band 2	20M	1960.0	900	23.73	23.77	
	CA_2A-29A	Band 2	20M	1880.0	18900	QPSK	1	0	Band 29	10M	722.5	9715	23.12	23.16	
		Band 2	20M	1860.0	18700	QPSK	1	50	Band 30	10M	2355.0	9820	23.14	23.19	
	CA_2A-30A	Band 30	10M	2310.0	27710	QPSK	1	24	Band 2	20M	1960.0	900	23.08	23.23	
		Band 2	20M	1880.0	18900	QPSK	1	0	Band 48	20M	3625.0	55990	22.99	23.16	
	CA_2A-48A	Band 48	20M	3603.3	55773	QPSK	1	50	Band 2	20M	1960.0	900	23.65	23.80	
		Band 2	20M	1880.0	18900	QPSK	1	0	Band 66	20M	2155.0	66886	23.04	23.16	
	CA_2A-66A	Band 66	20M	1720.0	132072	QPSK	1	0	Band 2	20M	1960.0	900	22.65	22.77	
		Band 2	20M	1880.0	18900	QPSK	1	0	Band 71	20M	637.0	68786	23.12	23.16	
	CA_2A-71A	Band 71	20M	673.0	133222	QPSK	1	0	Band 2	20M	1960.0	900	23.45	23.52	
		Band 4	20M	1745.0	20300	QPSK	1	99	Band 5	10M	881.5	2525	22.93	23.03	
	CA_4A-5A	Band 5	10M	829.0	20450	QPSK	1	49	Band 4	20M	2132.5	2175	23.67	23.78	
		Band 4	20M	1745.0	20300	QPSK	1	99	Band 7	20M	2655.0	3100	23.03	23.10	
	CA_4A-7A	Band 7	20M	2560.0	21350	QPSK	1	99	Band 4	20M	2132.5	2175	22.59	22.70	
		Band 4	20M	1745.0	20300	QPSK	1	99	Band 12	10M	737.5	5095	22.94	23.03	
	CA_4A-12A	Band 12	10M	711.0	23130	QPSK	1	49	Band 4	20M	2132.5	2175	23.63	23.74	
		Band 4	20M	1745.0	20300	QPSK	1	99	Band 13	10M	751.0	5230	22.98	23.03	
	CA_4A-13A	Band 13	10M	782.0	23230	QPSK	1	24	Band 4	20M	2132.5	2175	23.70	23.75	
		Band 4	20M	1745.0	20300	QPSK	1	99	Band 30	10M	2355.0	9820	23.04	23.10	
	CA_4A-30A	Band 30	10M	2310.0	27710	QPSK	1	24	Band 4	20M	2132.5	2175	23.17	23.23	
		Band 4	20M	1745.0	20300	QPSK	1	99	Band 48	20M	3625.0	55990	23.00	23.03	
	CA_4A-48A	Band 48	20M	3603.3	55773	QPSK	1	50	Band 4	20M	2132.5	2175	23.71	23.80	
		Band 4	20M	1745.0	20300	QPSK	1	99	Band 71	20M	637.0	68786	22.97	23.03	
	CA_4A-71A	Band 71	20M	673.0	133222	QPSK	1	0	Band 4	20M	2132.5	2175	23.45	23.52	
		Band 5	10M	829.0	20450	QPSK	1	49	Band 7	20M	2655.0	3100	23.69	23.78	
	CA_5A-7A	Band 7	20M	2560.0	21350	QPSK	1	99	Band 5	10M	881.5	2525	22.62	22.70	
		Band 5	10M	829.0	20450	QPSK	1	49	Band 30	10M	2355.0	9820	23.70	23.78	
	CA_5A-30A	Band 30	10M	2310.0	27710	QPSK	1	24	Band 5	10M	881.5	2525	23.16	23.23	
		Band 5	10M	829.0	20450	QPSK	1	49	Band 48	20M	3625.0	55990	23.64	23.78	
	CA_5A-48A	Band 48	20M	3603.3	55773	QPSK	1	50	Band 5	10M	881.5	2525	23.65	23.80	
		Band 5	10M	829.0	20450	QPSK	1	49	Band 66	20M	2155.0	66886	23.67	23.78	
	CA_5A-66A	Band 66	20M	1720.0	132072	QPSK	1	0	Band 5	10M	881.5	2525	22.69	22.77	
		Band 7	20M	2560.0	21350	QPSK	1	99	Band 12	10M	737.5	5095	22.57	22.70	
	CA_7A-12A	Band 12	10M	711.0	23130	QPSK	1	49	Band 7	20M	2655.0	3100	23.54	23.74	
		Band 7	20M	2560.0	21350	QPSK	1	99	Band 66	20M	2155.0	66886	22.61	22.70	
	CA_7A-66A	Band 66	20M	1745.0	133222	QPSK	1	99	Band 7	20M	2655.0	3100	23.05	23.12	
		Band 7	20M	2560.0	21350	QPSK	1	99	Band 71	20M	637.0	68786	22.58	22.70	
	CA_7A-71A	Band 71	20M	673.0	133222	QPSK	1	0	Band 7	20M	2655.0	3100	23.42	23.52	
		Band 12	10M	711.0	23130	QPSK	1	49	Band 30	10M	2355.0	9820	23.68	23.74	
	CA_12A-30A	Band 30	10M	2310.0	27710	QPSK	1	24	Band 12	10M	737.5	5095	23.15	23.23	
		Band 12	10M	711.0	23130	QPSK	1	49	Band 66	20M	2155.0	66886	23.61	23.74	
	CA_12A-66A	Band 66	20M	1720.0	132072	QPSK	1	0	Band 12	10M	737.5	5095	22.70	22.77	
		Band 13	10M	782.0	23230	QPSK	1	24	Band 48	20M	3625.0	55990	23.66	23.75	
	CA_13A-48A	Band 48	20M	3603.3	55773	QPSK	1	50	Band 13	10M	751.0	5230	23.69	23.80	
		Band 13	10M	782.0	23230	QPSK	1	24	Band 66	20M	2155.0	66886	23.53	23.75	
	CA_13A-66A	Band 66	20M	1720.0	132072	QPSK	1	0	Band 13	10M	751.0	5230	22.54	22.77	
		Band 14	10M	793.0	23330	QPSK	1	24	Band 30	10M	2355.0	9820	23.67	23.77	
	CA_14A-30A	Band 30	10M	2310.0	27710	QPSK	1	24	Band 14	10M	763.0	5530	23.15	23.23	
		Band 14	10M	793.0	23330	QPSK	1	24	Band 66	20M	2155.0	66886	23.68	23.77	
	CA_14A-66A	Band 66	20M	1720.0	132072	QPSK	1	0	Band 14	10M	763.0	5530	22.73	22.77	
		Band 30	10M	2310.0	27710	QPSK	1	24	Band 29	10M	722.5	9715	23.11	23.23	
	CA_29A-66A	Band 66	20M	1720.0	132072	QPSK	1	0	Band 29	10M	722.5	9715	22.72	22.77	
		Band 30	10M	2310.0	27710	QPSK	1	24	Band 66	20M	2155.0	66886	23.19	23.23	
	CA_30A-66A	Band 66	20M	1745.0	133222	QPSK	1	99	Band 30	10M	2355.0	9820	23.10	23.12	
		Band 48	20M	3603.3	55773	QPSK	1	50	Band 66	20M	2155.0	66886	23.64	23.80	
	CA_48A-66A	Band 66	20M	1720.0	132072	QPSK	1	0	Band 48	20M	3625.0	55990	22.60	22.77	
		Band 48	20M	3603.3	55773	QPSK	1	50	Band 71	20M	637.0	68786	23.59	23.80	
	CA_48A-71A	Band 71	20M	673.0	133222	QPSK	1	0	Band 48	20M	3625.0	55990	23.46	23.52	
		Band 66	20M	1720.0	132072	QPSK	1	0	Band 71	20M	637.0	68786	22.65	22.77	
	CA_66A-71A	Band 71	20M	673.0	133222	QPSK	1	0	Band 66	20M	2155.0	66886	23.48	23.52	
CA_2C		Band 2	20M	1880.0	18900	QPSK	1	0	Band 2	20M	1979.8	1098	23.10	23.16	
Intra-Band	Contiguous	CA_5B	Band 5	10M	829.0	20450	QPSK	1	49	Band 5	10M	883.9	2549	23.72	23.78
		CA_7C	Band 7	20M	2560.0	21350	QPSK	1	99	Band 7	20M	2660.2	3152	22.67	22.70
		CA_41C	Band 41	20M	2593.0	40620	QPSK	1	99	Band 41	20M	2612.8	40818	23.11	23.19
		CA_48C	Band 48	20M	3603.3	55773	QPSK	1	50	Band 41	20M	3623.1	55971	23.73	23.80
		CA_66B	Band 66	15M	1717.5	132047	QPSK	1	0	Band 66	5M	2121.8	66554	22.66	22.73
		CA_66C	Band 66	20M	1720	132072	QPSK	1	0	Band 66	20M	2139.8	66734	22.65	22.77
		CA_2A-2A	Band 2	20M	1880.0	18900	QPSK	1	0	Band 2	5M	1987.5	1175	23.09	23.16
	Non-Contiguous	CA_4A-4A	Band 4	20M	1745.0	20300	QPSK	1	99	Band 4	5M	2112.5	1975	22.97	23.03
		CA_5A-5A	Band 5	10M	829.0	20450	QPSK	1	49	Band 5	5M	891.5	2625	23.72	23.78
		CA_7A-7A	Band 7	20M	2560.0	21350	QPSK	1	99	Band 7	5M	2622.5	2775	22.63	22.70
		CA_41A-41A	Band 41	20M	2593.0	40620	QPSK	1	99	Band 41	5M	2687.5	41565	23.12	23.19
CA_48A-48A	Band 48	20M	3603.3	55773	QPSK	1	50	Band 48	5M	3552.5	55265	23.68	23.80		
	CA_66A-66A	Band 66	20M	1720.0	132072	QPSK	1	0	Band 66	5M	2197.5	67311	22.73	22.77	

10.3. NR Measurement result

Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
		0.5 ²		0 ²
	QPSK	≤ 1	0	
	16 QAM	≤ 2	≤ 1	
	64 QAM	≤ 2.5		
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3	≤ 1.5	
	16 QAM	≤ 3	≤ 2	
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		
NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability <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 with Pi/2 BPSK modulation 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.				

Note: For this device, NR n41/n77/n78 support PC3 and PC2 mode with 100% duty cycle, so we choose high power PC2 mode to measure conducted power and SAR testing.

According to April 2015 TCB workshop, SAR Test exclusion can be applied for testing overlapping LTE Bands as follows:

- The maximum out power, including tolerance, for the smaller band must be $\leq$ the larger band to qualify for SAR test exclusion.
- The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.

NR n2 (1850-1910MHz) is covered by NR n25 (1850-1915MHz)

NR n38 (2570-2620MHz) is covered by NR n41 (2496-2690MHz)

NR n78 (3450-3550MHz) is covered by NR n77 Part 27Q (3450-3550MHz)

Table 10.3: The conducted Power measurement results for NR
Ant.0 - NR n5 Power Level A1/B1 (Tune up: 24.0)

NR n5							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	846.5	169300	23.21
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	23.23
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	23.19
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839.0	167800	23.29
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	23.30
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834.0	166800	23.28
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	836.5	167300	23.26
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	836.5	167300	22.32
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	836.5	167300	20.78
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	836.5	167300	18.82
15	20	CP-OFDM QPSK	Inner_Full	50@25	836.5	167300	21.84
15	20	CP-OFDM 16QAM	Inner_Full	50@25	836.5	167300	21.26
15	20	CP-OFDM 64QAM	Inner_Full	50@25	836.5	167300	19.85
15	20	CP-OFDM 256QAM	Inner_Full	50@25	836.5	167300	16.81
15	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	836.5	167300	22.35
15	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	836.5	167300	22.21
15	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	836.5	167300	23.24
15	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	836.5	167300	23.23
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	836.5	167300	22.32
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	836.5	167300	23.16
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	836.5	167300	23.20

Ant.0 - NR n7 Power Level A1 (Tune up: 23.5)

NR n7							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	23.05
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535.0	507000	23.07
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	23.03
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560.0	512000	23.12
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535.0	507000	23.15
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510.0	502000	23.09
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2535.0	507000	23.09
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	2535.0	507000	22.12
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	2535.0	507000	20.63
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	2535.0	507000	18.66
15	20	CP-OFDM QPSK	Inner_Full	50@25	2535.0	507000	21.62
15	20	CP-OFDM 16QAM	Inner_Full	50@25	2535.0	507000	21.13
15	20	CP-OFDM 64QAM	Inner_Full	50@25	2535.0	507000	19.65
15	20	CP-OFDM 256QAM	Inner_Full	50@25	2535.0	507000	16.64
15	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	2535.0	507000	22.23
15	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	2535.0	507000	22.26
15	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	2535.0	507000	23.02
15	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	2535.0	507000	23.08
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	2535.0	507000	22.21
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	2535.0	507000	23.03
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	2535.0	507000	22.98

Ant.0 - NR n7 Power Level B1 (Tune up: 22.5)

NR n7							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2567.5	513500	22.02
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535.0	507000	21.98
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	22.03
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560.0	512000	22.02
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535.0	507000	22.10
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510.0	502000	21.96
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2535.0	507000	22.07
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	2535.0	507000	21.99
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	2535.0	507000	20.54
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	2535.0	507000	18.61
15	20	CP-OFDM QPSK	Inner_Full	50@25	2535.0	507000	21.64
15	20	CP-OFDM 16QAM	Inner_Full	50@25	2535.0	507000	21.12
15	20	CP-OFDM 64QAM	Inner_Full	50@25	2535.0	507000	19.66
15	20	CP-OFDM 256QAM	Inner_Full	50@25	2535.0	507000	16.56
15	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	2535.0	507000	22.03
15	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	2535.0	507000	21.97
15	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	2535.0	507000	22.00
15	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	2535.0	507000	22.00
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	2535.0	507000	22.04
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	2535.0	507000	22.09
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	2535.0	507000	22.09

Ant.0 - NR n14 Power Level A1/B1 (Tune up: 24.0)

NR n14							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	790.5	158100	23.16
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	793.0	158600	23.19
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	795.5	159100	23.13
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	793.0	158600	23.24
15	10	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	793.0	158600	23.06
15	10	DFT-s-OFDM 16QAM	Inner_Full	25@12	793.0	158600	22.05
15	10	DFT-s-OFDM 64QAM	Inner_Full	25@12	793.0	158600	20.58
15	10	DFT-s-OFDM 256QAM	Inner_Full	25@12	793.0	158600	18.58
15	10	CP-OFDM QPSK	Inner_Full	26@13	793.0	158600	21.53
15	10	CP-OFDM 16QAM	Inner_Full	26@13	793.0	158600	21.03
15	10	CP-OFDM 64QAM	Inner_Full	26@13	793.0	158600	19.43
15	10	CP-OFDM 256QAM	Inner_Full	26@13	793.0	158600	16.57
15	10	DFT-s-OFDM QPSK	Edge_Full_Right	2@50	793.0	158600	22.12
15	10	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	793.0	158600	22.16
15	10	DFT-s-OFDM QPSK	Inner_1RB_Right	1@50	793.0	158600	23.08
15	10	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	793.0	158600	23.21
15	10	DFT-s-OFDM QPSK	Outer_Full	50@0	793.0	158600	22.08

Ant.0 - NR n25 Power Level A1/A2 (Tune up: 24.0)

NR n25							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1907.5	382500	22.77
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	23.02
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	22.85
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905.0	381000	22.86
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	23.06
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860.0	372000	22.96
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1882.5	376500	23.04
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	1882.5	376500	21.92
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	1882.5	376500	20.38
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	1882.5	376500	18.52
15	20	CP-OFDM QPSK	Inner_Full	53@26	1882.5	376500	21.55
15	20	CP-OFDM 16QAM	Inner_Full	53@26	1882.5	376500	20.96
15	20	CP-OFDM 64QAM	Inner_Full	53@26	1882.5	376500	19.50
15	20	CP-OFDM 256QAM	Inner_Full	53@26	1882.5	376500	16.43
15	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	1882.5	376500	21.98
15	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1882.5	376500	22.06
15	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	1882.5	376500	22.95
15	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1882.5	376500	22.97
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	1882.5	376500	22.04
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	22.81
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	22.78

Ant.0 - NR n25 Power Level B1 (Tune up: 22.0)

NR n25							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1907.5	382500	20.68
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	20.71
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	20.71
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905.0	381000	20.76
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	20.81
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860.0	372000	20.68
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1882.5	376500	20.72
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	1882.5	376500	20.77
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	1882.5	376500	20.38
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	1882.5	376500	18.53
15	20	CP-OFDM QPSK	Inner_Full	53@26	1882.5	376500	20.66
15	20	CP-OFDM 16QAM	Inner_Full	53@26	1882.5	376500	20.78
15	20	CP-OFDM 64QAM	Inner_Full	53@26	1882.5	376500	19.55
15	20	CP-OFDM 256QAM	Inner_Full	53@26	1882.5	376500	16.42
15	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	1882.5	376500	20.74
15	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1882.5	376500	20.72
15	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	1882.5	376500	20.68
15	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1882.5	376500	20.66
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	1882.5	376500	20.68
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	20.78
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	20.71

Ant.0 - NR n25 Power Level B2 (Tune up: 19.0)

NR n25							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1907.5	382500	17.70
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	17.78
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	17.70
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905.0	381000	17.77
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	17.83
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860.0	372000	17.71
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1882.5	376500	17.81
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	1882.5	376500	17.68
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	1882.5	376500	17.82
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	1882.5	376500	17.56
15	20	CP-OFDM QPSK	Inner_Full	53@26	1882.5	376500	17.71
15	20	CP-OFDM 16QAM	Inner_Full	53@26	1882.5	376500	17.80
15	20	CP-OFDM 64QAM	Inner_Full	53@26	1882.5	376500	17.73
15	20	CP-OFDM 256QAM	Inner_Full	53@26	1882.5	376500	16.43
15	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	1882.5	376500	17.68
15	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1882.5	376500	17.74
15	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	1882.5	376500	17.78
15	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1882.5	376500	17.76
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	1882.5	376500	17.79
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	17.71
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	17.71

Ant.1 - NR n25 Power Level A2 (Tune up: 23.5)

NR n25							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1907.5	382500	22.84
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	22.93
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	22.90
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905.0	381000	22.95
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	22.98
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860.0	372000	22.97
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1882.5	376500	22.95
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	1882.5	376500	22.87
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	1882.5	376500	21.59
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	1882.5	376500	19.43
15	20	CP-OFDM QPSK	Inner_Full	53@26	1882.5	376500	22.55
15	20	CP-OFDM 16QAM	Inner_Full	53@26	1882.5	376500	22.05
15	20	CP-OFDM 64QAM	Inner_Full	53@26	1882.5	376500	20.39
15	20	CP-OFDM 256QAM	Inner_Full	53@26	1882.5	376500	17.46
15	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	1882.5	376500	22.97
15	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1882.5	376500	22.91
15	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	1882.5	376500	22.83
15	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1882.5	376500	22.95
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	1882.5	376500	22.89
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	22.86
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	22.92

Ant.1 - NR n25 Power Level B2 (Tune up: 14.5)

NR n25							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1907.5	382500	14.12
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	14.01
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	14.12
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905.0	381000	13.99
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	14.13
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860.0	372000	14.05
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1882.5	376500	14.12
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	1882.5	376500	14.02
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	1882.5	376500	14.00
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	1882.5	376500	14.07
15	20	CP-OFDM QPSK	Inner_Full	53@26	1882.5	376500	14.08
15	20	CP-OFDM 16QAM	Inner_Full	53@26	1882.5	376500	14.10
15	20	CP-OFDM 64QAM	Inner_Full	53@26	1882.5	376500	14.11
15	20	CP-OFDM 256QAM	Inner_Full	53@26	1882.5	376500	14.00
15	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	1882.5	376500	14.12
15	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1882.5	376500	14.10
15	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	1882.5	376500	14.03
15	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1882.5	376500	14.09
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	1882.5	376500	14.11
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	13.98
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	14.02

Ant.0 - NR n66 Power Level A1/A2 (Tune up: 24.0)

NR n66							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	22.78
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745.0	349000	22.94
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	22.91
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1770.0	354000	23.03
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745.0	349000	23.04
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1720.0	344000	23.00
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	1745.0	349000	22.99
15	30	DFT-s-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	22.07
15	30	DFT-s-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	20.58
15	30	DFT-s-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	18.61
15	30	CP-OFDM QPSK	Inner_Full	80@40	1745.0	349000	21.62
15	30	CP-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	21.06
15	30	CP-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	19.58
15	30	CP-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	16.62
15	30	DFT-s-OFDM QPSK	Edge_Full_Right	2@158	1745.0	349000	22.48
15	30	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745.0	349000	22.53
15	30	DFT-s-OFDM QPSK	Inner_1RB_Right	1@158	1745.0	349000	23.03
15	30	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745.0	349000	23.02
15	30	DFT-s-OFDM QPSK	Outer_Full	160@0	1745.0	349000	22.03
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745.0	349000	23.00
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745.0	349000	22.97
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745.0	349000	22.95
15	25	DFT-s-OFDM QPSK	Inner_Full	64@32	1745.0	349000	22.90

Ant.0 - NR n66 Power Level B1 (Tune up: 22.0)

NR n66							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	21.01
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745.0	349000	21.14
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	21.06
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1770.0	354000	21.10
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745.0	349000	21.15
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1720.0	344000	21.00
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	1745.0	349000	21.04
15	30	DFT-s-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	21.13
15	30	DFT-s-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	20.60
15	30	DFT-s-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	18.61
15	30	CP-OFDM QPSK	Inner_Full	80@40	1745.0	349000	21.10
15	30	CP-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	21.12
15	30	CP-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	19.50
15	30	CP-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	16.60
15	30	DFT-s-OFDM QPSK	Edge_Full_Right	2@158	1745.0	349000	21.08
15	30	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745.0	349000	21.01
15	30	DFT-s-OFDM QPSK	Inner_1RB_Right	1@158	1745.0	349000	21.00
15	30	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745.0	349000	21.09
15	30	DFT-s-OFDM QPSK	Outer_Full	160@0	1745.0	349000	21.10
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745.0	349000	21.07
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745.0	349000	21.00
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745.0	349000	21.00
15	25	DFT-s-OFDM QPSK	Inner_Full	64@32	1745.0	349000	21.00

Ant.0 - NR n66 Power Level B2 (Tune up: 20.0)

NR n66							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	19.08
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745.0	349000	18.97
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	19.09
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1770.0	354000	19.11
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745.0	349000	19.12
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1720.0	344000	19.08
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	1745.0	349000	19.05
15	30	DFT-s-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	19.11
15	30	DFT-s-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	19.09
15	30	DFT-s-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	18.62
15	30	CP-OFDM QPSK	Inner_Full	80@40	1745.0	349000	19.04
15	30	CP-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	19.06
15	30	CP-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	19.04
15	30	CP-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	16.59
15	30	DFT-s-OFDM QPSK	Edge_Full_Right	2@158	1745.0	349000	19.05
15	30	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745.0	349000	18.98
15	30	DFT-s-OFDM QPSK	Inner_1RB_Right	1@158	1745.0	349000	19.02
15	30	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745.0	349000	18.98
15	30	DFT-s-OFDM QPSK	Outer_Full	160@0	1745.0	349000	18.97
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745.0	349000	19.09
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745.0	349000	19.00
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745.0	349000	19.00
15	25	DFT-s-OFDM QPSK	Inner_Full	64@32	1745.0	349000	19.00

Ant.1 - NR n66 Power Level A2 (Tune up: 23.5)

NR n66							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	22.78
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745.0	349000	22.82
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	22.77
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1770.0	354000	22.85
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745.0	349000	22.97
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1720.0	344000	22.93
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	1745.0	349000	22.88
15	30	DFT-s-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	21.81
15	30	DFT-s-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	20.31
15	30	DFT-s-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	18.35
15	30	CP-OFDM QPSK	Inner_Full	80@40	1745.0	349000	21.36
15	30	CP-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	20.86
15	30	CP-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	19.39
15	30	CP-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	16.38
15	30	DFT-s-OFDM QPSK	Edge_Full_Right	2@158	1745.0	349000	21.92
15	30	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745.0	349000	21.93
15	30	DFT-s-OFDM QPSK	Inner_1RB_Right	1@158	1745.0	349000	22.95
15	30	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745.0	349000	22.96
15	30	DFT-s-OFDM QPSK	Outer_Full	160@0	1745.0	349000	21.86
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745.0	349000	22.91
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745.0	349000	22.76
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745.0	349000	22.68
15	25	DFT-s-OFDM QPSK	Inner_Full	64@32	1745.0	349000	22.85

Ant.1 - NR n66 Power Level B2 (Tune up: 14.5)

NR n66							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	13.90
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745.0	349000	13.89
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	14.02
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1770.0	354000	13.94
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745.0	349000	14.04
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1720.0	344000	13.91
15	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	80@40	1745.0	349000	13.97
15	30	DFT-s-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	14.01
15	30	DFT-s-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	13.90
15	30	DFT-s-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	13.91
15	30	CP-OFDM QPSK	Inner_Full	80@40	1745.0	349000	13.96
15	30	CP-OFDM 16QAM	Inner_Full	80@40	1745.0	349000	14.02
15	30	CP-OFDM 64QAM	Inner_Full	80@40	1745.0	349000	13.95
15	30	CP-OFDM 256QAM	Inner_Full	80@40	1745.0	349000	13.90
15	30	DFT-s-OFDM QPSK	Edge_Full_Right	2@158	1745.0	349000	13.95
15	30	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745.0	349000	13.96
15	30	DFT-s-OFDM QPSK	Inner_1RB_Right	1@158	1745.0	349000	13.89
15	30	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745.0	349000	13.99
15	30	DFT-s-OFDM QPSK	Outer_Full	160@0	1745.0	349000	13.97
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745.0	349000	14.02
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745.0	349000	13.89
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745.0	349000	13.93
15	25	DFT-s-OFDM QPSK	Inner_Full	64@32	1745.0	349000	13.95

Ant.0 - NR n71 Power Level A1/B1 (Tune up: 24.0)

NR n71							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	665.5	133100	23.37
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	680.5	136100	23.25
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	695.5	139100	23.36
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	673.0	134600	23.35
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	680.5	136100	23.39
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	688.0	137600	23.30
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	680.5	136100	23.30
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	680.5	136100	22.32
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	680.5	136100	20.77
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	680.5	136100	18.83
15	20	CP-OFDM QPSK	Inner_Full	53@26	680.5	136100	21.77
15	20	CP-OFDM 16QAM	Inner_Full	53@26	680.5	136100	21.25
15	20	CP-OFDM 64QAM	Inner_Full	53@26	680.5	136100	19.78
15	20	CP-OFDM 256QAM	Inner_Full	53@26	680.5	136100	16.73
15	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	680.5	136100	22.29
15	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	680.5	136100	22.32
15	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	680.5	136100	23.29
15	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	680.5	136100	22.50
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	680.5	136100	22.32
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	680.5	136100	23.32
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	680.5	136100	23.33

Ant.1 - NR n41 PC2 Power Level A1/A2 (Tune up: 26.5)

NR n41							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2689.98	537996	25.37
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	25.36
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	25.39
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	25.41
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	25.44
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	25.38
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	2592.99	518598	25.33
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	2592.99	518598	24.32
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	2592.99	518598	22.83
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	2592.99	518598	20.83
30	100	CP-OFDM QPSK	Inner_Full	137@68	2592.99	518598	23.84
30	100	CP-OFDM 16QAM	Inner_Full	137@68	2592.99	518598	23.34
30	100	CP-OFDM 64QAM	Inner_Full	137@68	2592.99	518598	21.88
30	100	CP-OFDM 256QAM	Inner_Full	137@68	2592.99	518598	18.87
30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2@271	2592.99	518598	22.15
30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	2592.99	518598	21.37
30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1@271	2592.99	518598	25.35
30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	2592.99	518598	24.05
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	2592.99	518598	24.41
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	2592.99	518598	25.43
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2592.99	518598	25.37
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	2592.99	518598	25.29
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2592.99	518598	25.41
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	2592.99	518598	25.29
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	2592.99	518598	25.36
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	2592.99	518598	25.39

Ant.1 - NR n41 PC2 Power Level B1 (Tune up: 18.5)

NR n41							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2689.98	537996	17.51
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	17.54
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	17.51
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	17.53
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	17.56
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	17.50
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	2592.99	518598	17.41
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	2592.99	518598	17.42
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	2592.99	518598	17.45
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	2592.99	518598	17.43
30	100	CP-OFDM QPSK	Inner_Full	137@68	2592.99	518598	17.45
30	100	CP-OFDM 16QAM	Inner_Full	137@68	2592.99	518598	17.52
30	100	CP-OFDM 64QAM	Inner_Full	137@68	2592.99	518598	17.42
30	100	CP-OFDM 256QAM	Inner_Full	137@68	2592.99	518598	17.54
30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2@271	2592.99	518598	17.52
30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	2592.99	518598	17.53
30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1@271	2592.99	518598	17.52
30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	2592.99	518598	17.53
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	2592.99	518598	17.42
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	2592.99	518598	17.55
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2592.99	518598	17.48
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	2592.99	518598	17.52
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2592.99	518598	17.53
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	2592.99	518598	17.46
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	2592.99	518598	17.49
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	2592.99	518598	17.53

Ant.1 - NR n41 PC2 Power Level B2 (Tune up: 13.5)

NR n41							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2689.98	537996	12.66
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2592.99	518598	12.67
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.02	501204	12.67
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.00	528000	12.57
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2592.99	518598	12.68
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.01	509202	12.63
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	2592.99	518598	12.66
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	2592.99	518598	12.67
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	2592.99	518598	12.58
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	2592.99	518598	12.62
30	100	CP-OFDM QPSK	Inner_Full	137@68	2592.99	518598	12.67
30	100	CP-OFDM 16QAM	Inner_Full	137@68	2592.99	518598	12.54
30	100	CP-OFDM 64QAM	Inner_Full	137@68	2592.99	518598	12.57
30	100	CP-OFDM 256QAM	Inner_Full	137@68	2592.99	518598	12.67
30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2@271	2592.99	518598	12.54
30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	2592.99	518598	12.53
30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1@271	2592.99	518598	12.57
30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	2592.99	518598	12.60
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	2592.99	518598	12.62
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	2592.99	518598	12.62
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2592.99	518598	12.62
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	2592.99	518598	12.55
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2592.99	518598	12.62
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	2592.99	518598	12.62
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	2592.99	518598	12.60
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	2592.99	518598	12.64

Ant.2 - NR n48 Power Level A1 (Tune up: 24.0)

NR n48							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3690.00	646000	23.02
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3624.99	641666	23.06
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3560.01	637334	22.98
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3679.98	645332	23.11
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3624.99	641666	23.13
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3570.00	638000	23.06
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	3624.99	641666	23.12
30	40	DFT-s-OFDM 16QAM	Inner_Full	50@25	3624.99	641666	22.13
30	40	DFT-s-OFDM 64QAM	Inner_Full	50@25	3624.99	641666	20.59
30	40	DFT-s-OFDM 256QAM	Inner_Full	50@25	3624.99	641666	18.58
30	40	CP-OFDM QPSK	Inner_Full	50@25	3624.99	641666	21.61
30	40	CP-OFDM 16QAM	Inner_Full	50@25	3624.99	641666	21.13
30	40	CP-OFDM 64QAM	Inner_Full	50@25	3624.99	641666	19.67
30	40	CP-OFDM 256QAM	Inner_Full	50@25	3624.99	641666	16.61
30	40	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	3624.99	641666	22.19
30	40	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3624.99	641666	22.17
30	40	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	3624.99	641666	23.07
30	40	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3624.99	641666	23.04
30	40	DFT-s-OFDM QPSK	Outer_Full	100@0	3624.99	641666	22.08
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3624.99	641666	23.07

Ant.2 - NR n48 Power Level B1 (Tune up: 17.0)

NR n48							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3690.00	646000	16.43
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3624.99	641666	16.51
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3560.01	637334	16.41
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3679.98	645332	16.40
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3624.99	641666	16.52
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3570.00	638000	16.50
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	3624.99	641666	16.43
30	40	DFT-s-OFDM 16QAM	Inner_Full	50@25	3624.99	641666	16.48
30	40	DFT-s-OFDM 64QAM	Inner_Full	50@25	3624.99	641666	16.47
30	40	DFT-s-OFDM 256QAM	Inner_Full	50@25	3624.99	641666	16.48
30	40	CP-OFDM QPSK	Inner_Full	50@25	3624.99	641666	16.45
30	40	CP-OFDM 16QAM	Inner_Full	50@25	3624.99	641666	16.39
30	40	CP-OFDM 64QAM	Inner_Full	50@25	3624.99	641666	16.40
30	40	CP-OFDM 256QAM	Inner_Full	50@25	3624.99	641666	16.39
30	40	DFT-s-OFDM QPSK	Edge_Full_Right	2@104	3624.99	641666	16.49
30	40	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3624.99	641666	16.51
30	40	DFT-s-OFDM QPSK	Inner_1RB_Right	1@104	3624.99	641666	16.38
30	40	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3624.99	641666	16.42
30	40	DFT-s-OFDM QPSK	Outer_Full	100@0	3624.99	641666	16.42
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3624.99	641666	16.47

Ant.2 - NR n77 PC2 Part 27Q Power Level A1/A2 (Tune up: 26.5)

NR n77 (3450-3550)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540.00	635737	25.51
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	25.56
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.00	630929	25.54
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	25.58
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	3500.01	633334	25.54
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3500.01	633334	24.64
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3500.01	633334	23.16
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3500.01	633334	21.12
30	100	CP-OFDM QPSK	Inner_Full	135@67	3500.01	633334	24.14
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3500.01	633334	23.68
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3500.01	633334	22.15
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3500.01	633334	19.11
30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2@271	3500.01	633334	22.29
30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	22.03
30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1@271	3500.01	633334	25.52
30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	25.51
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3500.01	633334	24.65
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3500.01	633334	25.56
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	25.45
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	25.53
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	25.46
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3500.01	633334	25.48
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	25.45
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	25.57

Ant.2 - NR n77 PC2 Part 27Q Power Level B1 (Tune up: 16.5)

NR n77 (3450-3550)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540.00	635737	15.56
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	15.65
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.00	630929	15.58
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	15.71
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	3500.01	633334	15.57
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3500.01	633334	15.55
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3500.01	633334	15.54
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3500.01	633334	15.56
30	100	CP-OFDM QPSK	Inner_Full	135@67	3500.01	633334	15.62
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3500.01	633334	15.63
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3500.01	633334	15.57
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3500.01	633334	15.65
30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2@271	3500.01	633334	15.63
30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	15.55
30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1@271	3500.01	633334	15.64
30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	15.51
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3500.01	633334	15.54
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3500.01	633334	11.58
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	15.54
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	15.55
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	15.51
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3500.01	633334	15.56
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	15.57
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	15.54

Ant.2 - NR n77 PC2 Part 27Q Power Level B2 (Tune up: 13.5)

NR n77 (3450-3550)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540.00	635737	12.53
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	12.48
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.00	630929	12.49
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	12.62
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	3500.01	633334	12.52
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3500.01	633334	12.48
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3500.01	633334	12.48
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3500.01	633334	12.61
30	100	CP-OFDM QPSK	Inner_Full	135@67	3500.01	633334	12.55
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3500.01	633334	12.57
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3500.01	633334	12.57
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3500.01	633334	12.47
30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2@271	3500.01	633334	12.58
30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	12.56
30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1@271	3500.01	633334	12.55
30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	12.48
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3500.01	633334	12.58
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3500.01	633334	11.52
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	12.48
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	12.58
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	12.49
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3500.01	633334	12.49
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	12.56
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	12.48

Ant.2 - NR n77 PC2 Part 27O Power Level A1/A2 (Tune up: 26.5)

NR n77 (3700-3980)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3970.00	664667	25.70
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840.00	656000	25.60
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.00	647333	25.67
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.00	662000	25.68
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3840.00	656000	25.74
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.00	650000	25.66
30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135@67	3840.00	656000	25.73
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3840.00	656000	24.85
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3840.00	656000	23.35
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3840.00	656000	21.33
30	100	CP-OFDM QPSK	Inner_Full	135@67	3840.00	656000	24.37
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3840.00	656000	23.90
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3840.00	656000	22.38
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3840.00	656000	19.21
30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2@271	3840.00	656000	22.34
30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3840.00	656000	22.21
30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1@271	3840.00	656000	25.72
30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3840.00	656000	25.71
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3840.00	656000	24.82
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3840.00	656000	25.62
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840.00	656000	25.70
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3840.00	656000	25.71
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840.00	656000	25.62
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3840.00	656000	25.72
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840.00	656000	25.73
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3840.00	656000	25.73

Ant.2 - NR n77 PC2 Part 270 Power Level B1 (Tune up: 16.5)

NR n77 (3700-3980)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3970.00	664667	15.92
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840.00	656000	15.85
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.00	647333	15.83
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.00	662000	15.80
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3840.00	656000	15.93
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.00	650000	15.88
30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135@67	3840.00	656000	15.78
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3840.00	656000	15.79
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3840.00	656000	15.85
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3840.00	656000	15.90
30	100	CP-OFDM QPSK	Inner_Full	135@67	3840.00	656000	15.88
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3840.00	656000	15.89
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3840.00	656000	15.92
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3840.00	656000	15.90
30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2@271	3840.00	656000	15.85
30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3840.00	656000	15.88
30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1@271	3840.00	656000	15.80
30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3840.00	656000	15.81
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3840.00	656000	15.92
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3840.00	656000	15.86
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840.00	656000	15.80
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3840.00	656000	15.79
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840.00	656000	15.92
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3840.00	656000	15.91
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840.00	656000	15.88
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3840.00	656000	15.84

Ant.2 - NR n77 PC2 Part 270 Power Level B2 (Tune up: 13.5)

NR n77 (3700-3980)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3970.00	664667	12.80
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840.00	656000	12.81
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.00	647333	12.90
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.00	662000	12.86
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3840.00	656000	12.91
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.00	650000	12.80
30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135@67	3840.00	656000	12.82
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3840.00	656000	12.77
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3840.00	656000	12.79
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3840.00	656000	12.86
30	100	CP-OFDM QPSK	Inner_Full	135@67	3840.00	656000	12.88
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3840.00	656000	12.82
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3840.00	656000	12.77
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3840.00	656000	12.89
30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2@271	3840.00	656000	12.79
30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3840.00	656000	12.85
30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1@271	3840.00	656000	12.83
30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3840.00	656000	12.80
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3840.00	656000	12.86
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3840.00	656000	12.90
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840.00	656000	12.78
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3840.00	656000	12.87
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840.00	656000	12.81
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3840.00	656000	12.77
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840.00	656000	12.80
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3840.00	656000	12.79

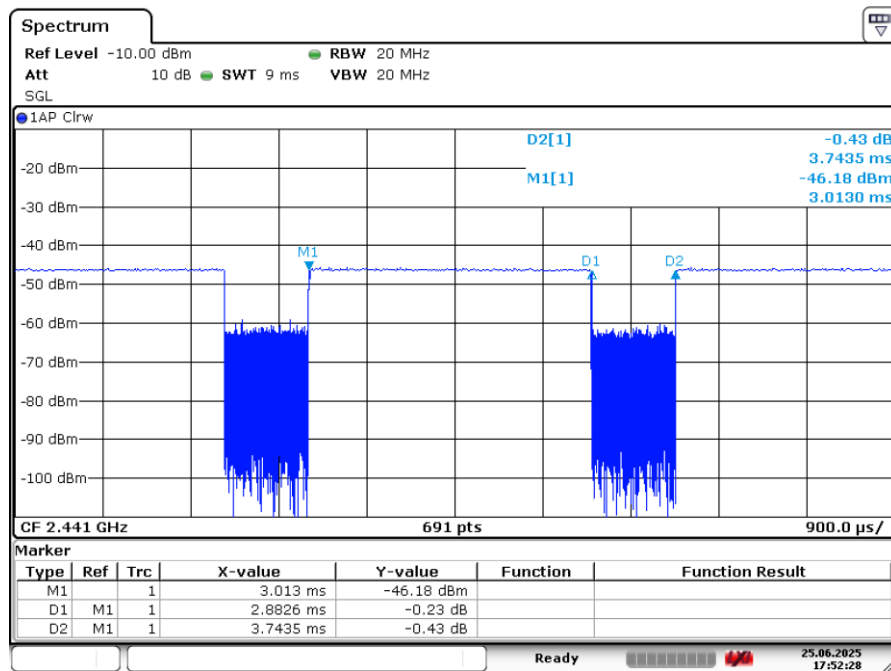
10.4. Bluetooth and WLAN Measurement result

Table 10.4: The conducted Power measurement results for Bluetooth

Ant.3

Mode	Averaged Power (dBm)			Tune up (dBm)
	Ch.0 (2402MHz)	Ch.39 (2441MHz)	Ch.78 (2480MHz)	
GFSK	10.80	11.09	10.34	12.0
EDR2M-4_DQPSK	10.24	10.70	9.80	11.5
EDR3M-8DPSK	10.44	10.71	10.12	11.5
/	Ch.0 (2402MHz)	Ch.19 (2440MHz)	Ch.39 (2480MHz)	/
BLE(1M)	6.30	6.58	6.15	7.5

Duty factor plot



Date: 25 JUN 2025 17:52:29

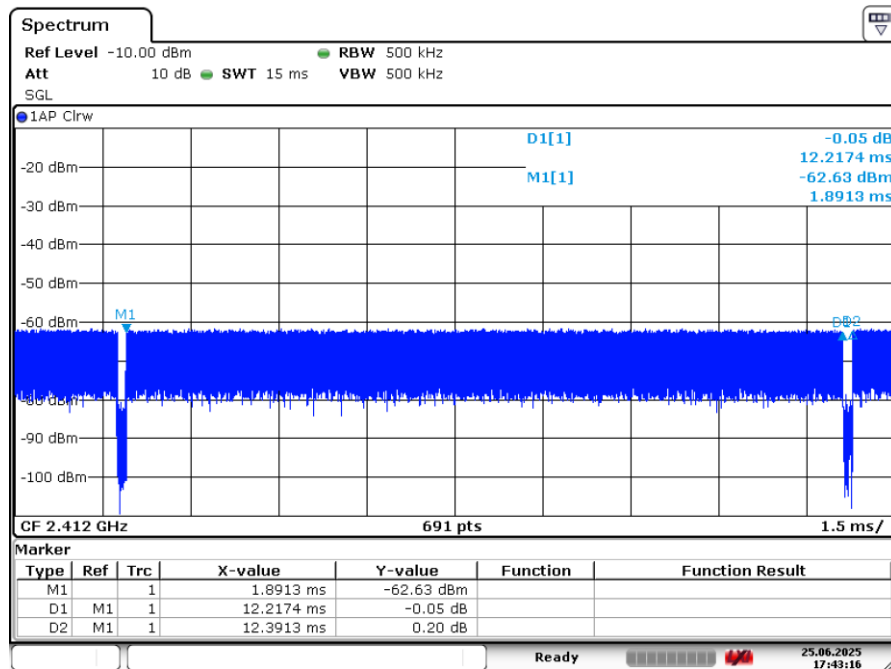
$$\text{Duty cycle} = \text{on time} / \text{total time} = (2.8826 / 3.7435) * 100\% = 77.00\%$$

Table 10.5: The conducted Power measurement results for WLAN 2.4GHz
Ant.3 - WLAN 2.4GHz Power Level C1/C2/D2

Averaged Power (dBm)				Tune up (dBm)
Mode	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)	
802.11b	13.86	13.12	13.09	14.5
802.11g	12.94	12.60	12.88	14.0
802.11n(20MHz)	13.01	12.69	12.99	14.0
/	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)	/
802.11n(20MHz)	13.01	13.07	13.16	14.0

Ant.3 - WLAN 2.4GHz Power Level D1

Averaged Power (dBm)				Tune up (dBm)
Mode	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)	
802.11b	17.92	17.01	17.17	18.5
802.11g	15.89	15.48	15.72	16.5
802.11n(20MHz)	14.03	13.40	13.55	15.0
/	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)	/
802.11n(20MHz)	14.07	14.04	14.21	15.0

Duty factor plot


Date: 25.JUN.2025 17:43:16

$$\text{Duty cycle} = \text{on time} / \text{total time} = (12.2174 / 12.3913) * 100\% = 98.60\%$$

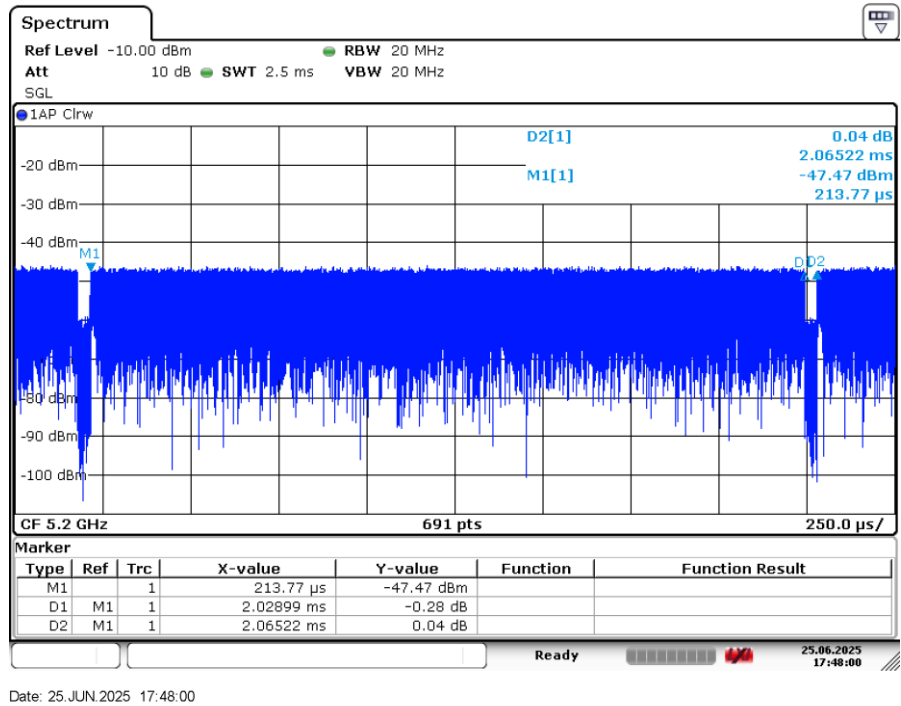
Table 10.6: The conducted Power measurement results for WLAN 5GHz
Ant.3 - WLAN 5GHz Power Level C1/D1

Averaged Power (dBm)								
Mode	802.11a	802.11n-20MHz	802.11ac-20MHz	Mode	802.11n-40MHz	802.11ac-40MHz	Mode	802.11ac-80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	16.5	16.0	14.0	/	16.0	14.0	/	13.0
36(5180MHz)	15.33	14.72	12.93	38(5190MHz)	14.78	12.84	42(5210MHz)	12.33
40(5200MHz)	15.44	14.74	13.01	46(5230MHz)	14.76	12.79	/	/
44(5220MHz)	15.43	14.64	12.93	/	/	/	/	/
48(5240MHz)	15.78	14.81	13.10	/	/	/	/	/
<U-NII-2A>								
Tune up	16.5	16.0	14.0	/	16.0	14.0	/	13.0
52(5260MHz)	15.84	14.93	13.19	54(5270MHz)	15.01	13.10	58(5290MHz)	12.52
56(5280MHz)	15.89	14.92	13.21	62(5310MHz)	15.02	13.06	/	/
60(5300MHz)	15.94	14.91	13.20	/	/	/	/	/
64(5320MHz)	15.45	14.47	12.95	/	/	/	/	/
<U-NII-2C>								
Tune up	16.0	15.5	13.5	/	15.5	13.5	/	13.0
100(5500MHz)	15.28	14.46	12.77	102(5510MHz)	14.57	12.64	106(5530MHz)	12.09
116(5580MHz)	15.30	14.56	12.93	110(5550MHz)	14.69	12.77	122(5610MHz)	12.01
124(5620MHz)	15.19	14.41	12.97	126(5630MHz)	14.22	12.53	/	/
132(5660MHz)	15.12	14.28	12.51	134(5670MHz)	14.32	12.46	/	/
140(5700MHz)	14.74	13.92	12.22	/	/	/	/	/
<U-NII-3>								
Tune up	16.0	15.5	13.5	/	15.5	13.5	/	13.0
149(5745MHz)	14.96	13.97	12.52	151(5755MHz)	13.99	12.43	155(5775MHz)	11.64
157(5785MHz)	14.83	14.10	12.45	159(5795MHz)	14.23	12.28	/	/
165(5825MHz)	15.01	14.36	12.89	/	/	/	/	/

Ant.3 - WLAN 5GHz Power Level C2/D2

Averaged Power (dBm)								
Mode	802.11a	802.11n-20MHz	802.11ac-20MHz	Mode	802.11n-40MHz	802.11ac-40MHz	Mode	802.11ac-80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	13.5	13.0	13.0	/	13.0	13.0	/	13.0
36(5180MHz)	12.34	11.71	11.88	38(5190MHz)	11.78	11.86	42(5210MHz)	12.33
40(5200MHz)	12.49	11.79	12.00	46(5230MHz)	11.73	11.79	/	/
44(5220MHz)	12.38	11.61	11.93	/	/	/	/	/
48(5240MHz)	12.82	11.76	12.09	/	/	/	/	/
<U-NII-2A>								
Tune up	13.5	13.0	13.0	/	13.0	13.0	/	13.0
52(5260MHz)	12.89	11.90	12.21	54(5270MHz)	11.99	12.10	58(5290MHz)	12.52
56(5280MHz)	12.88	11.93	12.26	62(5310MHz)	11.98	12.07	/	/
60(5300MHz)	12.92	11.93	12.22	/	/	/	/	/
64(5320MHz)	12.41	11.44	11.94	/	/	/	/	/
<U-NII-2C>								
Tune up	11.0	10.5	10.5	/	10.5	10.5	/	10.5
100(5500MHz)	10.25	9.46	9.82	102(5510MHz)	9.54	9.69	106(5530MHz)	10.04
116(5580MHz)	10.35	9.52	9.88	110(5550MHz)	9.69	9.76	122(5610MHz)	9.96
124(5620MHz)	10.16	9.46	10.00	126(5630MHz)	9.23	9.56	/	/
132(5660MHz)	10.09	9.33	9.49	134(5670MHz)	9.27	9.49	/	/
140(5700MHz)	9.75	8.91	9.27	/	/	/	/	/
<U-NII-3>								
Tune up	11.0	10.5	10.5	/	10.5	10.5	/	10.5
149(5745MHz)	10.01	9.99	9.53	151(5755MHz)	9.99	10.13	155(5775MHz)	9.64
157(5785MHz)	10.08	10.14	9.44	159(5795MHz)	10.23	10.08	/	/
165(5825MHz)	10.09	9.41	9.86	/	/	/	/	/

Duty factor plot - 802.11a

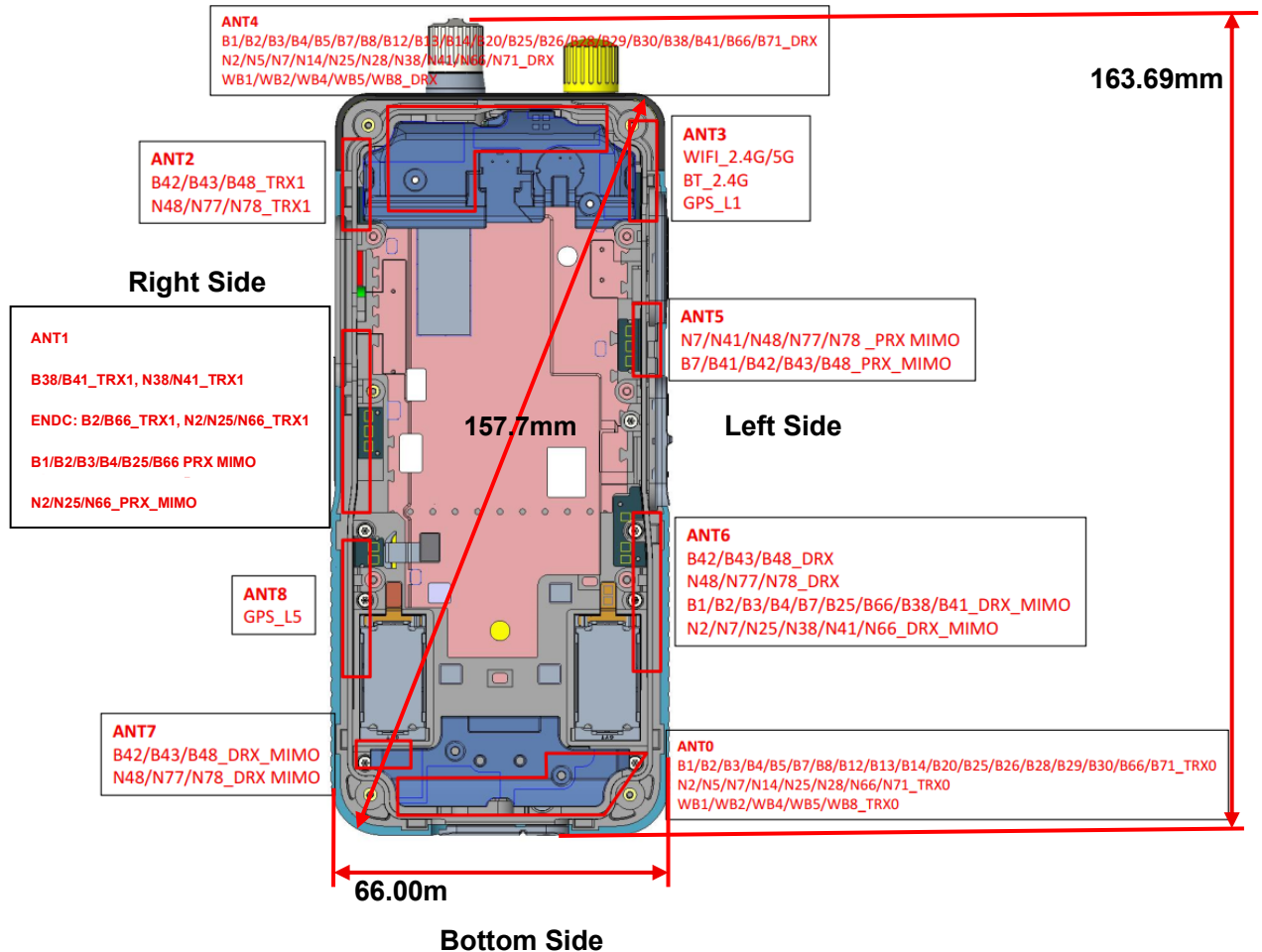


$$\text{Duty cycle} = \text{on time} / \text{total time} = (2.02899 / 2.06522) * 100\% = 98.25\%$$

11. Simultaneous TX SAR Considerations

11.1. Transmit Antenna Position and Size

Top Side



Picture 11.1 Antenna Locations (Back View)

Note:

Antenna	Frequency Bands
Ant.0	TX: WCDMA Band 1/2/4/5/8, LTE Band 1/2/3/4/5/7/8/12/13/14/20/25/26/28/29/30/66/71, NR n2/5/7/8/14/25/28/66/71
Ant.1	TX: LTE Band 38/41, NR n38/41; ENDC: LTE Band 2/66, NR n2/25/66
Ant.2	TX: LTE Band 42/43/48, NR n77/78
Ant.3	TX: WLAN 2.4GHz/5GHz, Bluetooth; GNSS_L1
Ant.4	RX
Ant.5	RX
Ant.6	RX
Ant.7	RX
Ant.8	GNSS_L5

UL ENDC list:

Band	LTE TX Band	LTE TX Ant.	NR TX Band	NR TX Ant.
DC_12A_n2A	Band 12	0	n2	0&1
DC_12A_n66A	Band 12	0	n66	0&1
DC_12A_n77A	Band 12	0	n77	2
DC_14A_n2A	Band 14	0	n2	0&1
DC_14A_n66A	Band 14	0	n66	0&1
DC_14A_n77A	Band 14	0	n77	2
DC_2A_n5A	Band 2	0&1	n5	0
DC_2A_n66A	Band 2	0	n66	0&1
DC_2A_n77A	Band 2	0	n77	2
DC_5A_n2A	Band 5	0	n2	0&1
DC_5A_n66A	Band 5	0	n66	0&1
DC_5A_n77A	Band 5	0	n77	2
DC_66A_n2A	Band 66	0	n2	0&1
DC_66A_n5A	Band 66	0&1	n5	0
DC_66A_n77A	Band 66	0	n77	2
DC_66A_n7A	Band 66	0&1	n7	0
DC_7A_n2A	Band 7	0	n2	0&1
DC_2A_n7A	Band 2	0&1	n7	0
DC_7A_n66A	Band 7	0	n66	0&1
DC_7A_n77A	Band 7	0	n77	2
DC_66A_n71A	Band 66	0&1	n71	0
DC_2A_n71A	Band 2	0&1	n71	0
DC_2A_n41A	Band 2	0	n41	1
DC_66A_n41A	Band 66	0	n41	1
DC_66A_n25A	Band 66	0	n25	0&1
DC_13A_n77A	Band 13	0	n77	2
DC_13A_n2A	Band 13	0	n2	0&1
DC_13A_n66A	Band 13	0	n66	0&1

DC_5A_n78A	Band 5	0	n78	2
DC_7A_n78A	Band 7	0	n78	2
DC_48A_n5A	Band 48	2	n5	0
DC_71A_n2A	Band 71	0	n2	0&1
DC_71A_n38A	Band 71	0	n38	1
DC_71A_n41A	Band 71	0	n41	1
DC_71A_n66A	Band 71	0	n66	0&1
DC_71A_n77A	Band 71	0	n77	2
DC_71A_n78A	Band 71	0	n78	2
DC_12A_n25A	Band 12	0	n25	0&1
DC_12A_n38A	Band 12	0	n38	1
DC_12A_n41A	Band 12	0	n41	1
DC_12A_n78A	Band 12	0	n78	2
DC_13A_n25A	Band 13	0	n25	0&1
DC_13A_n78A	Band 13	0	n78	2
DC_30A_n77A	Band 30	0	n77	2
DC_25A_n41A	Band 25	0	n41	1
DC_25A_n77A	Band 25	0	n77	2
DC_25A_n78A	Band 25	0	n78	2
DC_26A_n25A	Band 26	0	n25	0&1
DC_26A_n41A	Band 26	0	n41	1
DC_2A_n38A	Band 2	0	n38	1
DC_2A_n78A	Band 2	0	n78	2
DC_48A_n66A	Band 48	2	n66	0
DC_4A_n38A	Band 4	0	n38	1
DC_4A_n41A	Band 4	0	n41	1
DC_5A_n38A	Band 5	0	n38	1
DC_5A_n41A	Band 5	0	n41	1
DC_66A_n78A	Band 66	0	n78	2
DC_66A_n38A	Band 66	0	n38	1
DC_30A_n66A	Band 30	0	n66	0&1
DC_30A_n2A	Band 30	0	n2	0&1

Note: The DUT does not support simultaneous transmission different bands on same antenna.

11.2. SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR, the edges with less than 25mm distance to the antennas need to be tested for SAR.

SAR measurement positions						
Antenna	Front	Rear	Left Side	Right Side	Top Side	Bottom Side
0	Yes	Yes	Yes	Yes	No	Yes
1	Yes	Yes	No	Yes	No	No
2	Yes	Yes	No	Yes	Yes	No
3	Yes	Yes	Yes	No	Yes	No

11.3. Evaluation of Simultaneous

No.	Simultaneous Transmission Configuration
1	WLAN 5GHz + Bluetooth
2	WWAN + Bluetooth
3	WWAN + WLAN 2.4GHz
4	WWAN + WLAN 5GHz
5	WWAN + WLAN 5GHz + Bluetooth

[illegible]

Table 11.2: Maximum Simultaneous Transmission SAR

/	Position	Sum (W/kg)
Highest reported SAR value for Head	Left Cheek (DC_13A_n77A + WLAN 5GHz + Bluetooth, DC_13A_n78A + WLAN 5GHz + Bluetooth)	1.56
	Left Cheek (DC_13A_n77A + Bluetooth, DC_13A_n78A + Bluetooth)	1.39
Highest reported SAR value for Hotspot	Rear Side (DC_2A_n66A + WLAN 5GHz + Bluetooth, DC_66A_n7A + WLAN 5GHz + Bluetooth)	1.57
	Rear Side (DC_2A_n66A + Bluetooth, DC_66A_n7A + Bluetooth)	1.44
Highest reported SAR value for Body-worn	Rear Side (DC_2A_n66A + WLAN 5GHz + Bluetooth, DC_66A_n7A + WLAN 5GHz + Bluetooth)	1.57
	Rear Side (DC_2A_n66A + Bluetooth, DC_66A_n7A + Bluetooth)	1.44

Note: The test positions of above tables are for the worse case that has been evaluated.

Conclusion:

According to the above tables, the sum of reported SAR values is less than limit. So the simultaneous transmission SAR with volume scans is not required.

12. Summary of Test Results

According to the client's decision rule in the test registration form, which is "based on the measurement results as the basis of the conformity statement", the test conclusion of this report meets the limit requirements.

The calculated SAR is obtained by the following formula:

$$\text{Calculated SAR} = \text{Measured SAR} \times 10^{(P_{\text{Target}} - P_{\text{Measured}})/10}$$

Where P_{Target} is the power of manufacturing upper limit;

P_{Measured} is the measured power in chapter 10.

General Note:

1. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.

a. WLAN5GHz U-NII-2A and U-NII-2C tested the product specific 10g SAR since it has no hotspot mode.

b. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.

2. The device support dual SIMs, SIM1 was used for the all configuration SAR testing and eSIM test the worst case SAR of SIM1.

2. C2: Configuration2

Duty Cycle

Mode	Duty Cycle
WCDMA	1:1
FDD_LTE	1:1
TDD_LTE	1:1.58 / 1:2.31
NR FR1	1:1
Bluetooth	1:1.30
WLAN 2.4GHz	1:1.01
WLAN 5GHz	1:1.02

12.1. Testing Environment

Temperature:	18°C~25°C
Relative humidity:	30%~70%
Ambient noise & Reflection:	< 0.012 W/kg

12.2. Test Results

Table 12.1: WCDMA Band 2 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	WCDMA Band 2	9262	1852.4	RMC	Left Cheek	0mm	\	1	20.56	21.50	0.146	0.18	0.090	0.11	0.09
0	B1	Head	WCDMA Band 2	9262	1852.4	RMC	Left Tilt	0mm	\	\	20.56	21.50	0.054	0.07	0.033	0.04	-0.18
0	B1	Head	WCDMA Band 2	9262	1852.4	RMC	Right Cheek	0mm	\	\	20.56	21.50	0.110	0.14	0.072	0.09	0.16
0	B1	Head	WCDMA Band 2	9262	1852.4	RMC	Right Tilt	0mm	\	\	20.56	21.50	0.034	0.04	0.023	0.03	0.10
0	B1	Head	WCDMA Band 2	9262	1852.4	RMC	Left Cheek	0mm	C2	\	20.56	21.50	0.097	0.12	0.064	0.08	-0.18
0	B1	Hotspot / Body-Worn	WCDMA Band 2	9262	1852.4	RMC	Front	10mm	\	\	20.56	21.50	0.330	0.41	0.207	0.26	-0.13
0	B1	Hotspot / Body-Worn	WCDMA Band 2	9262	1852.4	RMC	Rear	10mm	\	2	20.56	21.50	0.627	0.78	0.360	0.45	0.04
0	A1	Hotspot	WCDMA Band 2	9262	1852.4	RMC	Left	10mm	\	\	22.42	23.50	0.328	0.42	0.204	0.26	0.10
0	A1	Hotspot	WCDMA Band 2	9262	1852.4	RMC	Right	10mm	\	\	22.42	23.50	0.080	0.10	0.052	0.07	-0.13
0	B1	Hotspot	WCDMA Band 2	9262	1852.4	RMC	Bottom	10mm	\	\	20.56	21.50	0.409	0.51	0.244	0.30	0.04
0	B1	Hotspot	WCDMA Band 2	9262	1852.4	RMC	Rear	10mm	C2	\	20.56	21.50	0.515	0.64	0.272	0.34	0.04
0	A1	Hotspot / Body-Worn	WCDMA Band 2	9262	1852.4	RMC	Front	19mm	\	\	22.42	23.50	0.307	0.39	0.191	0.24	0.06
0	A1	Hotspot / Body-Worn	WCDMA Band 2	9262	1852.4	RMC	Rear	19mm	\	\	22.42	23.50	0.475	0.61	0.285	0.37	0.12
0	A1	Hotspot	WCDMA Band 2	9262	1852.4	RMC	Bottom	19mm	\	\	22.42	23.50	0.395	0.51	0.235	0.30	0.05

Table 12.2: WCDMA Band 4 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	WCDMA Band 4	1312	1712.4	RMC	Left Cheek	0mm	\	\	20.97	21.50	0.135	0.15	0.089	0.10	0.16
0	B1	Head	WCDMA Band 4	1312	1712.4	RMC	Left Tilt	0mm	\	\	20.97	21.50	0.065	0.07	0.043	0.05	0.11
0	B1	Head	WCDMA Band 4	1312	1712.4	RMC	Right Cheek	0mm	\	3	20.97	21.50	0.172	0.19	0.105	0.12	0.12
0	B1	Head	WCDMA Band 4	1312	1712.4	RMC	Right Tilt	0mm	\	\	20.97	21.50	0.079	0.09	0.051	0.06	-0.07
0	B1	Head	WCDMA Band 4	1312	1712.4	RMC	Right Cheek	0mm	C2	\	20.97	21.50	0.117	0.13	0.073	0.08	-0.10
0	B1	Hotspot / Body-Worn	WCDMA Band 4	1312	1712.4	RMC	Front	10mm	\	\	20.97	21.50	0.356	0.40	0.228	0.26	0.00
0	B1	Hotspot / Body-Worn	WCDMA Band 4	1312	1712.4	RMC	Rear	10mm	\	4	20.97	21.50	0.689	0.78	0.409	0.46	-0.17
0	A1	Hotspot	WCDMA Band 4	1312	1712.4	RMC	Left	10mm	\	\	22.81	23.50	0.282	0.33	0.188	0.22	-0.16
0	A1	Hotspot	WCDMA Band 4	1312	1712.4	RMC	Right	10mm	\	\	22.81	23.50	0.053	0.06	0.033	0.04	-0.14
0	B1	Hotspot	WCDMA Band 4	1312	1712.4	RMC	Bottom	10mm	\	\	20.97	21.50	0.576	0.65	0.344	0.39	0.08
0	B1	Hotspot	WCDMA Band 4	1312	1712.4	RMC	Rear	10mm	eSIM	\	20.97	21.50	0.677	0.76	0.391	0.44	0.04
0	B1	Hotspot	WCDMA Band 4	1312	1712.4	RMC	Rear	10mm	C2	\	20.97	21.50	0.626	0.71	0.295	0.33	-0.11
0	A1	Hotspot / Body-Worn	WCDMA Band 4	1312	1712.4	RMC	Front	19mm	\	\	22.81	23.50	0.330	0.39	0.204	0.24	0.06
0	A1	Hotspot / Body-Worn	WCDMA Band 4	1312	1712.4	RMC	Rear	19mm	\	\	22.81	23.50	0.595	0.70	0.354	0.41	0.13
0	A1	Hotspot	WCDMA Band 4	1312	1712.4	RMC	Bottom	19mm	\	\	22.81	23.50	0.496	0.58	0.298	0.35	-0.05

Table 12.3: WCDMA Band 5 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	WCDMA Band 5	4183	836.6	RMC	Left Cheek	0mm	\	\	22.97	24.00	0.529	0.67	0.389	0.49	0.07
0	B1	Head	WCDMA Band 5	4183	836.6	RMC	Left Tilt	0mm	\	\	22.97	24.00	0.349	0.44	0.263	0.33	0.01
0	B1	Head	WCDMA Band 5	4183	836.6	RMC	Right Cheek	0mm	\	5	22.97	24.00	0.624	0.79	0.450	0.57	-0.17
0	B1	Head	WCDMA Band 5	4183	836.6	RMC	Right Tilt	0mm	\	\	22.97	24.00	0.385	0.49	0.291	0.37	0.07
0	B1	Head	WCDMA Band 5	4183	836.6	RMC	Right Cheek	0mm	C2	\	22.97	24.00	0.515	0.65	0.372	0.47	0.01
0	B1	Hotspot / Body-Worn	WCDMA Band 5	4183	836.6	RMC	Front	10mm	\	\	22.97	24.00	0.421	0.53	0.306	0.39	-0.06
0	B1	Hotspot / Body-Worn	WCDMA Band 5	4183	836.6	RMC	Rear	10mm	\	6	22.97	24.00	0.451	0.57	0.329	0.42	0.17
0	A1	Hotspot	WCDMA Band 5	4183	836.6	RMC	Left	10mm	\	\	22.97	24.00	0.163	0.21	0.113	0.14	0.03
0	A1	Hotspot	WCDMA Band 5	4183	836.6	RMC	Right	10mm	\	\	22.97	24.00	0.210	0.27	0.148	0.19	0.03
0	B1	Hotspot	WCDMA Band 5	4183	836.6	RMC	Bottom	10mm	\	\	22.97	24.00	0.106	0.13	0.062	0.08	0.10
0	B1	Hotspot / Body-Worn	WCDMA Band 5	4183	836.6	RMC	Rear	10mm	C2	\	22.97	24.00	0.403	0.51	0.288	0.37	0.06

Table 12.4: LTE Band 2 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	B2	Head	LTE Band 2	18700	1860.0	1RB50	Left Cheek	0mm	\	\	15.26	15.50	0.188	0.20	0.108	0.11	0.00
1	B2	Head	LTE Band 2	18700	1860.0	50RB0	Left Cheek	0mm	\	\	15.28	15.50	0.185	0.19	0.110	0.12	0.15
1	B2	Head	LTE Band 2	18700	1860.0	1RB50	Left Tilt	0mm	\	\	15.26	15.50	0.040	0.04	0.023	0.02	-0.17
1	B2	Head	LTE Band 2	18700	1860.0	50RB0	Left Tilt	0mm	\	\	15.28	15.50	0.040	0.04	0.024	0.02	0.09
1	B2	Head	LTE Band 2	18700	1860.0	1RB50	Right Cheek	0mm	\	\	15.26	15.50	0.266	0.28	0.142	0.15	0.00
1	B2	Head	LTE Band 2	18700	1860.0	50RB0	Right Cheek	0mm	\	\	15.28	15.50	0.272	0.29	0.146	0.15	0.12
1	B2	Head	LTE Band 2	18700	1860.0	1RB50	Right Tilt	0mm	\	\	15.26	15.50	0.035	0.04	0.021	0.02	-0.04
1	B2	Head	LTE Band 2	18700	1860.0	50RB0	Right Tilt	0mm	\	\	15.28	15.50	0.036	0.04	0.021	0.02	-0.16
1	B2	Head	LTE Band 2	18700	1860.0	50RB0	Right Cheek	0mm	C2	7	15.26	15.50	0.306	0.32	0.156	0.16	-0.09
1	B2	Hotspot / Body-Worn	LTE Band 2	18700	1860.0	1RB50	Front	10mm	\	\	15.26	15.50	0.058	0.06	0.036	0.04	-0.19
1	B2	Hotspot / Body-Worn	LTE Band 2	18700	1860.0	50RB0	Front	10mm	\	\	15.28	15.50	0.063	0.07	0.039	0.04	0.09
1	B2	Hotspot / Body-Worn	LTE Band 2	18700	1860.0	1RB50	Rear	10mm	\	\	15.26	15.50	0.065	0.07	0.043	0.05	-0.13
1	B2	Hotspot / Body-Worn	LTE Band 2	18700	1860.0	50RB0	Rear	10mm	\	\	15.28	15.50	0.071	0.07	0.047	0.05	0.12
1	B2	Hotspot	LTE Band 2	18700	1860.0	1RB50	Right	10mm	\	\	15.26	15.50	0.058	0.06	0.035	0.04	0.13
1	B2	Hotspot	LTE Band 2	18700	1860.0	50RB0	Right	10mm	\	\	15.28	15.50	0.059	0.06	0.036	0.04	0.10
1	B2	Hotspot	LTE Band 2	18700	1860.0	50RB0	Rear	10mm	C2	\	15.26	15.50	0.059	0.06	0.039	0.04	0.00
1	A2	Hotspot / Body-Worn	LTE Band 2	18700	1860.0	1RB50	Front	19mm	\	\	23.19	23.50	0.112	0.12	0.073	0.08	-0.09
1	A2	Hotspot / Body-Worn	LTE Band 2	18700	1860.0	50RB0	Front	19mm	\	\	22.26	22.50	0.108	0.11	0.066	0.07	-0.17
1	A2	Hotspot / Body-Worn	LTE Band 2	18700	1860.0	1RB50	Rear	19mm	\	8	23.19	23.50	0.167	0.18	0.112	0.12	0.14
1	A2	Hotspot / Body-Worn	LTE Band 2	18700	1860.0	50RB0	Rear	19mm	\	\	22.26	22.50	0.155	0.16	0.101	0.11	0.18
1	A2	Hotspot	LTE Band 2	18700	1860.0	1RB50	Right	25mm	\	\	23.19	23.50	0.120	0.13	0.074	0.08	-0.18
1	A2	Hotspot	LTE Band 2	18700	1860.0	50RB0	Right	25mm	\	\	22.26	22.50	0.109	0.12	0.070	0.07	-0.06

Table 12.5: LTE Band 7 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	LTE Band 7	21350	2560.0	1RB99	Left Cheek	0mm	\	9	22.70	23.00	0.290	0.31	0.157	0.17	0.03
0	B1	Head	LTE Band 7	21350	2560.0	50RB25	Left Cheek	0mm	\	\	21.72	22.00	0.217	0.23	0.117	0.12	0.17
0	B1	Head	LTE Band 7	21350	2560.0	1RB99	Left Tilt	0mm	\	\	22.70	23.00	0.068	0.07	0.040	0.04	-0.18
0	B1	Head	LTE Band 7	21350	2560.0	50RB25	Left Tilt	0mm	\	\	21.72	22.00	0.052	0.06	0.029	0.03	-0.14
0	B1	Head	LTE Band 7	21350	2560.0	1RB99	Right Cheek	0mm	\	\	22.70	23.00	0.244	0.26	0.135	0.14	0.07
0	B1	Head	LTE Band 7	21350	2560.0	50RB25	Right Cheek	0mm	\	\	21.72	22.00	0.182	0.19	0.100	0.11	0.18
0	B1	Head	LTE Band 7	21350	2560.0	1RB99	Right Tilt	0mm	\	\	22.70	23.00	0.076	0.08	0.046	0.05	-0.19
0	B1	Head	LTE Band 7	21350	2560.0	50RB25	Right Tilt	0mm	\	\	21.72	22.00	0.062	0.07	0.035	0.04	-0.12
0	B1	Head	LTE Band 7	21350	2560.0	1RB99	Left Cheek	0mm	C2	\	22.70	23.00	0.215	0.23	0.111	0.12	-0.10
0	B1	Hotspot / Body-Worn	LTE Band 7	21350	2560.0	1RB99	Front	10mm	\	\	22.70	23.00	0.395	0.42	0.228	0.24	-0.15
0	B1	Hotspot / Body-Worn	LTE Band 7	21350	2560.0	50RB25	Front	10mm	\	\	21.72	22.00	0.325	0.35	0.186	0.20	0.02
0	B1	Hotspot / Body-Worn	LTE Band 7	21350	2560.0	1RB99	Rear	10mm	\	10	22.70	23.00	0.589	0.63	0.302	0.32	-0.02
0	B1	Hotspot / Body-Worn	LTE Band 7	21350	2560.0	50RB25	Rear	10mm	\	\	21.72	22.00	0.486	0.52	0.252	0.27	-0.12
0	A1	Hotspot	LTE Band 7	21350	2560.0	1RB99	Left	10mm	\	\	22.70	23.00	0.236	0.25	0.134	0.14	-0.18
0	A1	Hotspot	LTE Band 7	21350	2560.0	50RB25	Left	10mm	\	\	21.72	22.00	0.198	0.21	0.112	0.12	0.07
0	A1	Hotspot	LTE Band 7	21350	2560.0	1RB99	Right	10mm	\	\	22.70	23.00	0.183	0.20	0.103	0.11	0.02
0	A1	Hotspot	LTE Band 7	21350	2560.0	50RB25	Right	10mm	\	\	21.72	22.00	0.139	0.15	0.079	0.08	0.06
0	B1	Hotspot	LTE Band 7	21350	2560.0	1RB99	Bottom	10mm	\	\	22.70	23.00	0.478	0.51	0.254	0.27	0.03
0	B1	Hotspot	LTE Band 7	21350	2560.0	50RB25	Bottom	10mm	\	\	21.72	22.00	0.424	0.45	0.221	0.24	0.07
0	B1	Hotspot / Body-Worn	LTE Band 7	21350	2560.0	1RB99	Rear	10mm	C2	\	22.70	23.00	0.471	0.50	0.238	0.26	0.05

Table 12.6: LTE Band 12 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	LTE Band 12	23130	711.0	1RB49	Left Cheek	0mm	\	\	23.74	24.00	0.343	0.36	0.262	0.28	-0.01
0	B1	Head	LTE Band 12	23060	704.0	25RB25	Left Cheek	0mm	\	\	22.86	23.00	0.274	0.28	0.207	0.21	0.06
0	B1	Head	LTE Band 12	23130	711.0	1RB49	Left Tilt	0mm	\	\	23.74	24.00	0.258	0.27	0.199	0.21	-0.12
0	B1	Head	LTE Band 12	23060	704.0	25RB25	Left Tilt	0mm	\	\	22.86	23.00	0.198	0.20	0.151	0.16	-0.01
0	B1	Head	LTE Band 12	23130	711.0	1RB49	Right Cheek	0mm	\	11	23.74	24.00	0.392	0.42	0.288	0.31	0.09
0	B1	Head	LTE Band 12	23060	704.0	25RB25	Right Cheek	0mm	\	\	22.86	23.00	0.313	0.32	0.230	0.24	-0.16
0	B1	Head	LTE Band 12	23130	711.0	1RB49	Right Tilt	0mm	\	\	23.74	24.00	0.255	0.27	0.192	0.20	-0.09
0	B1	Head	LTE Band 12	23060	704.0	25RB25	Right Tilt	0mm	\	\	22.86	23.00	0.198	0.20	0.148	0.15	0.19
0	B1	Head	LTE Band 12	23130	711.0	1RB49	Right Cheek	0mm	C2	\	23.74	24.00	0.283	0.30	0.196	0.21	0.18
0	B1	Hotspot / Body-Worn	LTE Band 12	23130	711.0	1RB49	Front	10mm	\	\	23.74	24.00	0.327	0.35	0.194	0.21	-0.13
0	B1	Hotspot / Body-Worn	LTE Band 12	23060	704.0	25RB25	Front	10mm	\	\	22.86	23.00	0.269	0.28	0.161	0.17	-0.10
0	B1	Hotspot / Body-Worn	LTE Band 12	23130	711.0	1RB49	Rear	10mm	\	12	23.74	24.00	0.359	0.38	0.214	0.23	0.11
0	B1	Hotspot / Body-Worn	LTE Band 12	23060	704.0	25RB25	Rear	10mm	\	\	22.86	23.00	0.329	0.34	0.194	0.20	-0.08
0	A1	Hotspot	LTE Band 12	23130	711.0	1RB49	Left	10mm	\	\	23.74	24.00	0.230	0.24	0.134	0.14	-0.13
0	A1	Hotspot	LTE Band 12	23060	704.0	25RB25	Left	10mm	\	\	22.86	23.00	0.198	0.20	0.115	0.12	-0.08
0	A1	Hotspot	LTE Band 12	23130	711.0	1RB49	Right	10mm	\	\	23.74	24.00	0.323	0.34	0.187	0.20	-0.11
0	A1	Hotspot	LTE Band 12	23060	704.0	25RB25	Right	10mm	\	\	22.86	23.00	0.274	0.28	0.160	0.17	0.11
0	B1	Hotspot	LTE Band 12	23130	711.0	1RB49	Bottom	10mm	\	\	23.74	24.00	0.115	0.12	0.054	0.06	0.18
0	B1	Hotspot	LTE Band 12	23060	704.0	25RB25	Bottom	10mm	\	\	22.86	23.00	0.080	0.08	0.038	0.04	0.06
0	B1	Hotspot / Body-Worn	LTE Band 12	23130	711.0	1RB49	Rear	10mm	C2	\	23.74	24.00	0.358	0.38	0.259	0.27	-0.06

Table 12.7: LTE Band 13 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	LTE Band 13	23230	782.0	1RB24	Left Cheek	0mm	\	\	23.75	24.00	0.426	0.45	0.325	0.34	0.12
0	B1	Head	LTE Band 13	23230	782.0	25RB12	Left Cheek	0mm	\	\	22.83	23.00	0.348	0.36	0.265	0.28	0.18
0	B1	Head	LTE Band 13	23230	782.0	1RB24	Left Tilt	0mm	\	\	23.75	24.00	0.325	0.34	0.249	0.26	-0.14
0	B1	Head	LTE Band 13	23230	782.0	25RB12	Left Tilt	0mm	\	\	22.83	23.00	0.267	0.28	0.204	0.21	-0.02
0	B1	Head	LTE Band 13	23230	782.0	1RB24	Right Cheek	0mm	\	13	23.75	24.00	0.503	0.53	0.364	0.39	0.05
0	B1	Head	LTE Band 13	23230	782.0	25RB12	Right Cheek	0mm	\	\	22.83	23.00	0.405	0.42	0.294	0.31	0.06
0	B1	Head	LTE Band 13	23230	782.0	1RB24	Right Tilt	0mm	\	\	23.75	24.00	0.325	0.34	0.244	0.26	0.05
0	B1	Head	LTE Band 13	23230	782.0	25RB12	Right Tilt	0mm	\	\	22.83	23.00	0.266	0.28	0.199	0.21	0.19
0	B1	Head	LTE Band 13	23230	782.0	1RB24	Right Cheek	0mm	C2	\	23.75	24.00	0.383	0.41	0.263	0.28	-0.09
0	B1	Hotspot / Body-Worn	LTE Band 13	23230	782.0	1RB24	Front	10mm	\	\	23.75	24.00	0.424	0.45	0.310	0.33	0.00
0	B1	Hotspot / Body-Worn	LTE Band 13	23230	782.0	25RB12	Front	10mm	\	\	22.83	23.00	0.341	0.35	0.249	0.26	0.19
0	B1	Hotspot / Body-Worn	LTE Band 13	23230	782.0	1RB24	Rear	10mm	\	14	23.75	24.00	0.538	0.57	0.396	0.42	-0.13
0	B1	Hotspot / Body-Worn	LTE Band 13	23230	782.0	25RB12	Rear	10mm	\	\	22.83	23.00	0.438	0.46	0.318	0.33	-0.18
0	A1	Hotspot	LTE Band 13	23230	782.0	1RB24	Left	10mm	\	\	23.75	24.00	0.239	0.25	0.168	0.18	0.15
0	A1	Hotspot	LTE Band 13	23230	782.0	25RB12	Left	10mm	\	\	22.83	23.00	0.158	0.16	0.112	0.12	-0.08
0	A1	Hotspot	LTE Band 13	23230	782.0	1RB24	Right	10mm	\	\	23.75	24.00	0.355	0.38	0.251	0.27	0.00
0	A1	Hotspot	LTE Band 13	23230	782.0	25RB12	Right	10mm	\	\	22.83	23.00	0.264	0.27	0.188	0.20	-0.09
0	B1	Hotspot	LTE Band 13	23230	782.0	1RB24	Bottom	10mm	\	\	23.75	24.00	0.177	0.19	0.101	0.11	0.02
0	B1	Hotspot	LTE Band 13	23230	782.0	25RB12	Bottom	10mm	\	\	22.83	23.00	0.132	0.14	0.078	0.08	0.15
0	B1	Hotspot / Body-Worn	LTE Band 13	23230	782.0	1RB24	Rear	10mm	C2	\	23.75	24.00	0.478	0.51	0.332	0.35	0.16

Table 12.8: LTE Band 14 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	LTE Band 14	23330	793.0	1RB24	Left Cheek	0mm	\	\	23.77	24.00	0.388	0.41	0.295	0.31	0.10
0	B1	Head	LTE Band 14	23330	793.0	25RB25	Left Cheek	0mm	\	\	22.78	23.00	0.305	0.32	0.235	0.25	-0.05
0	B1	Head	LTE Band 14	23330	793.0	1RB24	Left Tilt	0mm	\	\	23.77	24.00	0.291	0.31	0.224	0.24	-0.07
0	B1	Head	LTE Band 14	23330	793.0	25RB25	Left Tilt	0mm	\	\	22.78	23.00	0.234	0.25	0.179	0.19	-0.15
0	B1	Head	LTE Band 14	23330	793.0	1RB24	Right Cheek	0mm	\	15	23.77	24.00	0.464	0.49	0.337	0.36	0.01
0	B1	Head	LTE Band 14	23330	793.0	25RB25	Right Cheek	0mm	\	\	22.78	23.00	0.363	0.38	0.265	0.28	-0.10
0	B1	Head	LTE Band 14	23330	793.0	1RB24	Right Tilt	0mm	\	\	23.77	24.00	0.301	0.32	0.227	0.24	-0.04
0	B1	Head	LTE Band 14	23330	793.0	25RB25	Right Tilt	0mm	\	\	22.78	23.00	0.239	0.25	0.180	0.19	-0.09
0	B1	Head	LTE Band 14	23330	793.0	1RB24	Right Cheek	0mm	C2	\	23.77	24.00	0.352	0.37	0.242	0.26	0.14
0	B1	Hotspot / Body-Worn	LTE Band 14	23330	793.0	1RB24	Front	10mm	\	\	23.77	24.00	0.368	0.39	0.271	0.29	0.00
0	B1	Hotspot / Body-Worn	LTE Band 14	23330	793.0	25RB25	Front	10mm	\	\	22.78	23.00	0.302	0.32	0.222	0.23	-0.12
0	B1	Hotspot / Body-Worn	LTE Band 14	23330	793.0	1RB24	Rear	10mm	\	16	23.77	24.00	0.465	0.49	0.343	0.36	0.12
0	B1	Hotspot / Body-Worn	LTE Band 14	23330	793.0	25RB25	Rear	10mm	\	\	22.78	23.00	0.365	0.38	0.271	0.29	0.12
0	A1	Hotspot	LTE Band 14	23330	793.0	1RB24	Left	10mm	\	\	23.77	24.00	0.177	0.19	0.125	0.13	-0.01
0	A1	Hotspot	LTE Band 14	23330	793.0	25RB25	Left	10mm	\	\	22.78	23.00	0.124	0.13	0.089	0.09	0.07
0	A1	Hotspot	LTE Band 14	23330	793.0	1RB24	Right	10mm	\	\	23.77	24.00	0.308	0.32	0.221	0.23	0.04
0	A1	Hotspot	LTE Band 14	23330	793.0	25RB25	Right	10mm	\	\	22.78	23.00	0.270	0.28	0.196	0.21	0.02
0	B1	Hotspot	LTE Band 14	23330	793.0	1RB24	Bottom	10mm	\	\	23.77	24.00	0.181	0.19	0.105	0.11	0.19
0	B1	Hotspot	LTE Band 14	23330	793.0	25RB25	Bottom	10mm	\	\	22.78	23.00	0.144	0.15	0.084	0.09	0.09
0	B1	Hotspot / Body-Worn	LTE Band 14	23330	793.0	1RB24	Rear	10mm	C2	\	23.77	24.00	0.395	0.42	0.276	0.29	-0.02

Table 12.9: LTE Band 25 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	LTE Band 25	26140	1860.0	1RB0	Left Cheek	0mm	\	17	19.96	20.50	0.126	0.14	0.078	0.09	-0.09
0	B1	Head	LTE Band 25	26365	1882.5	50RB0	Left Cheek	0mm	\	\	20.08	20.50	0.110	0.12	0.067	0.07	0.03
0	B1	Head	LTE Band 25	26140	1860.0	1RB0	Left Tilt	0mm	\	\	19.96	20.50	0.047	0.05	0.030	0.03	0.13
0	B1	Head	LTE Band 25	26365	1882.5	50RB0	Left Tilt	0mm	\	\	20.08	20.50	0.030	0.03	0.018	0.02	-0.15
0	B1	Head	LTE Band 25	26140	1860.0	1RB0	Right Cheek	0mm	\	\	19.96	20.50	0.091	0.10	0.058	0.07	0.04
0	B1	Head	LTE Band 25	26365	1882.5	50RB0	Right Cheek	0mm	\	\	20.08	20.50	0.074	0.08	0.048	0.05	0.09
0	B1	Head	LTE Band 25	26140	1860.0	1RB0	Right Tilt	0mm	\	\	19.96	20.50	0.049	0.06	0.028	0.03	-0.15
0	B1	Head	LTE Band 25	26365	1882.5	50RB0	Right Tilt	0mm	\	\	20.08	20.50	0.026	0.03	0.016	0.02	0.02
0	B1	Head	LTE Band 25	26140	1860.0	1RB0	Left Cheek	0mm	C2	\	19.96	20.50	0.094	0.11	0.054	0.06	-0.09
0	B1	Hotspot / Body-Worn	LTE Band 25	26140	1860.0	1RB0	Front	10mm	\	\	19.96	20.50	0.290	0.33	0.177	0.20	-0.19
0	B1	Hotspot / Body-Worn	LTE Band 25	26365	1882.5	50RB0	Front	10mm	\	\	20.08	20.50	0.274	0.30	0.168	0.19	-0.01
0	B1	Hotspot / Body-Worn	LTE Band 25	26140	1860.0	1RB0	Rear	10mm	\	18	19.96	20.50	0.564	0.64	0.312	0.35	-0.18
0	B1	Hotspot / Body-Worn	LTE Band 25	26365	1882.5	50RB0	Rear	10mm	\	\	20.08	20.50	0.539	0.59	0.302	0.33	-0.15
0	A1	Hotspot	LTE Band 25	26140	1860.0	1RB0	Left	10mm	\	\	23.02	23.50	0.201	0.22	0.120	0.13	0.12
0	A1	Hotspot	LTE Band 25	26365	1882.5	50RB0	Left	10mm	\	\	22.12	22.50	0.222	0.24	0.133	0.15	-0.16
0	A1	Hotspot	LTE Band 25	26140	1860.0	1RB0	Right	10mm	\	\	23.02	23.50	0.089	0.10	0.057	0.06	-0.05
0	A1	Hotspot	LTE Band 25	26365	1882.5	50RB0	Right	10mm	\	\	22.12	22.50	0.098	0.11	0.054	0.06	0.18
0	B1	Hotspot	LTE Band 25	26140	1860.0	1RB0	Bottom	10mm	\	\	19.96	20.50	0.432	0.49	0.242	0.27	0.02
0	B1	Hotspot	LTE Band 25	26365	1882.5	50RB0	Bottom	10mm	\	\	20.08	20.50	0.394	0.43	0.222	0.24	-0.10
0	B1	Hotspot / Body-Worn	LTE Band 25	26365	1882.5	1RB0	Rear	10mm	C2	\	19.96	20.50	0.455	0.52	0.254	0.29	-0.10
0	A1	Hotspot / Body-Worn	LTE Band 25	26140	1860.0	1RB0	Front	19mm	\	\	23.02	23.50	0.258	0.29	0.161	0.18	-0.11
0	A1	Hotspot / Body-Worn	LTE Band 25	26365	1882.5	50RB0	Front	19mm	\	\	22.12	22.50	0.224	0.24	0.139	0.15	0.08
0	A1	Hotspot / Body-Worn	LTE Band 25	26140	1860.0	1RB0	Rear	19mm	\	\	23.02	23.50	0.100	0.11	0.060	0.07	-0.06
0	A1	Hotspot / Body-Worn	LTE Band 25	26365	1882.5	50RB0	Rear	19mm	\	\	22.12	22.50	0.365	0.40	0.218	0.24	-0.07
0	A1	Hotspot	LTE Band 25	26140	1860.0	1RB0	Bottom	19mm	\	\	23.02	23.50	0.351	0.39	0.208	0.23	-0.12
0	A1	Hotspot	LTE Band 25	26365	1882.5	50RB0	Bottom	19mm	\	\	22.12	22.50	0.287	0.31	0.171	0.19	0.14

Note: SAR for LTE Band 2 is covered by LTE Band 25 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 12.10: LTE Band 26 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	LTE Band 26	26765	821.5	1RB74	Left Cheek	0mm	\	\	23.65	24.00	0.393	0.43	0.293	0.32	0.07
0	B1	Head	LTE Band 26	26865	831.5	36RB38	Left Cheek	0mm	\	\	22.76	23.00	0.357	0.38	0.267	0.28	-0.11
0	B1	Head	LTE Band 26	26765	821.5	1RB74	Left Tilt	0mm	\	\	23.65	24.00	0.244	0.26	0.183	0.20	-0.01
0	B1	Head	LTE Band 26	26865	831.5	36RB38	Left Tilt	0mm	\	\	22.76	23.00	0.221	0.23	0.166	0.18	-0.16
0	B1	Head	LTE Band 26	26765	821.5	1RB74	Right Cheek	0mm	\	19	23.65	24.00	0.447	0.48	0.322	0.35	0.04
0	B1	Head	LTE Band 26	26865	831.5	36RB38	Right Cheek	0mm	\	\	22.76	23.00	0.359	0.38	0.259	0.27	-0.19
0	B1	Head	LTE Band 26	26765	821.5	1RB74	Right Tilt	0mm	\	\	23.65	24.00	0.248	0.27	0.184	0.20	-0.02
0	B1	Head	LTE Band 26	26865	831.5	36RB38	Right Tilt	0mm	\	\	22.76	23.00	0.200	0.21	0.150	0.16	-0.10
d	B1	Head	LTE Band 26	26765	821.5	1RB74	Right Cheek	0mm	C2	\	23.65	24.00	0.407	0.44	0.282	0.31	-0.06
0	B1	Hotspot / Body-Worn	LTE Band 26	26765	821.5	1RB74	Front	10mm	\	\	23.65	24.00	0.325	0.35	0.237	0.26	0.19
0	B1	Hotspot / Body-Worn	LTE Band 26	26865	831.5	36RB38	Front	10mm	\	\	22.76	23.00	0.280	0.30	0.204	0.22	0.10
0	B1	Hotspot / Body-Worn	LTE Band 26	26765	821.5	1RB74	Rear	10mm	\	20	23.65	24.00	0.362	0.39	0.264	0.29	0.07
0	B1	Hotspot / Body-Worn	LTE Band 26	26865	831.5	36RB38	Rear	10mm	\	\	22.76	23.00	0.311	0.33	0.227	0.24	-0.17
0	A1	Hotspot	LTE Band 26	26765	821.5	1RB74	Left	10mm	\	\	23.65	24.00	0.169	0.18	0.119	0.13	0.13
0	A1	Hotspot	LTE Band 26	26865	831.5	36RB38	Left	10mm	\	\	22.76	23.00	0.130	0.14	0.093	0.10	0.18
0	A1	Hotspot	LTE Band 26	26765	821.5	1RB74	Right	10mm	\	\	23.65	24.00	0.237	0.26	0.168	0.18	0.17
0	A1	Hotspot	LTE Band 26	26865	831.5	36RB38	Right	10mm	\	\	22.76	23.00	0.181	0.19	0.127	0.13	-0.09
0	B1	Hotspot	LTE Band 26	26765	821.5	1RB74	Bottom	10mm	\	\	23.65	24.00	0.110	0.12	0.065	0.07	-0.02
0	B1	Hotspot	LTE Band 26	26865	831.5	36RB38	Bottom	10mm	\	\	22.76	23.00	0.100	0.11	0.058	0.06	-0.17
0	B1	Hotspot / Body-Worn	LTE Band 26	26765	821.5	1RB74	Rear	10mm	C2	\	23.65	24.00	0.354	0.38	0.244	0.26	-0.05

Note: SAR for LTE Band 5 is covered by LTE Band 26 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 12.11: LTE Band 30 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	LTE Band 30	27710	2310.0	1RB24	Left Cheek	0mm	\	\	23.23	23.50	0.296	0.31	0.173	0.18	-0.19
0	B1	Head	LTE Band 30	27710	2310.0	25RB0	Left Cheek	0mm	\	\	22.26	22.50	0.235	0.25	0.137	0.14	-0.18
0	B1	Head	LTE Band 30	27710	2310.0	1RB24	Left Tilt	0mm	\	\	23.23	23.50	0.127	0.14	0.067	0.07	-0.03
0	B1	Head	LTE Band 30	27710	2310.0	25RB0	Left Tilt	0mm	\	\	22.26	22.50	0.107	0.11	0.057	0.06	0.14
0	B1	Head	LTE Band 30	27710	2310.0	1RB24	Right Cheek	0mm	\	21	23.23	23.50	0.370	0.39	0.203	0.22	0.03
0	B1	Head	LTE Band 30	27710	2310.0	25RB0	Right Cheek	0mm	\	\	22.26	22.50	0.301	0.32	0.166	0.18	0.06
0	B1	Head	LTE Band 30	27710	2310.0	1RB24	Right Tilt	0mm	\	\	23.23	23.50	0.077	0.08	0.044	0.05	0.05
0	B1	Head	LTE Band 30	27710	2310.0	25RB0	Right Tilt	0mm	\	\	22.26	22.50	0.062	0.07	0.037	0.04	-0.16
0	B1	Head	LTE Band 30	27710	2310.0	1RB24	Right Cheek	0mm	C2	\	23.23	23.50	0.205	0.22	0.109	0.12	-0.11
0	B1	Hotspot / Body-Worn	LTE Band 30	27710	2310.0	1RB24	Front	10mm	\	\	23.23	23.50	0.339	0.36	0.207	0.22	-0.07
0	B1	Hotspot / Body-Worn	LTE Band 30	27710	2310.0	25RB0	Front	10mm	\	\	22.26	22.50	0.287	0.30	0.175	0.18	-0.10
0	B1	Hotspot / Body-Worn	LTE Band 30	27710	2310.0	1RB24	Rear	10mm	\	\	23.23	23.50	0.474	0.50	0.244	0.26	0.13
0	B1	Hotspot / Body-Worn	LTE Band 30	27710	2310.0	25RB0	Rear	10mm	\	\	22.26	22.50	0.401	0.42	0.208	0.22	0.01
0	A1	Hotspot	LTE Band 30	27710	2310.0	1RB24	Left	10mm	\	\	23.23	23.50	0.205	0.22	0.110	0.12	-0.17
0	A1	Hotspot	LTE Band 30	27710	2310.0	25RB0	Left	10mm	\	\	22.26	22.50	0.163	0.17	0.090	0.09	-0.19
0	A1	Hotspot	LTE Band 30	27710	2310.0	1RB24	Right	10mm	\	\	23.23	23.50	0.175	0.19	0.101	0.11	0.12
0	A1	Hotspot	LTE Band 30	27710	2310.0	25RB0	Right	10mm	\	\	22.26	22.50	0.179	0.19	0.104	0.11	-0.13
0	B1	Hotspot	LTE Band 30	27710	2310.0	1RB24	Bottom	10mm	\	22	23.23	23.50	0.529	0.56	0.290	0.31	-0.10
0	B1	Hotspot	LTE Band 30	27710	2310.0	25RB0	Bottom	10mm	\	\	22.26	22.50	0.455	0.48	0.250	0.26	0.06
0	B1	Hotspot	LTE Band 30	27710	2310.0	1RB24	Bottom	10mm	C2	\	23.23	23.50	0.371	0.39	0.205	0.22	0.09

Table 12.12: LTE Band 66 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	LTE Band 66	132072	1720.0	1RB0	Left Cheek	0mm	\	\	20.21	20.50	0.116	0.12	0.072	0.08	0.14
0	B1	Head	LTE Band 66	132572	1770.0	50RB0	Left Cheek	0mm	\	\	20.28	20.50	0.096	0.10	0.058	0.06	0.06
0	B1	Head	LTE Band 66	132072	1720.0	1RB0	Left Tilt	0mm	\	\	20.21	20.50	0.068	0.07	0.042	0.04	0.12
0	B1	Head	LTE Band 66	132572	1770.0	50RB0	Left Tilt	0mm	\	\	20.28	20.50	0.064	0.07	0.039	0.04	0.16
0	B1	Head	LTE Band 66	132072	1720.0	1RB0	Right Cheek	0mm	\	\	20.21	20.50	0.124	0.13	0.074	0.08	-0.10
0	B1	Head	LTE Band 66	132572	1770.0	50RB0	Right Cheek	0mm	\	\	20.28	20.50	0.099	0.10	0.055	0.06	0.06
0	B1	Head	LTE Band 66	132072	1720.0	1RB0	Right Tilt	0mm	\	\	20.21	20.50	0.055	0.06	0.034	0.04	-0.13
0	B1	Head	LTE Band 66	132572	1770.0	50RB0	Right Tilt	0mm	\	\	20.28	20.50	0.054	0.06	0.032	0.03	-0.11
0	B1	Head	LTE Band 66	132072	1720.0	1RB0	Right Cheek	0mm	C2	\	20.21	20.50	0.081	0.09	0.046	0.05	-0.13
0	B1	Hotspot / Body-Worn	LTE Band 66	132072	1720.0	1RB0	Front	10mm	\	\	20.21	20.50	0.313	0.33	0.198	0.21	0.16
0	B1	Hotspot / Body-Worn	LTE Band 66	132572	1770.0	50RB0	Front	10mm	\	\	20.28	20.50	0.284	0.30	0.149	0.16	0.05
0	B1	Hotspot / Body-Worn	LTE Band 66	132072	1720.0	1RB0	Rear	10mm	\	24	20.21	20.50	0.629	0.67	0.367	0.39	-0.10
0	B1	Hotspot / Body-Worn	LTE Band 66	132572	1770.0	50RB0	Rear	10mm	\	\	20.28	20.50	0.609	0.64	0.292	0.31	-0.17
0	A1	Hotspot	LTE Band 66	132072	1720.0	1RB0	Left	10mm	\	\	22.77	23.50	0.224	0.27	0.145	0.05	-0.05
0	A1	Hotspot	LTE Band 66	132572	1770.0	50RB0	Left	10mm	\	\	21.89	22.50	0.266	0.31	0.141	0.05	0.18
0	A1	Hotspot	LTE Band 66	132072	1720.0	1RB0	Right	10mm	\	\	22.77	23.50	0.132	0.16	0.090	0.03	-0.04
0	A1	Hotspot	LTE Band 66	132572	1770.0	50RB0	Right	10mm	\	\	21.89	22.50	0.113	0.13	0.059	0.02	-0.02
0	B1	Hotspot	LTE Band 66	132072	1720.0	1RB0	Bottom	10mm	\	\	20.21	20.50	0.519	0.55	0.304	0.32	-0.04
0	B1	Hotspot	LTE Band 66	132572	1770.0	50RB0	Bottom	10mm	\	\	20.28	20.50	0.518	0.54	0.253	0.27	0.14
0	B1	Hotspot	LTE Band 66	132322	1745.0	1RB0	Rear	10mm	C2	\	20.21	20.50	0.460	0.49	0.253	0.27	-0.01
0	A1	Hotspot / Body-Worn	LTE Band 66	132072	1720.0	1RB0	Front	19mm	\	\	22.77	23.50	0.310	0.37	0.193	0.23	0.06
0	A1	Hotspot / Body-Worn	LTE Band 66	132572	1770.0	50RB0	Front	19mm	\	\	21.89	22.50	0.217	0.25	0.133	0.15	0.08
0	A1	Hotspot / Body-Worn	LTE Band 66	132072	1720.0	1RB0	Rear	19mm	\	\	22.77	23.50	0.536	0.63	0.320	0.38	-0.19
0	A1	Hotspot / Body-Worn	LTE Band 66	132572	1770.0	50RB0	Rear	19mm	\	\	21.89	22.50	0.404	0.46	0.238	0.27	0.03
0	A1	Hotspot	LTE Band 66	132072	1720.0	1RB0	Bottom	19mm	\	\	22.77	23.50	0.398	0.47	0.240	0.28	-0.16
0	A1	Hotspot	LTE Band 66	132572	1770.0	50RB0	Bottom	19mm	\	\	21.89	22.50	0.330	0.38	0.196	0.23	-0.10
1	B2	Head	LTE Band 66	132322	1745.0	1RB99	Left Cheek	0mm	\	\	15.13	15.50	0.268	0.29	0.147	0.16	0.07
1	B2	Head	LTE Band 66	132572	1770.0	50RB25	Left Cheek	0mm	\	\	15.19	15.50	0.258	0.28	0.142	0.15	0.18
1	B2	Head	LTE Band 66	132322	1745.0	1RB99	Left Tilt	0mm	\	\	15.13	15.50	0.050	0.05	0.029	0.03	0.11
1	B2	Head	LTE Band 66	132572	1770.0	50RB25	Left Tilt	0mm	\	\	15.19	15.50	0.050	0.05	0.028	0.03	0.01
1	B2	Head	LTE Band 66	132322	1745.0	1RB99	Right Cheek	0mm	\	23	15.13	15.50	0.425	0.46	0.218	0.24	0.11
1	B2	Head	LTE Band 66	132572	1770.0	50RB25	Right Cheek	0mm	\	\	15.19	15.50	0.416	0.45	0.210	0.23	-0.18
1	B2	Head	LTE Band 66	132322	1745.0	1RB99	Right Tilt	0mm	\	\	15.13	15.50	0.056	0.06	0.031	0.03	0.08
1	B2	Head	LTE Band 66	132572	1770.0	50RB25	Right Tilt	0mm	\	\	15.19	15.50	0.054	0.06	0.304	0.33	0.08
1	B2	Head	LTE Band 66	132322	1745.0	1RB99	Right Cheek	0mm	C2	\	15.13	15.50	0.331	0.36	0.175	0.19	0.05
1	B2	Hotspot / Body-Worn	LTE Band 66	132322	1745.0	1RB99	Front	10mm	\	\	15.13	15.50	0.087	0.09	0.052	0.06	-0.14
1	B2	Hotspot / Body-Worn	LTE Band 66	132572	1770.0	50RB25	Front	10mm	\	\	15.19	15.50	0.079	0.08	0.047	0.05	-0.17
1	B2	Hotspot / Body-Worn	LTE Band 66	132322	1745.0	1RB99	Rear	10mm	\	\	15.13	15.50	0.076	0.08	0.049	0.05	-0.08
1	B2	Hotspot / Body-Worn	LTE Band 66	132572	1770.0	50RB25	Rear	10mm	\	\	15.19	15.50	0.073	0.08	0.048	0.05	0.06
1	B2	Hotspot	LTE Band 66	132322	1745.0	1RB99	Right	10mm	\	\	15.13	15.50	0.071	0.08	0.041	0.04	0.05
1	B2	Hotspot	LTE Band 66	132572	1770.0	50RB25	Right	10mm	\	\	15.19	15.50	0.067	0.07	0.038	0.04	0.14
1	B2	Hotspot / Body-Worn	LTE Band 66	132322	1745.0	1RB99	Front	10mm	C2	\	15.13	15.50	0.087	0.09	0.051	0.06	-0.17
1	A2	Hotspot / Body-Worn	LTE Band 66	132322	1745.0	1RB99	Front	10mm	\	\	23.12	23.50	0.133	0.15	0.083	0.09	0.11
1	A2	Hotspot / Body-Worn	LTE Band 66	132572	1770.0	50RB25	Front	10mm	\	\	22.11	22.50	0.122	0.13	0.077	0.08	0.03
1	A2	Hotspot / Body-Worn	LTE Band 66	132322	1745.0	1RB99	Rear	10mm	\	\	23.12	23.50	0.128	0.14	0.082	0.09	0.06
1	A2	Hotspot	LTE Band 66	132572	1770.0	50RB25	Rear	10mm	\	\	22.11	22.50	0.126	0.14	0.080	0.09	0.08
1	A2	Hotspot	LTE Band 66	132322	1745.0	1RB99	Right	25mm	\	\	23.12	23.50	0.111	0.12	0.069	0.08	-0.04
1	A2	Hotspot	LTE Band 66	132572	1770.0	50RB25	Right	25mm	\	\	22.11	22.50	0.103	0.11	0.064	0.07	0.12

Note: SAR for LTE Band 4 is covered by LTE Band 66 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 12.13: LTE Band 71 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	LTE Band 71	133222	673.0	1RB50	Left Cheek	0mm	\	\	23.52	24.00	0.292	0.33	0.223	0.25	0.05
0	B1	Head	LTE Band 71	133222	673.0	50RB25	Left Cheek	0mm	\	\	22.62	23.00	0.246	0.27	0.188	0.21	0.13
0	B1	Head	LTE Band 71	133222	673.0	1RB50	Left Tilt	0mm	\	\	23.52	24.00	0.189	0.21	0.147	0.16	-0.01
0	B1	Head	LTE Band 71	133222	673.0	50RB25	Left Tilt	0mm	\	\	22.62	23.00	0.160	0.17	0.124	0.14	0.02
0	B1	Head	LTE Band 71	133222	673.0	1RB50	Right Cheek	0mm	\	25	23.52	24.00	0.332	0.37	0.247	0.28	0.07
0	B1	Head	LTE Band 71	133222	673.0	50RB25	Right Cheek	0mm	\	\	22.62	23.00	0.285	0.31	0.212	0.23	-0.11
0	B1	Head	LTE Band 71	133222	673.0	1RB50	Right Tilt	0mm	\	\	23.52	24.00	0.213	0.24	0.162	0.18	0.10
0	B1	Head	LTE Band 71	133222	673.0	50RB25	Right Tilt	0mm	\	\	22.62	23.00	0.178	0.19	0.136	0.15	0.06
0	B1	Head	LTE Band 71	133222	673.0	1RB50	Right Cheek	0mm	C2	\	23.52	24.00	0.213	0.24	0.149	0.17	0.01
0	B1	Hotspot / Body-Worn	LTE Band 71	133222	673.0	1RB50	Front	10mm	\	\	23.52	24.00	0.290	0.32	0.213	0.24	-0.02
0	B1	Hotspot / Body-Worn	LTE Band 71	133222	673.0	50RB25	Front	10mm	\	\	22.62	23.00	0.245	0.27	0.177	0.19	-0.13
0	B1	Hotspot / Body-Worn	LTE Band 71	133222	673.0	1RB50	Rear	10mm	\	26	23.52	24.00	0.410	0.46	0.303	0.34	-0.11
0	B1	Hotspot / Body-Worn	LTE Band 71	133222	673.0	50RB25	Rear	10mm	\	\	22.62	23.00	0.348	0.38	0.253	0.28	0.18
0	A1	Hotspot	LTE Band 71	133222	673.0	1RB50	Left	10mm	\	\	23.52	24.00	0.200	0.22	0.142	0.16	-0.11
0	A1	Hotspot	LTE Band 71	133222	673.0	50RB25	Left	10mm	\	\	22.62	23.00	0.179	0.20	0.127	0.14	0.09
0	A1	Hotspot	LTE Band 71	133222	673.0	1RB50	Right	10mm	\	\	23.52	24.00	0.248	0.28	0.177	0.20	-0.01
0	A1	Hotspot	LTE Band 71	133222	673.0	50RB25	Right	10mm	\	\	22.62	23.00	0.232	0.25	0.166	0.18	0.14
0	B1	Hotspot	LTE Band 71	133222	673.0	1RB50	Bottom	10mm	\	\	23.52	24.00	0.095	0.11	0.055	0.06	0.14
0	B1	Hotspot	LTE Band 71	133222	673.0	50RB25	Bottom	10mm	\	\	22.62	23.00	0.084	0.09	0.049	0.05	0.15
0	B1	Hotspot / Body-Worn	LTE Band 71	133222	673.0	1RB50	Rear	10mm	C2	\	23.52	24.00	0.356	0.40	0.248	0.28	0.18

Table 12.14: LTE Band 38 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	B1	Head	LTE Band 38	37850	2580.0	1RB0	Left Cheek	0mm	\	\	20.55	21.00	0.593	0.66	0.294	0.33	0.08
1	B1	Head	LTE Band 38	37850	2580.0	50RB0	Left Cheek	0mm	\	\	20.50	21.00	0.580	0.65	0.273	0.31	0.17
1	B1	Head	LTE Band 38	37850	2580.0	1RB0	Left Tilt	0mm	\	\	20.55	21.00	0.105	0.12	0.053	0.06	0.04
1	B1	Head	LTE Band 38	37850	2580.0	50RB0	Left Tilt	0mm	\	\	20.50	21.00	0.103	0.12	0.049	0.05	0.15
1	B1	Head	LTE Band 38	37850	2580.0	1RB0	Right Cheek	0mm	\	27	20.55	21.00	0.714	0.79	0.319	0.35	-0.07
1	B1	Head	LTE Band 38	37850	2580.0	50RB0	Right Cheek	0mm	\	\	20.50	21.00	0.693	0.78	0.295	0.33	0.05
1	B1	Head	LTE Band 38	37850	2580.0	1RB0	Right Tilt	0mm	\	\	20.55	21.00	0.095	0.11	0.050	0.06	0.06
1	B1	Head	LTE Band 38	37850	2580.0	50RB0	Right Tilt	0mm	\	\	20.50	21.00	0.092	0.10	0.046	0.05	0.03
1	B1	Head	LTE Band 38	37850	2580.0	1RB0	Right Cheek	0mm	eSIM	\	20.55	21.00	0.692	0.77	0.304	0.34	-0.07
1	B1	Head	LTE Band 38	37850	2580.0	1RB0	Right Cheek	0mm	C2	\	20.55	21.00	0.437	0.48	0.204	0.23	0.01
1	B1	Hotspot / Body-Worn	LTE Band 38	37850	2580.0	1RB0	Front	10mm	\	\	20.55	21.00	0.162	0.18	0.087	0.10	0.13
1	B1	Hotspot / Body-Worn	LTE Band 38	37850	2580.0	50RB0	Front	10mm	\	\	20.50	21.00	0.129	0.14	0.070	0.08	-0.05
1	B1	Hotspot / Body-Worn	LTE Band 38	37850	2580.0	1RB0	Rear	10mm	\	\	20.55	21.00	0.174	0.19	0.094	0.10	-0.15
1	B1	Hotspot / Body-Worn	LTE Band 38	37850	2580.0	50RB0	Rear	10mm	\	\	20.50	21.00	0.141	0.16	0.076	0.09	-0.15
1	B1	Hotspot	LTE Band 38	37850	2580.0	1RB0	Right	10mm	\	28	20.55	21.00	0.206	0.23	0.105	0.12	0.02
1	B1	Hotspot	LTE Band 38	37850	2580.0	50RB0	Right	10mm	\	\	20.50	21.00	0.166	0.19	0.086	0.10	0.17
1	B1	Hotspot	LTE Band 38	37850	2580.0	1RB0	Right	10mm	C2	\	20.55	21.00	0.155	0.17	0.077	0.09	-0.14
1	A1	Hotspot / Body-Worn	LTE Band 38	37850	2580.0	1RB0	Front	19mm	\	\	23.55	24.00	0.127	0.14	0.069	0.08	-0.15
1	A1	Hotspot / Body-Worn	LTE Band 38	37850	2580.0	50RB0	Front	19mm	\	\	22.62	23.00	0.098	0.11	0.055	0.06	0.12
1	A1	Hotspot / Body-Worn	LTE Band 38	37850	2580.0	1RB0	Rear	19mm	\	\	23.55	24.00	0.159	0.18	0.088	0.10	0.16
1	A1	Hotspot / Body-Worn	LTE Band 38	37850	2580.0	50RB0	Rear	19mm	\	\	22.62	23.00	0.129	0.14	0.072	0.08	0.07
1	A1	Hotspot	LTE Band 38	37850	2580.0	1RB0	Right	25mm	\	\	23.55	24.00	0.162	0.18	0.089	0.10	-0.02
1	A1	Hotspot	LTE Band 38	37850	2580.0	50RB0	Right	25mm	\	\	22.62	23.00	0.143	0.16	0.077	0.08	-0.13



Table 12.15: LTE Band 41 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	B1	Head	LTE Band 41 PC3	40620	2593.0	1RB99	Left Cheek	0mm	\	\	20.85	21.00	0.578	0.60	0.297	0.31	-0.18
1	B1	Head	LTE Band 41 PC3	40620	2593.0	50RB25	Left Cheek	0mm	\	\	20.92	21.00	0.530	0.54	0.279	0.28	0.05
1	B1	Head	LTE Band 41 PC3	40620	2593.0	1RB99	Left Tilt	0mm	\	\	20.85	21.00	0.101	0.10	0.056	0.06	-0.16
1	B1	Head	LTE Band 41 PC3	40620	2593.0	50RB25	Left Tilt	0mm	\	\	20.92	21.00	0.094	0.10	0.050	0.05	-0.17
1	B1	Head	LTE Band 41 PC3	40620	2593.0	1RB99	Right Cheek	0mm	\	29	20.85	21.00	0.674	0.70	0.316	0.33	-0.08
1	B1	Head	LTE Band 41 PC3	40620	2593.0	50RB25	Right Cheek	0mm	\	\	20.92	21.00	0.637	0.65	0.300	0.31	0.06
1	B1	Head	LTE Band 41 PC3	40620	2593.0	1RB99	Right Tilt	0mm	\	\	20.85	21.00	0.085	0.09	0.047	0.05	-0.02
1	B1	Head	LTE Band 41 PC3	40620	2593.0	50RB25	Right Tilt	0mm	\	\	20.92	21.00	0.079	0.08	0.045	0.05	0.18
1	B1	Head	LTE Band 41 PC3	40620	2593.0	1RB99	Right Cheek	0mm	C2	\	20.85	21.00	0.589	0.61	0.278	0.29	-0.10
1	B1	Head	LTE Band 41 PC2	40620	2593.0	1RB99	Right Cheek	0mm	\	\	20.85	21.00	0.450	0.47	0.206	0.21	-0.08
1	B1	Hotspot / Body-Worn	LTE Band 41 PC3	40620	2593.0	1RB99	Front	10mm	\	\	20.85	21.00	0.155	0.16	0.084	0.09	-0.03
1	B1	Hotspot / Body-Worn	LTE Band 41 PC3	40620	2593.0	50RB25	Front	10mm	\	\	20.92	21.00	0.122	0.12	0.066	0.07	-0.01
1	B1	Hotspot / Body-Worn	LTE Band 41 PC3	40620	2593.0	1RB99	Rear	10mm	\	\	20.85	21.00	0.173	0.18	0.094	0.10	0.05
1	B1	Hotspot / Body-Worn	LTE Band 41 PC3	40620	2593.0	50RB25	Rear	10mm	\	\	20.92	21.00	0.134	0.14	0.074	0.08	0.04
1	B1	Hotspot	LTE Band 41 PC3	40620	2593.0	1RB99	Right	10mm	\	30	20.85	21.00	0.223	0.23	0.125	0.13	-0.07
1	B1	Hotspot	LTE Band 41 PC3	40620	2593.0	50RB25	Right	10mm	\	\	20.92	21.00	0.169	0.17	0.087	0.09	0.03
1	B1	Hotspot	LTE Band 41 PC3	40620	2593.0	1RB99	Right	10mm	C2	\	20.85	21.00	0.222	0.23	0.111	0.11	0.19
1	B1	Hotspot / Body-Worn	LTE Band 41 PC2	40620	2593.0	1RB99	Rear	10mm	\	\	20.85	21.00	0.126	0.13	0.071	0.07	0.06
1	B1	Hotspot	LTE Band 41 PC2	40620	2593.0	1RB99	Right	10mm	\	\	20.85	21.00	0.150	0.16	0.076	0.08	-0.07
1	A1	Hotspot / Body-Worn	LTE Band 41 PC3	40620	2593.0	1RB99	Front	19mm	\	\	23.19	23.50	0.103	0.11	0.057	0.06	0.14
1	A1	Hotspot / Body-Worn	LTE Band 41 PC3	40620	2593.0	50RB25	Front	19mm	\	\	22.18	22.50	0.084	0.09	0.046	0.05	-0.11
1	A1	Hotspot / Body-Worn	LTE Band 41 PC3	40620	2593.0	1RB99	Rear	19mm	\	\	23.19	23.50	0.127	0.14	0.070	0.08	-0.07
1	A1	Hotspot / Body-Worn	LTE Band 41 PC3	40620	2593.0	50RB25	Rear	19mm	\	\	22.18	22.50	0.102	0.11	0.056	0.06	0.00
1	A1	Hotspot	LTE Band 41 PC3	40620	2593.0	1RB99	Right	25mm	\	\	23.19	23.50	0.151	0.16	0.084	0.09	0.01
1	A1	Hotspot	LTE Band 41 PC3	40620	2593.0	50RB25	Right	25mm	\	\	22.18	22.50	0.127	0.14	0.070	0.08	0.09
1	A1	Hotspot / Body-Worn	LTE Band 41 PC2	40620	2593.0	1RB99	Rear	19mm	\	\	26.22	26.50	0.177	0.19	0.085	0.09	0.04
1	A1	Hotspot	LTE Band 41 PC2	40620	2593.0	1RB99	Right	25mm	\	\	26.22	26.50	0.206	0.22	0.099	0.11	0.03

Table 12.16: LTE Band 42 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
2	B1	Head	LTE Band 42	42990	3540.0	1RB0	Left Cheek	0mm	\	\	17.24	18.00	0.466	0.56	0.194	0.23	0.05
2	B1	Head	LTE Band 42	42990	3540.0	50RB50	Left Cheek	0mm	\	\	17.28	18.00	0.407	0.48	0.179	0.21	0.14
2	B1	Head	LTE Band 42	42990	3540.0	1RB0	Left Tilt	0mm	\	\	17.24	18.00	0.250	0.30	0.113	0.13	0.01
2	B1	Head	LTE Band 42	42990	3540.0	50RB50	Left Tilt	0mm	\	\	17.28	18.00	0.215	0.25	0.101	0.12	-0.01
2	B1	Head	LTE Band 42	42990	3540.0	1RB0	Right Cheek	0mm	\	\	17.24	18.00	0.206	0.25	0.097	0.12	0.14
2	B1	Head	LTE Band 42	42990	3540.0	50RB50	Right Cheek	0mm	\	\	17.28	18.00	0.178	0.21	0.088	0.10	0.12
2	B1	Head	LTE Band 42	42990	3540.0	1RB0	Right Tilt	0mm	\	\	17.24	18.00	0.195	0.23	0.080	0.10	0.04
2	B1	Head	LTE Band 42	42990	3540.0	50RB50	Right Tilt	0mm	\	\	17.28	18.00	0.169	0.20	0.073	0.09	0.17
2	B1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	1RB0	Front	10mm	\	\	17.24	18.00	0.133	0.16	0.063	0.07	-0.12
2	B1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	50RB50	Front	10mm	\	\	17.28	18.00	0.083	0.10	0.039	0.05	0.01
2	B1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	1RB0	Rear	10mm	\	\	17.24	18.00	0.098	0.12	0.046	0.05	0.18
2	B1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	50RB50	Rear	10mm	\	\	17.28	18.00	0.079	0.09	0.037	0.04	-0.13
2	B1	Hotspot	LTE Band 42	42990	3540.0	1RB0	Right	10mm	\	\	17.24	18.00	0.166	0.20	0.073	0.09	0.13
2	B1	Hotspot	LTE Band 42	42990	3540.0	50RB50	Right	10mm	\	\	17.28	18.00	0.135	0.16	0.059	0.07	0.12
2	B1	Hotspot	LTE Band 42	42990	3540.0	1RB0	Top	10mm	\	\	17.24	18.00	0.148	0.18	0.066	0.08	-0.09
2	B1	Hotspot	LTE Band 42	42990	3540.0	50RB50	Top	10mm	\	\	17.28	18.00	0.133	0.16	0.058	0.07	0.19
2	A1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	1RB0	Front	19mm	\	\	23.75	24.00	0.178	0.19	0.091	0.10	0.06
2	A1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	50RB50	Front	19mm	\	\	22.74	23.00	0.141	0.15	0.072	0.08	0.14
2	A1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	1RB0	Rear	19mm	\	\	23.75	24.00	0.206	0.22	0.100	0.11	-0.02
2	A1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	50RB50	Rear	19mm	\	\	22.74	23.00	0.168	0.18	0.082	0.09	0.15
2	A1	Hotspot	LTE Band 42	42990	3540.0	1RB0	Right	25mm	\	32	23.75	24.00	0.356	0.38	0.155	0.16	-0.02
2	A1	Hotspot	LTE Band 42	42990	3540.0	50RB50	Right	25mm	\	\	22.74	23.00	0.293	0.31	0.137	0.15	0.09
2	A1	Hotspot	LTE Band 42	42990	3540.0	1RB0	Top	25mm	\	\	23.75	24.00	0.350	0.37	0.160	0.17	-0.06
2	A1	Hotspot	LTE Band 42	42990	3540.0	50RB50	Top	25mm	\	\	22.74	23.00	0.258	0.27	0.126	0.13	-0.06
2	B1	Head	LTE Band 42	42990	3540.0	1RB0	Left Cheek	0mm	C2	31	17.24	18.00	0.558	0.66	0.235	0.28	0.18
2	B1	Head	LTE Band 42	42990	3540.0	50RB50	Left Cheek	0mm	C2	\	17.28	18.00	0.483	0.57	0.214	0.25	0.01
2	B1	Head	LTE Band 42	42990	3540.0	1RB0	Left Tilt	0mm	C2	\	17.24	18.00	0.304	0.36	0.130	0.15	-0.17
2	B1	Head	LTE Band 42	42990	3540.0	50RB50	Left Tilt	0mm	C2	\	17.28	18.00	0.264	0.31	0.117	0.14	-0.08
2	B1	Head	LTE Band 42	42990	3540.0	1RB0	Right Cheek	0mm	C2	\	17.24	18.00	0.246	0.29	0.118	0.14	-0.17
2	B1	Head	LTE Band 42	42990	3540.0	50RB50	Right Cheek	0mm	C2	\	17.28	18.00	0.218	0.26	0.108	0.13	-0.19
2	B1	Head	LTE Band 42	42990	3540.0	1RB0	Right Tilt	0mm	C2	\	17.24	18.00	0.179	0.21	0.083	0.10	-0.02
2	B1	Head	LTE Band 42	42990	3540.0	50RB50	Right Tilt	0mm	C2	\	17.28	18.00	0.154	0.18	0.075	0.09	-0.10
2	B1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	1RB0	Front	10mm	C2	\	17.24	18.00	0.158	0.19	0.072	0.09	-0.18
2	B1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	50RB50	Front	10mm	C2	\	17.28	18.00	0.123	0.15	0.056	0.07	0.07
2	B1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	1RB0	Rear	10mm	C2	\	17.24	18.00	0.199	0.24	0.088	0.10	-0.01
2	B1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	50RB50	Rear	10mm	C2	\	17.28	18.00	0.160	0.19	0.072	0.08	-0.11
2	B1	Hotspot	LTE Band 42	42990	3540.0	1RB0	Right	10mm	C2	\	17.24	18.00	0.211	0.25	0.087	0.10	0.02
2	B1	Hotspot	LTE Band 42	42990	3540.0	50RB50	Right	10mm	C2	\	17.28	18.00	0.168	0.20	0.070	0.08	0.09
2	B1	Hotspot	LTE Band 42	42990	3540.0	1RB0	Top	10mm	C2	\	17.24	18.00	0.093	0.11	0.042	0.05	0.19
2	B1	Hotspot	LTE Band 42	42990	3540.0	50RB50	Top	10mm	C2	\	17.28	18.00	0.074	0.09	0.033	0.04	-0.10
2	A1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	1RB0	Front	19mm	C2	\	23.75	24.00	0.239	0.25	0.115	0.12	0.16
2	A1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	50RB50	Front	19mm	C2	\	22.74	23.00	0.182	0.19	0.089	0.09	-0.10
2	A1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	1RB0	Rear	19mm	C2	\	23.75	24.00	0.270	0.29	0.130	0.14	0.00
2	A1	Hotspot / Body-Worn	LTE Band 42	42990	3540.0	50RB50	Rear	19mm	C2	\	22.74	23.00	0.232	0.25	0.112	0.12	0.14
2	A1	Hotspot	LTE Band 42	42990	3540.0	1RB0	Right	25mm	C2	\	23.75	24.00	0.305	0.32	0.147	0.16	-0.08
2	A1	Hotspot	LTE Band 42	42990	3540.0	50RB50	Right	25mm	C2	\	22.74	23.00	0.280	0.30	0.129	0.14	0.16
2	A1	Hotspot	LTE Band 42	42990	3540.0	1RB0	Top	25mm	C2	\	23.75	24.00	0.201	0.21	0.103	0.11	-0.16
2	A1	Hotspot	LTE Band 42	42990	3540.0	50RB50	Top	25mm	C2	\	22.74	23.00	0.162	0.17	0.082	0.09	-0.11

Table 12.17: LTE Band 48 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
2	B1	Head	LTE Band 48	55773	3603.3	1RB50	Left Cheek	0mm	\	\	17.12	18.00	0.371	0.45	0.155	0.19	0.01
2	B1	Head	LTE Band 48	55773	3603.3	50RB50	Left Cheek	0mm	\	\	17.09	18.00	0.331	0.41	0.147	0.18	0.01
2	B1	Head	LTE Band 48	55773	3603.3	1RB50	Left Tilt	0mm	\	\	17.12	18.00	0.194	0.24	0.086	0.11	-0.02
2	B1	Head	LTE Band 48	55773	3603.3	50RB50	Left Tilt	0mm	\	\	17.09	18.00	0.170	0.21	0.079	0.10	-0.17
2	B1	Head	LTE Band 48	55773	3603.3	1RB50	Right Cheek	0mm	\	\	17.12	18.00	0.152	0.19	0.073	0.09	-0.16
2	B1	Head	LTE Band 48	55773	3603.3	50RB50	Right Cheek	0mm	\	\	17.09	18.00	0.137	0.17	0.068	0.08	0.03
2	B1	Head	LTE Band 48	55773	3603.3	1RB50	Right Tilt	0mm	\	\	17.12	18.00	0.130	0.16	0.055	0.07	-0.04
2	B1	Head	LTE Band 48	55773	3603.3	50RB50	Right Tilt	0mm	\	\	17.09	18.00	0.106	0.13	0.048	0.06	0.04
2	B1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	1RB50	Front	10mm	\	\	17.12	18.00	0.093	0.11	0.044	0.05	-0.17
2	B1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	50RB50	Front	10mm	\	\	17.09	18.00	0.074	0.09	0.035	0.04	0.14
2	B1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	1RB50	Rear	10mm	\	\	17.12	18.00	0.097	0.12	0.048	0.06	-0.10
2	B1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	50RB50	Rear	10mm	\	\	17.09	18.00	0.077	0.10	0.037	0.05	0.12
2	B1	Hotspot	LTE Band 48	55773	3603.3	1RB50	Right	10mm	\	\	17.12	18.00	0.164	0.20	0.073	0.09	0.13
2	B1	Hotspot	LTE Band 48	55773	3603.3	50RB50	Right	10mm	\	\	17.09	18.00	0.134	0.17	0.060	0.07	-0.16
2	B1	Hotspot	LTE Band 48	55773	3603.3	1RB50	Top	10mm	\	\	17.12	18.00	0.132	0.16	0.060	0.07	0.15
2	B1	Hotspot	LTE Band 48	55773	3603.3	50RB50	Top	10mm	\	\	17.09	18.00	0.106	0.13	0.048	0.06	0.15
2	A1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	1RB50	Front	19mm	\	\	23.80	24.00	0.141	0.15	0.071	0.07	0.01
2	A1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	50RB50	Front	19mm	\	\	22.85	23.00	0.107	0.11	0.055	0.06	-0.18
2	A1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	1RB50	Rear	19mm	\	\	23.80	24.00	0.200	0.21	0.098	0.10	-0.18
2	A1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	50RB50	Rear	19mm	\	\	22.85	23.00	0.162	0.17	0.079	0.08	-0.10
2	A1	Hotspot	LTE Band 48	55773	3603.3	1RB50	Right	25mm	\	34	23.80	24.00	0.349	0.37	0.166	0.17	-0.11
2	A1	Hotspot	LTE Band 48	55773	3603.3	50RB50	Right	25mm	\	\	22.85	23.00	0.282	0.29	0.132	0.14	-0.13
2	A1	Hotspot	LTE Band 48	55773	3603.3	1RB50	Top	25mm	\	\	23.80	24.00	0.339	0.35	0.163	0.17	-0.01
2	A1	Hotspot	LTE Band 48	55773	3603.3	50RB50	Top	25mm	\	\	22.85	23.00	0.284	0.29	0.130	0.13	-0.12
2	B1	Head	LTE Band 48	55773	3603.3	1RB50	Left Cheek	0mm	C2	33	17.12	18.00	0.468	0.57	0.195	0.24	-0.08
2	B1	Head	LTE Band 48	55773	3603.3	50RB50	Left Cheek	0mm	C2	\	17.09	18.00	0.458	0.56	0.188	0.23	0.07
2	B1	Head	LTE Band 48	55773	3603.3	1RB50	Left Tilt	0mm	C2	\	17.12	18.00	0.233	0.29	0.099	0.12	0.11
2	B1	Head	LTE Band 48	55773	3603.3	50RB50	Left Tilt	0mm	C2	\	17.09	18.00	0.230	0.28	0.095	0.12	0.00
2	B1	Head	LTE Band 48	55773	3603.3	1RB50	Right Cheek	0mm	C2	\	17.12	18.00	0.204	0.25	0.099	0.12	-0.16
2	B1	Head	LTE Band 48	55773	3603.3	50RB50	Right Cheek	0mm	C2	\	17.09	18.00	0.197	0.24	0.094	0.12	0.10
2	B1	Head	LTE Band 48	55773	3603.3	1RB50	Right Tilt	0mm	C2	\	17.12	18.00	0.144	0.18	0.068	0.08	0.10
2	B1	Head	LTE Band 48	55773	3603.3	50RB50	Right Tilt	0mm	C2	\	17.09	18.00	0.139	0.17	0.065	0.08	0.19
2	B1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	1RB50	Front	10mm	C2	\	17.12	18.00	0.103	0.13	0.053	0.07	-0.16
2	B1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	50RB50	Front	10mm	C2	\	17.09	18.00	0.082	0.10	0.042	0.05	0.06
2	B1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	1RB50	Rear	10mm	C2	\	17.12	18.00	0.154	0.19	0.076	0.09	-0.15
2	B1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	50RB50	Rear	10mm	C2	\	17.09	18.00	0.124	0.15	0.061	0.07	0.16
2	B1	Hotspot	LTE Band 48	55773	3603.3	1RB50	Right	10mm	C2	\	17.12	18.00	0.190	0.23	0.083	0.10	-0.02
2	B1	Hotspot	LTE Band 48	55773	3603.3	50RB50	Right	10mm	C2	\	17.09	18.00	0.156	0.19	0.068	0.08	-0.06
2	B1	Hotspot	LTE Band 48	55773	3603.3	1RB50	Top	10mm	C2	\	17.12	18.00	0.061	0.07	0.030	0.04	-0.18
2	B1	Hotspot	LTE Band 48	55773	3603.3	50RB50	Top	10mm	C2	\	17.09	18.00	0.047	0.06	0.024	0.03	0.08
2	A1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	1RB50	Front	19mm	C2	\	23.80	24.00	0.179	0.19	0.090	0.09	0.18
2	A1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	50RB50	Front	19mm	C2	\	22.85	23.00	0.147	0.15	0.072	0.07	-0.08
2	A1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	1RB50	Rear	19mm	C2	\	23.80	24.00	0.294	0.31	0.139	0.15	0.05
2	A1	Hotspot / Body-Worn	LTE Band 48	55773	3603.3	50RB50	Rear	19mm	C2	\	22.85	23.00	0.240	0.25	0.112	0.12	-0.05
2	A1	Hotspot	LTE Band 48	55773	3603.3	1RB50	Right	25mm	C2	\	23.80	24.00	0.343	0.36	0.156	0.16	-0.14
2	A1	Hotspot	LTE Band 48	55773	3603.3	50RB50	Right	25mm	C2	\	22.85	23.00	0.280	0.29	0.129	0.13	-0.18
2	A1	Hotspot	LTE Band 48	55773	3603.3	1RB50	Top	25mm	C2	\	23.80	24.00	0.189	0.20	0.092	0.10	0.02
2	A1	Hotspot	LTE Band 48	55773	3603.3	50RB50	Top	25mm	C2	\	22.85	23.00	0.154	0.16	0.078	0.08	-0.15

Note: SAR for LTE Band 42 (3550-3600MHz)/LTE Band 43 (3600-3700MHz) is covered by LTE Band 48 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 12.18: NR n5 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	NR n5	167300	836.5	50RB25	Left Cheek	0mm	\	\	23.30	24.00	0.387	0.45	0.261	0.33	0.04
0	B1	Head	NR n5	167300	836.5	50RB25	Left Tilt	0mm	\	\	23.30	24.00	0.244	0.29	0.183	0.22	0.00
0	B1	Head	NR n5	167300	836.5	50RB25	Right Cheek	0mm	\	35	23.30	24.00	0.496	0.58	0.360	0.42	0.04
0	B1	Head	NR n5	167300	836.5	50RB25	Right Tilt	0mm	\	\	23.30	24.00	0.370	0.43	0.266	0.31	-0.08
0	B1	Head	NR n5	167300	836.5	50RB25	Left Cheek	0mm	C2	\	23.30	24.00	0.465	0.55	0.344	0.40	-0.10
0	B1	Hotspot / Body-Worn	NR n5	167300	836.5	50RB25	Front	10mm	\	\	23.30	24.00	0.299	0.35	0.204	0.24	0.03
0	B1	Hotspot / Body-Worn	NR n5	167300	836.5	50RB25	Rear	10mm	\	36	23.30	24.00	0.350	0.41	0.252	0.30	0.10
0	A1	Hotspot	NR n5	167300	836.5	50RB25	Left	10mm	\	\	23.30	24.00	0.116	0.14	0.077	0.09	-0.06
0	A1	Hotspot	NR n5	167300	836.5	50RB25	Right	10mm	\	\	23.30	24.00	0.183	0.22	0.121	0.14	0.04
0	B1	Hotspot	NR n5	167300	836.5	50RB25	Bottom	10mm	\	\	23.30	24.00	0.113	0.13	0.062	0.07	0.13
0	B1	Hotspot / Body-Worn	NR n5	167300	836.5	50RB25	Rear	10mm	C2	\	23.30	24.00	0.349	0.41	0.239	0.28	-0.01

Table 12.19: NR n7 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	NR n7	507000	2535.0	50RB25	Left Cheek	0mm	\	37	22.10	22.50	0.150	0.16	0.079	0.09	0.09
0	B1	Head	NR n7	507000	2535.0	50RB25	Left Tilt	0mm	\	\	22.10	22.50	0.035	0.04	0.017	0.02	-0.10
0	B1	Head	NR n7	507000	2535.0	50RB25	Right Cheek	0mm	\	\	22.10	22.50	0.139	0.15	0.077	0.08	0.08
0	B1	Head	NR n7	507000	2535.0	50RB25	Right Tilt	0mm	\	\	22.10	22.50	0.033	0.04	0.021	0.02	0.19
0	B1	Head	NR n7	507000	2535.0	50RB25	Left Cheek	0mm	C2	\	22.10	22.50	0.138	0.15	0.081	0.09	-0.03
0	B1	Hotspot / Body-Worn	NR n7	507000	2535.0	50RB25	Front	10mm	\	\	22.10	22.50	0.241	0.26	0.142	0.16	-0.11
0	B1	Hotspot / Body-Worn	NR n7	507000	2535.0	50RB25	Rear	10mm	\	38	22.10	22.50	0.497	0.54	0.258	0.28	-0.18
0	A1	Hotspot	NR n7	507000	2535.0	50RB25	Left	10mm	\	\	23.15	23.50	0.258	0.28	0.141	0.15	-0.02
0	A1	Hotspot	NR n7	507000	2535.0	50RB25	Right	10mm	\	\	23.15	23.50	0.158	0.17	0.094	0.10	-0.13
0	B1	Hotspot	NR n7	507000	2535.0	50RB25	Bottom	10mm	\	\	22.10	22.50	0.458	0.50	0.244	0.27	0.11
0	B1	Hotspot / Body-Worn	NR n7	507000	2535.0	50RB25	Rear	10mm	C2	\	22.10	22.50	0.472	0.52	0.235	0.26	0.06
0	A1	Hotspot / Body-Worn	NR n7	507000	2535.0	50RB25	Front	19mm	\	\	23.15	23.50	0.104	0.11	0.061	0.07	0.12
0	A1	Hotspot / Body-Worn	NR n7	507000	2535.0	50RB25	Rear	19mm	\	\	23.15	23.50	0.217	0.24	0.121	0.13	0.05
0	A1	Hotspot	NR n7	507000	2535.0	50RB25	Bottom	19mm	\	\	23.15	23.50	0.215	0.23	0.118	0.13	0.04

Table 12.20: NR n14 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	NR n14	158600	793.0	25RB12	Left Cheek	0mm	\	\	23.24	24.00	0.300	0.36	0.219	0.26	-0.12
0	B1	Head	NR n14	158600	793.0	25RB12	Left Tilt	0mm	\	\	23.24	24.00	0.266	0.32	0.195	0.23	-0.05
0	B1	Head	NR n14	158600	793.0	25RB12	Right Cheek	0mm	\	39	23.24	24.00	0.373	0.44	0.271	0.32	-0.15
0	B1	Head	NR n14	158600	793.0	25RB12	Right Tilt	0mm	\	\	23.24	24.00	0.292	0.35	0.218	0.26	-0.13
0	B1	Head	NR n14	158600	793.0	25RB12	Right Cheek	0mm	C2	\	23.24	24.00	0.310	0.37	0.213	0.25	0.07
0	B1	Hotspot / Body-Worn	NR n14	158600	793.0	25RB12	Front	10mm	\	\	23.24	24.00	0.288	0.34	0.199	0.24	0.13
0	B1	Hotspot / Body-Worn	NR n14	158600	793.0	25RB12	Rear	10mm	\	40	23.24	24.00	0.394	0.47	0.288	0.34	-0.01
0	A1	Hotspot	NR n14	158600	793.0	25RB12	Left	10mm	\	\	23.24	24.00	0.158	0.19	0.106	0.13	0.00
0	A1	Hotspot	NR n14	158600	793.0	25RB12	Right	10mm	\	\	23.24	24.00	0.268	0.32	0.180	0.21	0.14
0	B1	Hotspot	NR n14	158600	793.0	25RB12	Bottom	10mm	\	\	23.24	24.00	0.146	0.17	0.082	0.10	-0.09
0	B1	Hotspot / Body-Worn	NR n14	158600	793.0	25RB12	Rear	10mm	C2	\	23.24	24.00	0.364	0.43	0.251	0.30	0.14

Table 12.21: NR n25 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	NR n25	376500	1882.5	50RB25	Left Cheek	0mm	\	\	20.81	22.00	0.189	0.25	0.110	0.14	-0.03
0	B1	Head	NR n25	376500	1882.5	50RB25	Left Tilt	0mm	\	\	20.81	22.00	0.070	0.09	0.046	0.06	-0.13
0	B1	Head	NR n25	376500	1882.5	50RB25	Right Cheek	0mm	\	\	20.81	22.00	0.101	0.13	0.061	0.08	-0.04
0	B1	Head	NR n25	376500	1882.5	50RB25	Right Tilt	0mm	\	\	20.81	22.00	0.086	0.11	0.047	0.06	0.04
0	B1	Head	NR n25	376500	1882.5	50RB25	Left Cheek	0mm	C2	\	20.81	22.00	0.114	0.15	0.067	0.09	-0.05
0	B2	Head	NR n25	376500	1882.5	50RB25	Left Cheek	0mm	\	\	17.83	19.00	0.089	0.12	0.052	0.07	-0.11
0	B2	Head	NR n25	376500	1882.5	50RB25	Left Tilt	0mm	\	\	17.83	19.00	0.033	0.04	0.022	0.03	0.11
0	B2	Head	NR n25	376500	1882.5	50RB25	Right Cheek	0mm	\	\	17.83	19.00	0.048	0.06	0.029	0.04	0.12
0	B2	Head	NR n25	376500	1882.5	50RB25	Right Tilt	0mm	\	\	17.83	19.00	0.041	0.05	0.022	0.03	0.18
0	B2	Head	NR n25	376500	1882.5	50RB25	Left Cheek	0mm	C2	\	17.83	19.00	0.054	0.07	0.032	0.04	-0.01
0	B1	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Front	10mm	\	\	20.81	22.00	0.374	0.49	0.236	0.31	-0.19
0	B1	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Rear	10mm	\	42	20.81	22.00	0.755	0.99	0.434	0.57	-0.07
0	A1	Hotspot	NR n25	376500	1882.5	50RB25	Left	10mm	\	\	23.06	24.00	0.206	0.26	0.126	0.16	-0.04
0	A1	Hotspot	NR n25	376500	1882.5	50RB25	Right	10mm	\	\	23.06	24.00	0.107	0.13	0.065	0.08	0.16
0	B1	Hotspot	NR n25	376500	1882.5	50RB25	Bottom	10mm	\	\	20.81	22.00	0.650	0.85	0.382	0.50	0.08
0	B1	Hotspot / Body-Worn	NR n25	381000	1905.0	50RB25	Rear	10mm	\	\	20.76	22.00	0.683	0.91	0.396	0.53	0.10
0	B1	Hotspot / Body-Worn	NR n25	372000	1860.0	50RB25	Rear	10mm	\	\	20.68	22.00	0.688	0.93	0.398	0.54	0.12
0	B1	Hotspot	NR n25	381000	1905.0	50RB25	Bottom	10mm	\	\	20.76	22.00	0.588	0.78	0.349	0.46	-0.10
0	B1	Hotspot	NR n25	372000	1860.0	50RB25	Bottom	10mm	\	\	20.68	22.00	0.592	0.80	0.350	0.47	0.01
0	B1	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Rear	10mm	C2	\	20.81	22.00	0.711	0.94	0.402	0.53	-0.07
0	A1	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Front	19mm	\	\	23.06	24.00	0.262	0.33	0.164	0.20	-0.06
0	A1	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Rear	19mm	\	\	23.06	24.00	0.439	0.55	0.265	0.33	0.13
0	A1	Hotspot	NR n25	376500	1882.5	50RB25	Bottom	19mm	\	\	23.06	24.00	0.341	0.42	0.203	0.25	0.11
0	B2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Front	10mm	\	\	17.83	19.00	0.186	0.24	0.117	0.15	-0.03
0	B2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Rear	10mm	\	\	17.83	19.00	0.376	0.49	0.216	0.28	0.14
0	A2	Hotspot	NR n25	376500	1882.5	50RB25	Left	10mm	\	\	23.06	24.00	0.206	0.26	0.126	0.16	-0.04
0	A2	Hotspot	NR n25	376500	1882.5	50RB25	Right	10mm	\	\	23.06	24.00	0.107	0.13	0.065	0.08	0.16
0	B2	Hotspot	NR n25	376500	1882.5	50RB25	Bottom	10mm	\	\	17.83	19.00	0.324	0.42	0.190	0.25	0.03
0	B2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Rear	10mm	C2	\	17.83	19.00	0.354	0.46	0.200	0.26	-0.08
0	A2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Front	19mm	\	\	23.06	24.00	0.262	0.33	0.164	0.20	-0.06
0	A2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Rear	19mm	\	\	23.06	24.00	0.439	0.55	0.265	0.33	0.13
0	A2	Hotspot	NR n25	376500	1882.5	50RB25	Bottom	19mm	\	\	23.06	24.00	0.341	0.42	0.203	0.25	0.11
1	B2	Head	NR n25	376500	1882.5	50RB25	Left Cheek	0mm	\	\	14.13	14.50	0.172	0.19	0.090	0.10	0.04
1	B2	Head	NR n25	376500	1882.5	50RB25	Left Tilt	0mm	\	\	14.13	14.50	0.036	0.04	0.019	0.02	0.08
1	B2	Head	NR n25	376500	1882.5	50RB25	Right Cheek	0mm	\	41	14.13	14.50	0.248	0.27	0.121	0.13	-0.02
1	B2	Head	NR n25	376500	1882.5	50RB25	Right Tilt	0mm	\	\	14.13	14.50	0.032	0.03	0.018	0.02	0.18
1	B2	Head	NR n25	376500	1882.5	50RB25	Right Cheek	0mm	C2	\	14.13	14.50	0.235	0.26	0.121	0.13	0.14
1	B2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Front	10mm	\	\	14.13	14.50	0.043	0.05	0.027	0.03	0.00
1	B2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Rear	10mm	\	\	14.13	14.50	0.055	0.06	0.037	0.04	-0.07
1	B2	Hotspot	NR n25	376500	1882.5	50RB25	Right	10mm	\	\	14.13	14.50	0.031	0.03	0.019	0.02	0.08
1	B2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Rear	10mm	C2	\	14.13	14.50	0.049	0.05	0.032	0.03	-0.05
1	A2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Front	19mm	\	\	22.98	23.50	0.174	0.20	0.110	0.12	0.19
1	A2	Hotspot / Body-Worn	NR n25	376500	1882.5	50RB25	Rear	19mm	\	\	22.98	23.50	0.295	0.33	0.187	0.21	0.13
1	A2	Hotspot	NR n25	376500	1882.5	50RB25	Right	25mm	\	\	22.98	23.50	0.209	0.24	0.130	0.15	-0.16

Note: SAR for NR n2 is covered by NR n25 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 12.22: NR n66 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	NR n66	349000	1745.0	80RB40	Left Cheek	0mm	\	\	21.15	22.00	0.170	0.21	0.114	0.14	-0.15
0	B1	Head	NR n66	349000	1745.0	80RB40	Left Tilt	0mm	\	\	21.15	22.00	0.093	0.11	0.059	0.07	-0.03
0	B1	Head	NR n66	349000	1745.0	80RB40	Right Cheek	0mm	\	\	21.15	22.00	0.164	0.20	0.111	0.13	0.08
0	B1	Head	NR n66	349000	1745.0	80RB40	Right Tilt	0mm	\	\	21.15	22.00	0.112	0.14	0.083	0.10	0.17
0	B1	Head	NR n66	349000	1745.0	80RB40	Left Cheek	0mm	C2	\	21.15	22.00	0.098	0.12	0.062	0.08	0.04
0	B2	Head	NR n66	349000	1745.0	80RB40	Left Cheek	0mm	\	\	19.12	20.00	0.102	0.12	0.066	0.08	0.17
0	B2	Head	NR n66	349000	1745.0	80RB40	Left Tilt	0mm	\	\	19.12	20.00	0.056	0.07	0.034	0.04	-0.17
0	B2	Head	NR n66	349000	1745.0	80RB40	Right Cheek	0mm	\	\	19.12	20.00	0.099	0.12	0.064	0.08	-0.05
0	B2	Head	NR n66	349000	1745.0	80RB40	Right Tilt	0mm	\	\	19.12	20.00	0.067	0.08	0.048	0.06	-0.18
0	B2	Head	NR n66	349000	1745.0	80RB40	Left Cheek	0mm	C2	\	19.12	20.00	0.059	0.07	0.036	0.04	0.11
0	B1	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Front	10mm	\	\	21.15	22.00	0.389	0.47	0.258	0.31	-0.15
0	B1	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Rear	10mm	\	\	21.15	22.00	0.721	0.88	0.440	0.54	-0.19
0	A1	Hotspot	NR n66	349000	1745.0	80RB40	Left	10mm	\	\	23.04	24.00	0.144	0.18	0.092	0.11	0.18
0	A1	Hotspot	NR n66	349000	1745.0	80RB40	Right	10mm	\	\	23.04	24.00	0.070	0.09	0.043	0.05	0.18
0	B1	Hotspot	NR n66	349000	1745.0	80RB40	Bottom	10mm	\	\	21.15	22.00	0.644	0.78	0.399	0.49	0.03
0	B1	Hotspot / Body-Worn	NR n66	354000	1770.0	80RB40	Rear	10mm	\	\	21.10	22.00	0.850	1.05	0.512	0.63	-0.07
0	B1	Hotspot / Body-Worn	NR n66	344000	1720.0	80RB40	Rear	10mm	\	\	21.00	22.00	0.895	1.13	0.547	0.69	0.18
0	B1	Hotspot / Body-Worn	NR n66	344000	1720.0	80RB40	Rear	10mm	C2	44	21.00	22.00	0.921	1.16	0.539	0.68	-0.05
0	A1	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Front	19mm	\	\	23.04	24.00	0.320	0.40	0.197	0.25	-0.05
0	A1	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Rear	19mm	\	\	23.04	24.00	0.570	0.71	0.343	0.43	-0.17
0	A1	Hotspot	NR n66	349000	1745.0	80RB40	Bottom	19mm	\	\	23.04	24.00	0.449	0.56	0.274	0.34	-0.17
0	B2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Front	10mm	\	\	19.45	20.00	0.240	0.27	0.159	0.18	-0.01
0	B2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Rear	10mm	\	\	19.45	20.00	0.445	0.51	0.272	0.31	-0.09
0	A2	Hotspot	NR n66	349000	1745.0	80RB40	Left	10mm	\	\	23.04	24.00	0.144	0.18	0.092	0.11	0.18
0	A2	Hotspot	NR n66	349000	1745.0	80RB40	Right	10mm	\	\	23.04	24.00	0.070	0.09	0.043	0.05	0.18
0	B2	Hotspot	NR n66	349000	1745.0	80RB40	Bottom	10mm	\	\	19.45	20.00	0.397	0.45	0.247	0.28	0.04
0	B2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Rear	10mm	C2	\	19.45	20.00	0.568	0.64	0.333	0.38	0.14
0	A2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Front	19mm	\	\	23.04	24.00	0.320	0.40	0.197	0.25	-0.05
0	A2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Rear	19mm	\	\	23.04	24.00	0.570	0.71	0.343	0.43	-0.17
0	A2	Hotspot	NR n66	349000	1745.0	80RB40	Bottom	19mm	\	\	23.04	24.00	0.449	0.56	0.274	0.34	-0.17
1	B2	Head	NR n66	349000	1745.0	80RB40	Left Cheek	0mm	\	\	14.04	14.50	0.254	0.28	0.141	0.16	-0.12
1	B2	Head	NR n66	349000	1745.0	80RB40	Left Tilt	0mm	\	\	14.04	14.50	0.048	0.05	0.028	0.03	0.06
1	B2	Head	NR n66	349000	1745.0	80RB40	Right Cheek	0mm	\	43	14.04	14.50	0.311	0.35	0.161	0.18	-0.09
1	B2	Head	NR n66	349000	1745.0	80RB40	Right Tilt	0mm	\	\	14.04	14.50	0.042	0.05	0.024	0.03	0.10
1	B2	Head	NR n66	344000	1720.0	80RB40	Right Cheek	0mm	C2	\	14.04	14.50	0.301	0.33	0.159	0.18	-0.19
1	B2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Front	10mm	\	\	14.04	14.50	0.047	0.05	0.032	0.04	0.12
1	B2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Rear	10mm	\	\	14.04	14.50	0.042	0.05	0.028	0.03	0.11
1	B2	Hotspot	NR n66	349000	1745.0	80RB40	Right	10mm	\	\	14.04	14.50	0.042	0.05	0.026	0.03	0.10
1	B2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Front	10mm	C2	\	14.04	14.50	0.054	0.06	0.034	0.04	-0.17
1	A2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Front	19mm	\	\	22.97	23.50	0.245	0.28	0.153	0.17	-0.05
1	A2	Hotspot / Body-Worn	NR n66	349000	1745.0	80RB40	Rear	19mm	\	\	22.97	23.50	0.222	0.25	0.140	0.16	0.02
1	A2	Hotspot	NR n66	349000	1745.0	80RB40	Right	25mm	\	\	22.97	23.50	0.207	0.23	0.127	0.14	0.08

Table 12.23: NR n71 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	B1	Head	NR n71	136100	680.5	50RB25	Left Cheek	0mm	\	\	23.39	24.00	0.279	0.32	0.207	0.24	0.03
0	B1	Head	NR n71	136100	680.5	50RB25	Left Tilt	0mm	\	\	23.39	24.00	0.233	0.27	0.173	0.20	0.11
0	B1	Head	NR n71	136100	680.5	50RB25	Right Cheek	0mm	\	45	23.39	24.00	0.321	0.37	0.237	0.27	0.19
0	B1	Head	NR n71	136100	680.5	50RB25	Right Tilt	0mm	\	\	23.39	24.00	0.215	0.25	0.164	0.19	-0.02
0	B1	Head	NR n71	136100	680.5	50RB25	Right Cheek	0mm	C2	\	23.39	24.00	0.198	0.23	0.138	0.16	0.02
0	B1	Hotspot / Body-Worn	NR n71	136100	680.5	50RB25	Front	10mm	\	\	23.39	24.00	0.270	0.31	0.188	0.22	-0.02
0	B1	Hotspot / Body-Worn	NR n71	136100	680.5	50RB25	Rear	10mm	\	46	23.39	24.00	0.349	0.40	0.256	0.29	-0.06
0	A1	Hotspot	NR n71	136100	680.5	50RB25	Left	10mm	\	\	23.39	24.00	0.221	0.25	0.152	0.17	-0.09
0	A1	Hotspot	NR n71	136100	680.5	50RB25	Right	10mm	\	\	23.39	24.00	0.277	0.32	0.189	0.22	0.16
0	B1	Hotspot	NR n71	136100	680.5	50RB25	Bottom	10mm	\	\	23.39	24.00	0.098	0.11	0.053	0.06	0.09
0	B1	Hotspot / Body-Worn	NR n71	136100	680.5	50RB25	Rear	10mm	C2	\	23.39	24.00	0.327	0.38	0.227	0.26	-0.16

Table 12.24: NR n41 PC2 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	B1	Head	NR n41	518598	2593.0	135RB67	Left Cheek	0mm	\	\	17.56	18.50	0.515	0.64	0.260	0.32	-0.14
1	B1	Head	NR n41	518598	2593.0	135RB67	Left Tilt	0mm	\	\	17.56	18.50	0.081	0.10	0.043	0.05	0.18
1	B1	Head	NR n41	518598	2593.0	135RB67	Right Cheek	0mm	\	47	17.56	18.50	0.599	0.74	0.273	0.34	-0.03
1	B1	Head	NR n41	518598	2593.0	135RB67	Right Tilt	0mm	\	\	17.56	18.50	0.083	0.10	0.044	0.05	-0.11
1	B1	Head	NR n41	518598	2593.0	135RB67	Right Cheek	0mm	C2	\	17.56	18.50	0.466	0.58	0.228	0.28	-0.08
1	B2	Head	NR n41	518598	2593.0	135RB67	Left Cheek	0mm	\	\	12.68	13.50	0.158	0.19	0.079	0.10	-0.03
1	B2	Head	NR n41	518598	2593.0	135RB67	Left Tilt	0mm	\	\	12.68	13.50	0.025	0.03	0.013	0.02	-0.07
1	B2	Head	NR n41	518598	2593.0	135RB67	Right Cheek	0mm	\	\	12.68	13.50	0.184	0.22	0.083	0.10	-0.04
1	B2	Head	NR n41	518598	2593.0	135RB67	Right Tilt	0mm	\	\	12.68	13.50	0.026	0.03	0.013	0.02	0.06
1	B2	Head	NR n41	518598	2593.0	135RB67	Right Cheek	0mm	C2	\	12.68	13.50	0.143	0.17	0.070	0.08	0.04
1	B1	Hotspot / Body-Worn	NR n41	518598	2593.0	135RB67	Front	10mm	\	\	17.56	18.50	0.111	0.14	0.063	0.08	-0.11
1	B1	Hotspot / Body-Worn	NR n41	518598	2593.0	135RB67	Rear	10mm	\	\	17.56	18.50	0.115	0.14	0.065	0.08	0.10
1	B1	Hotspot	NR n41	518598	2593.0	135RB67	Right	10mm	\	\	17.56	18.50	0.200	0.25	0.101	0.13	0.11
1	B1	Hotspot	NR n41	518598	2593.0	135RB67	Right	10mm	C2	\	17.56	18.50	0.199	0.25	0.104	0.13	-0.10
1	A1	Hotspot / Body-Worn	NR n41	518598	2593.0	135RB67	Front	19mm	\	\	25.44	26.50	0.344	0.44	0.187	0.24	0.06
1	A1	Hotspot / Body-Worn	NR n41	518598	2593.0	135RB67	Rear	19mm	\	\	25.44	26.50	0.425	0.54	0.234	0.30	0.00
1	A1	Hotspot	NR n41	518598	2593.0	135RB67	Right	25mm	\	48	25.44	26.50	0.463	0.59	0.256	0.33	0.14
1	B2	Hotspot / Body-Worn	NR n41	518598	2593.0	135RB67	Front	10mm	\	\	12.68	13.50	0.036	0.04	0.020	0.02	0.00
1	B2	Hotspot / Body-Worn	NR n41	518598	2593.0	135RB67	Rear	10mm	\	\	12.68	13.50	0.037	0.04	0.021	0.03	-0.08
1	B2	Hotspot	NR n41	518598	2593.0	135RB67	Right	10mm	\	\	12.68	13.50	0.065	0.08	0.032	0.04	-0.07
1	B2	Hotspot	NR n41	518598	2593.0	135RB67	Right	10mm	C2	\	12.68	13.50	0.065	0.08	0.033	0.04	-0.15
1	A2	Hotspot / Body-Worn	NR n41	518598	2593.0	135RB67	Front	19mm	\	\	25.44	26.50	0.344	0.44	0.187	0.24	0.06
1	A2	Hotspot / Body-Worn	NR n41	518598	2593.0	135RB67	Rear	19mm	\	\	25.44	26.50	0.425	0.54	0.234	0.30	0.00
1	A2	Hotspot	NR n41	518598	2593.0	135RB67	Right	25mm	\	\	25.44	26.50	0.463	0.59	0.256	0.33	0.14

Note: SAR for NR n38 is covered by NR n41 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 12.25: NR n48 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
2	B1	Head	NR n48	641666	3625.0	50RB25	Left Cheek	0mm	\	\	16.52	17.00	0.490	0.55	0.199	0.22	-0.09
2	B1	Head	NR n48	641666	3625.0	50RB25	Left Tilt	0mm	\	\	16.52	17.00	0.246	0.27	0.105	0.12	0.04
2	B1	Head	NR n48	641666	3625.0	50RB25	Right Cheek	0mm	\	\	16.52	17.00	0.202	0.23	0.093	0.10	-0.02
2	B1	Head	NR n48	641666	3625.0	50RB25	Right Tilt	0mm	\	\	16.52	17.00	0.154	0.17	0.068	0.08	-0.03
2	B1	Hotspot / Body-Worn	NR n48	641666	3625.0	50RB25	Front	10mm	\	\	16.52	17.00	0.150	0.17	0.067	0.07	-0.13
2	B1	Hotspot / Body-Worn	NR n48	641666	3625.0	50RB25	Rear	10mm	\	\	16.52	17.00	0.126	0.14	0.060	0.07	-0.04
2	B1	Hotspot	NR n48	641666	3625.0	50RB25	Right	10mm	\	\	16.52	17.00	0.249	0.28	0.107	0.12	-0.07
2	B1	Hotspot	NR n48	641666	3625.0	50RB25	Top	10mm	\	\	16.52	17.00	0.104	0.12	0.048	0.05	0.17
2	A1	Hotspot / Body-Worn	NR n48	641666	3625.0	50RB25	Front	19mm	\	\	23.13	24.00	0.224	0.27	0.112	0.14	0.09
2	A1	Hotspot / Body-Worn	NR n48	641666	3625.0	50RB25	Rear	19mm	\	\	23.13	24.00	0.296	0.36	0.146	0.18	0.14
2	A1	Hotspot	NR n48	641666	3625.0	50RB25	Right	25mm	\	\	23.13	24.00	0.569	0.70	0.264	0.32	-0.09
2	A1	Hotspot	NR n48	641666	3625.0	50RB25	Top	25mm	\	\	23.13	24.00	0.500	0.61	0.230	0.28	-0.01
2	B1	Head	NR n48	641666	3625.0	50RB25	Left Cheek	0mm	C2	49	16.52	17.00	0.553	0.62	0.235	0.26	0.10
2	B1	Head	NR n48	641666	3625.0	50RB25	Left Tilt	0mm	C2	\	16.52	17.00	0.279	0.31	0.119	0.13	-0.19
2	B1	Head	NR n48	641666	3625.0	50RB25	Right Cheek	0mm	C2	\	16.52	17.00	0.231	0.26	0.115	0.13	0.11
2	B1	Head	NR n48	641666	3625.0	50RB25	Right Tilt	0mm	C2	\	16.52	17.00	0.162	0.18	0.077	0.09	-0.14
2	B1	Hotspot / Body-Worn	NR n48	641666	3625.0	50RB25	Front	10mm	C2	\	16.52	17.00	0.114	0.13	0.058	0.06	-0.10
2	B1	Hotspot / Body-Worn	NR n48	641666	3625.0	50RB25	Rear	10mm	C2	\	16.52	17.00	0.167	0.19	0.081	0.09	-0.16
2	B1	Hotspot	NR n48	641666	3625.0	50RB25	Right	10mm	C2	\	16.52	17.00	0.206	0.23	0.091	0.10	0.13
2	B1	Hotspot	NR n48	641666	3625.0	50RB25	Top	10mm	C2	\	16.52	17.00	0.075	0.08	0.036	0.04	0.01
2	A1	Hotspot / Body-Worn	NR n48	641666	3625.0	50RB25	Front	19mm	C2	\	23.13	24.00	0.244	0.30	0.121	0.15	0.06
2	A1	Hotspot / Body-Worn	NR n48	641666	3625.0	50RB25	Rear	19mm	C2	\	23.13	24.00	0.415	0.51	0.197	0.24	0.02
2	A1	Hotspot	NR n48	641666	3625.0	50RB25	Right	25mm	C2	50	23.13	24.00	0.570	0.70	0.259	0.32	0.14
2	A1	Hotspot	NR n48	641666	3625.0	50RB25	Top	25mm	C2	\	23.13	24.00	0.288	0.35	0.144	0.18	0.19

Table 12.26: NR n77 PC2 Part 27Q SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
2	B1	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Left Cheek	0mm	\	\	15.71	16.50	0.490	0.59	0.207	0.25	-0.11
2	B1	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Left Tilt	0mm	\	\	15.71	16.50	0.266	0.32	0.121	0.15	0.01
2	B1	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Right Cheek	0mm	\	\	15.71	16.50	0.206	0.25	0.100	0.12	-0.03
2	B1	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Right Tilt	0mm	\	\	15.71	16.50	0.177	0.21	0.079	0.10	0.01
2	B2	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Left Cheek	0mm	\	\	12.62	13.50	0.273	0.33	0.114	0.14	-0.03
2	B2	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Left Tilt	0mm	\	\	12.62	13.50	0.148	0.18	0.067	0.08	0.19
2	B2	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Right Cheek	0mm	\	\	12.62	13.50	0.115	0.14	0.055	0.07	0.07
2	B2	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Right Tilt	0mm	\	\	12.62	13.50	0.099	0.12	0.044	0.05	-0.04
2	B1	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Front	10mm	\	\	15.71	16.50	0.110	0.13	0.052	0.06	0.08
2	B1	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Rear	10mm	\	\	15.71	16.50	0.075	0.09	0.035	0.04	-0.02
2	B1	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Right	10mm	\	\	15.71	16.50	0.187	0.22	0.080	0.10	-0.12
2	B1	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Top	10mm	\	\	15.71	16.50	0.077	0.09	0.038	0.05	0.14
2	A1	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Front	19mm	\	\	25.58	26.50	0.509	0.63	0.252	0.31	-0.01
2	A1	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Rear	19mm	\	\	25.58	26.50	0.514	0.64	0.257	0.32	0.18
2	A1	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Right	25mm	\	52	25.58	26.50	0.793	0.98	0.390	0.48	-0.13
2	A1	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Top	25mm	\	\	25.58	26.50	0.694	0.86	0.346	0.43	-0.04
2	B2	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Front	10mm	\	\	12.62	13.50	0.047	0.06	0.022	0.03	-0.06
2	B2	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Rear	10mm	\	\	12.62	13.50	0.032	0.04	0.015	0.02	0.01
2	B2	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Right	10mm	\	\	12.62	13.50	0.080	0.10	0.033	0.04	-0.02
2	B2	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Top	10mm	\	\	12.62	13.50	0.033	0.04	0.016	0.02	0.09
2	A2	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Front	19mm	\	\	25.58	26.50	0.509	0.63	0.252	0.31	-0.01
2	A2	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Rear	19mm	\	\	25.58	26.50	0.514	0.64	0.257	0.32	0.18
2	A2	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Right	25mm	\	\	25.58	26.50	0.793	0.98	0.390	0.48	-0.13
2	A2	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Top	25mm	\	\	25.58	26.50	0.694	0.86	0.346	0.43	-0.04
2	B1	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Left Cheek	0mm	C2	51	15.71	16.50	0.620	0.74	0.269	0.32	0.14
2	B1	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Left Tilt	0mm	C2	\	15.71	16.50	0.352	0.42	0.154	0.18	-0.18
2	B1	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Right Cheek	0mm	C2	\	15.71	16.50	0.258	0.31	0.127	0.15	-0.08
2	B1	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Right Tilt	0mm	C2	\	15.71	16.50	0.181	0.22	0.089	0.11	0.15
2	B2	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Left Cheek	0mm	C2	\	12.62	13.50	0.314	0.38	0.132	0.16	0.02
2	B2	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Left Tilt	0mm	C2	\	12.62	13.50	0.178	0.22	0.076	0.09	0.11
2	B2	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Right Cheek	0mm	C2	\	12.62	13.50	0.131	0.16	0.062	0.08	-0.15
2	B2	Head	NR n77 Part 27Q	633334	3500.0	135RB67	Right Tilt	0mm	C2	\	12.62	13.50	0.092	0.11	0.044	0.05	0.05
2	B1	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Front	10mm	C2	\	15.71	16.50	0.131	0.16	0.064	0.08	-0.01
2	B1	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Rear	10mm	C2	\	15.71	16.50	0.151	0.18	0.072	0.09	0.13
2	B1	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Right	10mm	C2	\	15.71	16.50	0.181	0.22	0.079	0.09	0.04
2	B1	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Top	10mm	C2	\	15.71	16.50	0.073	0.09	0.036	0.04	0.10
2	A1	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Front	19mm	C2	\	25.58	26.50	0.635	0.78	0.319	0.39	0.18
2	A1	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Rear	19mm	C2	\	25.58	26.50	0.699	0.86	0.334	0.41	0.12
2	A1	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Right	25mm	C2	\	25.58	26.50	0.718	0.89	0.349	0.43	0.05
2	A1	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Top	25mm	C2	\	25.58	26.50	0.490	0.61	0.245	0.30	0.09
2	B2	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Front	10mm	C2	\	12.62	13.50	0.062	0.08	0.029	0.04	-0.18
2	B2	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Rear	10mm	C2	\	12.62	13.50	0.072	0.09	0.033	0.04	0.07
2	B2	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Right	10mm	C2	\	12.62	13.50	0.086	0.11	0.036	0.04	0.06
2	B2	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Top	10mm	C2	\	12.62	13.50	0.035	0.04	0.016	0.02	0.06
2	A2	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Front	19mm	C2	\	25.58	26.50	0.635	0.78	0.319	0.39	0.18
2	A2	Hotspot / Body-Worn	NR n77 Part 27Q	633334	3500.0	135RB67	Rear	19mm	C2	\	25.58	26.50	0.699	0.86	0.334	0.41	0.12
2	A2	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Right	25mm	C2	\	25.58	26.50	0.718	0.89	0.349	0.43	0.05
2	A2	Hotspot	NR n77 Part 27Q	633334	3500.0	135RB67	Top	25mm	C2	\	25.58	26.50	0.490	0.61	0.245	0.30	0.09

Note: SAR for NR n78 is covered by NR n77 Part 27Q due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 12.27: NR n77 PC2 Part 270 SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
2	B1	Head	NR n77 Part 270	656000	3840.0	135RB67	Left Cheek	0mm	\	\	15.93	16.50	0.490	0.56	0.199	0.23	-0.08
2	B1	Head	NR n77 Part 270	656000	3840.0	135RB67	Left Tilt	0mm	\	\	15.93	16.50	0.236	0.27	0.100	0.11	-0.15
2	B1	Head	NR n77 Part 270	656000	3840.0	135RB67	Right Cheek	0mm	\	\	15.93	16.50	0.210	0.24	0.096	0.11	0.18
2	B1	Head	NR n77 Part 270	656000	3840.0	135RB67	Right Tilt	0mm	\	\	15.93	16.50	0.156	0.18	0.070	0.08	-0.04
2	B2	Head	NR n77 Part 270	656000	3840.0	135RB67	Left Cheek	0mm	\	\	12.91	13.50	0.230	0.26	0.091	0.10	0.06
2	B2	Head	NR n77 Part 270	656000	3840.0	135RB67	Left Tilt	0mm	\	\	12.91	13.50	0.111	0.13	0.046	0.05	0.19
2	B2	Head	NR n77 Part 270	656000	3840.0	135RB67	Right Cheek	0mm	\	\	12.91	13.50	0.099	0.11	0.044	0.05	-0.18
2	B2	Head	NR n77 Part 270	656000	3840.0	135RB67	Right Tilt	0mm	\	\	12.91	13.50	0.073	0.08	0.032	0.04	0.10
2	B1	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Front	10mm	\	\	15.93	16.50	0.099	0.11	0.048	0.05	0.01
2	B1	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Rear	10mm	\	\	15.93	16.50	0.095	0.11	0.048	0.05	-0.01
2	B1	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Right	10mm	\	\	15.93	16.50	0.247	0.28	0.106	0.12	0.17
2	B1	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Top	10mm	\	\	15.93	16.50	0.049	0.06	0.024	0.03	0.04
2	A1	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Front	19mm	\	\	25.74	26.50	0.385	0.46	0.194	0.23	-0.01
2	A1	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Rear	19mm	\	\	25.74	26.50	0.493	0.59	0.247	0.29	-0.02
2	A1	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Right	25mm	\	54	25.74	26.50	0.867	1.03	0.420	0.50	-0.12
2	A1	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Top	25mm	\	\	25.74	26.50	0.594	0.71	0.286	0.34	-0.07
2	A1	Hotspot	NR n77 Part 270	662000	3930.0	135RB67	Right	25mm	\	\	25.68	26.50	0.706	0.85	0.408	0.49	-0.11
2	A1	Hotspot	NR n77 Part 270	650000	3750.0	135RB67	Right	25mm	\	\	25.66	26.50	0.838	1.02	0.416	0.50	0.13
2	B2	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Front	10mm	\	\	12.91	13.50	0.042	0.05	0.020	0.02	0.00
2	B2	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Rear	10mm	\	\	12.91	13.50	0.040	0.05	0.020	0.02	-0.17
2	B2	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Right	10mm	\	\	12.91	13.50	0.104	0.12	0.044	0.05	0.08
2	B2	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Top	10mm	\	\	12.91	13.50	0.021	0.02	0.010	0.01	0.01
2	A2	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Front	19mm	\	\	25.74	26.50	0.385	0.46	0.194	0.23	-0.01
2	A2	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Rear	19mm	\	\	25.74	26.50	0.493	0.59	0.247	0.29	-0.02
2	A2	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Right	25mm	\	\	25.74	26.50	0.867	1.03	0.420	0.50	-0.12
2	A2	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Top	25mm	\	\	25.74	26.50	0.594	0.71	0.286	0.34	-0.07
2	A2	Hotspot	NR n77 Part 270	662000	3930.0	135RB67	Right	25mm	\	\	25.68	26.50	0.706	0.85	0.408	0.49	-0.11
2	A2	Hotspot	NR n77 Part 270	650000	3750.0	135RB67	Right	25mm	\	\	25.66	26.50	0.838	1.02	0.416	0.50	0.13
2	B1	Head	NR n77 Part 270	656000	3840.0	135RB67	Left Cheek	0mm	C2	53	15.93	16.50	0.619	0.71	0.240	0.27	-0.09
2	B1	Head	NR n77 Part 270	656000	3840.0	135RB67	Left Tilt	0mm	C2	\	15.93	16.50	0.344	0.39	0.134	0.15	0.03
2	B1	Head	NR n77 Part 270	656000	3840.0	135RB67	Right Cheek	0mm	C2	\	15.93	16.50	0.230	0.26	0.110	0.13	0.07
2	B1	Head	NR n77 Part 270	656000	3840.0	135RB67	Right Tilt	0mm	C2	\	15.93	16.50	0.176	0.20	0.077	0.09	-0.05
2	B2	Head	NR n77 Part 270	656000	3840.0	135RB67	Left Cheek	0mm	C2	\	12.91	13.50	0.289	0.33	0.108	0.12	0.14
2	B2	Head	NR n77 Part 270	656000	3840.0	135RB67	Left Tilt	0mm	C2	\	12.91	13.50	0.161	0.18	0.060	0.07	0.00
2	B2	Head	NR n77 Part 270	656000	3840.0	135RB67	Right Cheek	0mm	C2	\	12.91	13.50	0.107	0.12	0.050	0.06	-0.16
2	B2	Head	NR n77 Part 270	656000	3840.0	135RB67	Right Tilt	0mm	C2	\	12.91	13.50	0.082	0.09	0.035	0.04	-0.06
2	B1	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Front	10mm	C2	\	15.93	16.50	0.086	0.10	0.040	0.05	-0.01
2	B1	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Rear	10mm	C2	\	15.93	16.50	0.084	0.10	0.042	0.05	-0.10
2	B1	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Right	10mm	C2	\	15.93	16.50	0.168	0.19	0.071	0.08	0.08
2	B1	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Top	10mm	C2	\	15.93	16.50	0.069	0.08	0.032	0.04	0.11
2	A1	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Front	19mm	C2	\	25.74	26.50	0.344	0.41	0.169	0.20	-0.04
2	A1	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Rear	19mm	C2	\	25.74	26.50	0.554	0.66	0.276	0.33	0.13
2	A1	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Right	25mm	C2	\	25.74	26.50	0.650	0.77	0.316	0.38	-0.08
2	A1	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Top	25mm	C2	\	25.74	26.50	0.542	0.65	0.264	0.31	-0.12
2	A1	Hotspot	NR n77 Part 270	662000	3930.0	135RB67	Right	25mm	C2	\	25.68	26.50	0.625	0.75	0.305	0.37	0.11
2	A1	Hotspot	NR n77 Part 270	650000	3750.0	135RB67	Right	25mm	C2	\	25.66	26.50	0.636	0.77	0.315	0.38	0.03
2	B2	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Front	10mm	C2	\	12.91	13.50	0.039	0.04	0.017	0.02	-0.01
2	B2	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Rear	10mm	C2	\	12.91	13.50	0.038	0.04	0.018	0.02	0.13
2	B2	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Right	10mm	C2	\	12.91	13.50	0.076	0.09	0.030	0.03	-0.03
2	B2	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Top	10mm	C2	\	12.91	13.50	0.031	0.04	0.013	0.02	0.06
2	A2	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Front	19mm	C2	\	25.74	26.50	0.344	0.41	0.169	0.20	-0.04
2	A2	Hotspot / Body-Worn	NR n77 Part 270	656000	3840.0	135RB67	Rear	19mm	C2	\	25.74	26.50	0.554	0.66	0.276	0.33	0.13
2	A2	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Right	25mm	C2	\	25.74	26.50	0.650	0.77	0.316	0.38	-0.08
2	A2	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Top	25mm	C2	\	25.74	26.50	0.542	0.65	0.264	0.31	-0.12
2	A2	Hotspot	NR n77 Part 270	662000	3930.0	135RB67	Right	25mm	C2	\	25.68	26.50	0.625	0.75	0.305	0.37	0.11
2	A2	Hotspot	NR n77 Part 270	650000	3750.0	135RB67	Right	25mm	C2	\	25.66	26.50	0.636	0.77	0.315	0.38	0.03

Table 12.28: Bluetooth SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Duty Cycle %	Duty Cycle Scaling Factor	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
3	/	Head	Bluetooth	39	2441.0	GFSK	Left Cheek	0mm	\	\	11.09	12.00	77.00	1.30	0.081	0.13	0.089	0.14	0.10
3	/	Head	Bluetooth	39	2441.0	GFSK	Left Tilt	0mm	\	\	11.09	12.00	77.00	1.30	0.094	0.15	0.098	0.16	0.19
3	/	Head	Bluetooth	39	2441.0	GFSK	Right Cheek	0mm	\	\	11.09	12.00	77.00	1.30	0.187	0.30	0.177	0.28	-0.18
3	/	Head	Bluetooth	39	2441.0	GFSK	Right Tilt	0mm	\	\	11.09	12.00	77.00	1.30	0.133	0.21	0.123	0.20	0.05
3	/	Hotspot / Body-Worn	Bluetooth	39	2441.0	GFSK	Front	10mm	\	\	11.09	12.00	77.00	1.30	0.036	0.06	0.017	0.03	-0.01
3	/	Hotspot / Body-Worn	Bluetooth	39	2441.0	GFSK	Rear	10mm	\	\	11.09	12.00	77.00	1.30	0.062	0.10	0.033	0.05	0.12
3	/	Hotspot	Bluetooth	39	2441.0	GFSK	Left	10mm	\	\	11.09	12.00	77.00	1.30	<0.01	<0.01	<0.01	<0.01	\
3	/	Hotspot	Bluetooth	39	2441.0	GFSK	Top	10mm	\	\	11.09	12.00	77.00	1.30	<0.01	<0.01	<0.01	<0.01	\
3	/	Head	Bluetooth	39	2441.0	GFSK	Left Cheek	0mm	C2	\	11.09	12.00	77.00	1.30	0.124	0.20	0.063	0.10	0.14
3	/	Head	Bluetooth	39	2441.0	GFSK	Left Tilt	0mm	C2	\	11.09	12.00	77.00	1.30	0.139	0.22	0.067	0.11	-0.14
3	/	Head	Bluetooth	39	2441.0	GFSK	Right Cheek	0mm	C2	55	11.09	12.00	77.00	1.30	0.237	0.38	0.101	0.16	0.06
3	/	Head	Bluetooth	39	2441.0	GFSK	Right Tilt	0mm	C2	\	11.09	12.00	77.00	1.30	0.161	0.26	0.068	0.11	-0.14
3	/	Hotspot / Body-Worn	Bluetooth	39	2441.0	GFSK	Front	10mm	C2	\	11.09	12.00	77.00	1.30	<0.01	<0.01	<0.01	<0.01	\
3	/	Hotspot / Body-Worn	Bluetooth	39	2441.0	GFSK	Rear	10mm	C2	56	11.09	12.00	77.00	1.30	0.097	0.16	0.052	0.08	0.09
3	/	Hotspot	Bluetooth	39	2441.0	GFSK	Left	10mm	C2	\	11.09	12.00	77.00	1.30	<0.01	<0.01	<0.01	<0.01	\
3	/	Hotspot	Bluetooth	39	2441.0	GFSK	Top	10mm	C2	\	11.09	12.00	77.00	1.30	0.091	0.15	0.054	0.09	-0.04

Table 12.29: WLAN 2.4GHz SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Duty Cycle %	Duty Cycle Scaling Factor	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
3	C1/C2	Head	WLAN 2.4GHz	1	2412.0	802.11b	Left Cheek	0mm	\	\	13.86	14.50	98.60	1.01	0.169	0.20	0.090	0.10	0.10
3	C1/C2	Head	WLAN 2.4GHz	1	2412.0	802.11b	Left Tilt	0mm	\	\	13.86	14.50	98.60	1.01	0.207	0.24	0.102	0.12	-0.08
3	C1/C2	Head	WLAN 2.4GHz	1	2412.0	802.11b	Right Cheek	0mm	\	57	13.86	14.50	98.60	1.01	0.341	0.40	0.147	0.17	-0.12
3	C1/C2	Head	WLAN 2.4GHz	1	2412.0	802.11b	Right Tilt	0mm	\	\	13.86	14.50	98.60	1.01	0.243	0.28	0.107	0.13	0.14
3	D1	Hotspot / Body-Worn	WLAN 2.4GHz	1	2412.0	802.11b	Front	10mm	\	\	17.92	18.50	98.60	1.01	0.172	0.20	0.099	0.11	0.17
3	D1	Hotspot / Body-Worn	WLAN 2.4GHz	1	2412.0	802.11b	Rear	10mm	\	58	17.92	18.50	98.60	1.01	0.340	0.39	0.182	0.21	0.13
3	D1	Hotspot	WLAN 2.4GHz	1	2412.0	802.11b	Left	10mm	\	\	17.92	18.50	98.60	1.01	0.091	0.11	0.053	0.06	0.12
3	D1	Hotspot	WLAN 2.4GHz	1	2412.0	802.11b	Top	10mm	\	\	17.92	18.50	98.60	1.01	0.208	0.24	0.119	0.14	-0.09
3	D2	Hotspot / Body-Worn	WLAN 2.4GHz	1	2412.0	802.11b	Front	10mm	\	\	13.86	14.50	98.60	1.01	0.065	0.08	0.038	0.04	0.05
3	D2	Hotspot / Body-Worn	WLAN 2.4GHz	1	2412.0	802.11b	Rear	10mm	\	\	13.86	14.50	98.60	1.01	0.128	0.15	0.070	0.08	-0.02
3	D2	Hotspot	WLAN 2.4GHz	1	2412.0	802.11b	Left	10mm	\	\	13.86	14.50	98.60	1.01	0.061	0.07	0.023	0.03	0.10
3	D2	Hotspot	WLAN 2.4GHz	1	2412.0	802.11b	Top	10mm	\	\	13.86	14.50	98.60	1.01	0.098	0.11	0.072	0.05	-0.05
3	C1/C2	Head	WLAN 2.4GHz	1	2412.0	802.11b	Left Cheek	0mm	C2	\	13.86	14.50	98.60	1.01	0.145	0.17	0.076	0.09	-0.18
3	C1/C2	Head	WLAN 2.4GHz	1	2412.0	802.11b	Left Tilt	0mm	C2	\	13.86	14.50	98.60	1.01	0.170	0.20	0.084	0.10	0.16
3	C1/C2	Head	WLAN 2.4GHz	1	2412.0	802.11b	Right Cheek	0mm	C2	\	13.86	14.50	98.60	1.01	0.274	0.32	0.122	0.14	-0.16
3	C1/C2	Head	WLAN 2.4GHz	1	2412.0	802.11b	Right Tilt	0mm	C2	\	13.86	14.50	98.60	1.01	0.193	0.23	0.089	0.10	0.07
3	D1	Hotspot / Body-Worn	WLAN 2.4GHz	1	2412.0	802.11b	Front	10mm	C2	\	17.92	18.50	98.60	1.01	0.173	0.20	0.093	0.11	-0.01
3	D1	Hotspot / Body-Worn	WLAN 2.4GHz	1	2412.0	802.11b	Rear	10mm	C2	\	17.92	18.50	98.60	1.01	0.320	0.37	0.172	0.20	0.09
3	D1	Hotspot	WLAN 2.4GHz	1	2412.0	802.11b	Left	10mm	C2	\	17.92	18.50	98.60	1.01	0.083	0.10	0.043	0.05	0.02
3	D1	Hotspot	WLAN 2.4GHz	1	2412.0	802.11b	Top	10mm	C2	\	17.92	18.50	98.60	1.01	0.298	0.34	0.153	0.18	0.17
3	D2	Hotspot / Body-Worn	WLAN 2.4GHz	1	2412.0	802.11b	Front	10mm	C2	\	13.86	14.50	98.60	1.01	0.057	0.07	0.030	0.04	-0.14
3	D2	Hotspot / Body-Worn	WLAN 2.4GHz	1	2412.0	802.11b	Rear	10mm	C2	\	13.86	14.50	98.60	1.01	0.105	0.12	0.056	0.07	-0.15
3	D2	Hotspot	WLAN 2.4GHz	1	2412.0	802.11b	Left	10mm	C2	\	13.86	14.50	98.60	1.01	0.052	0.06	0.023	0.03	0.08
3	D2	Hotspot	WLAN 2.4GHz	1	2412.0	802.11b	Top	10mm	C2	\	13.86	14.50	98.60	1.01	0.098	0.11	0.050	0.06	0.13

Note:

1. According to the KDB 248227 D01, SAR is measured for 2.4GHz 802.11b DSSS using the initial test position procedure.
2. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
3. According to the KDB 248227 D01, the reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.
4. SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.

Table 12.30: WLAN 5GHz SAR Values

ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Duty Cycle %	Duty Cycle Scaling Factor	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
3	C1	Head	U-NII-2A	60	5300.0	802.11a	Left Cheek	0mm	\	\	15.94	16.50	98.25	1.02	0.177	0.21	0.067	0.08	0.15
3	C1	Head	U-NII-2A	60	5300.0	802.11a	Left Tilt	0mm	\	\	15.94	16.50	98.25	1.02	0.179	0.21	0.063	0.07	0.11
3	C1	Head	U-NII-2A	60	5300.0	802.11a	Right Cheek	0mm	\	\	15.94	16.50	98.25	1.02	0.263	0.31	0.100	0.12	0.03
3	C1	Head	U-NII-2A	60	5300.0	802.11a	Right Tilt	0mm	\	\	15.94	16.50	98.25	1.02	0.243	0.28	0.096	0.10	-0.12
3	C1	Head	U-NII-2C	116	5580.0	802.11a	Left Cheek	0mm	\	\	15.30	16.00	98.25	1.02	0.185	0.22	0.064	0.08	-0.11
3	C1	Head	U-NII-2C	116	5580.0	802.11a	Left Tilt	0mm	\	\	15.30	16.00	98.25	1.02	0.173	0.21	0.058	0.07	-0.13
3	C1	Head	U-NII-2C	116	5580.0	802.11a	Right Cheek	0mm	\	\	15.30	16.00	98.25	1.02	0.290	0.35	0.104	0.12	0.01
3	C1	Head	U-NII-2C	116	5580.0	802.11a	Right Tilt	0mm	\	\	15.30	16.00	98.25	1.02	0.240	0.29	0.085	0.10	0.16
3	C1	Head	U-NII-3	165	5825.0	802.11a	Left Cheek	0mm	\	\	15.01	16.00	98.25	1.02	0.152	0.19	0.047	0.06	-0.07
3	C1	Head	U-NII-3	165	5825.0	802.11a	Left Tilt	0mm	\	\	15.01	16.00	98.25	1.02	0.144	0.18	0.043	0.06	-0.17
3	C1	Head	U-NII-3	165	5825.0	802.11a	Right Cheek	0mm	\	\	15.01	16.00	98.25	1.02	0.208	0.27	0.070	0.09	-0.04
3	C1	Head	U-NII-3	165	5825.0	802.11a	Right Tilt	0mm	\	\	15.01	16.00	98.25	1.02	0.176	0.23	0.055	0.07	0.06
3	C2	Head	U-NII-2A	60	5300.0	802.11a	Left Cheek	0mm	\	\	12.92	13.50	98.25	1.02	0.108	0.13	0.040	0.05	-0.03
3	C2	Head	U-NII-2A	60	5300.0	802.11a	Left Tilt	0mm	\	\	12.92	13.50	98.25	1.02	0.110	0.13	0.038	0.04	-0.14
3	C2	Head	U-NII-2A	60	5300.0	802.11a	Right Cheek	0mm	\	\	12.92	13.50	98.25	1.02	0.161	0.19	0.060	0.07	0.16
3	C2	Head	U-NII-2A	60	5300.0	802.11a	Right Tilt	0mm	\	\	12.92	13.50	98.25	1.02	0.149	0.17	0.051	0.06	0.08
3	C2	Head	U-NII-2C	116	5580.0	802.11a	Left Cheek	0mm	\	\	10.35	11.00	98.25	1.02	0.055	0.07	0.019	0.02	-0.16
3	C2	Head	U-NII-2C	116	5580.0	802.11a	Left Tilt	0mm	\	\	10.35	11.00	98.25	1.02	0.051	0.06	0.017	0.02	-0.02
3	C2	Head	U-NII-2C	116	5580.0	802.11a	Right Cheek	0mm	\	\	10.35	11.00	98.25	1.02	0.086	0.10	0.031	0.04	-0.19
3	C2	Head	U-NII-2C	116	5580.0	802.11a	Right Tilt	0mm	\	\	10.35	11.00	98.25	1.02	0.071	0.08	0.025	0.03	0.01
3	C2	Head	U-NII-3	165	5825.0	802.11a	Left Cheek	0mm	\	\	10.09	11.00	98.25	1.02	0.070	0.09	0.022	0.03	-0.13
3	C2	Head	U-NII-3	165	5825.0	802.11a	Left Tilt	0mm	\	\	10.09	11.00	98.25	1.02	0.067	0.08	0.020	0.03	-0.10
3	C2	Head	U-NII-3	165	5825.0	802.11a	Right Cheek	0mm	\	\	10.09	11.00	98.25	1.02	0.096	0.12	0.033	0.04	0.05
3	C2	Head	U-NII-3	165	5825.0	802.11a	Right Tilt	0mm	\	\	10.09	11.00	98.25	1.02	0.081	0.10	0.026	0.03	0.15
3	D1	Hotspot	U-NII-1	48	5240.0	802.11a	Front	10mm	\	\	15.78	16.50	98.25	1.02	0.085	0.10	0.038	0.05	0.08
3	D1	Hotspot	U-NII-1	48	5240.0	802.11a	Rear	10mm	\	\	15.78	16.50	98.25	1.02	0.180	0.22	0.085	0.10	0.18
3	D1	Hotspot	U-NII-1	48	5240.0	802.11a	Left	10mm	\	60	15.78	16.50	98.25	1.02	0.258	0.31	0.103	0.12	-0.14
3	D1	Hotspot	U-NII-1	48	5240.0	802.11a	Top	10mm	\	\	15.78	16.50	98.25	1.02	0.197	0.24	0.089	0.11	0.09
3	D1	Hotspot	U-NII-3	165	5825.0	802.11a	Front	10mm	\	\	15.01	16.00	98.25	1.02	0.059	0.08	0.023	0.03	-0.10
3	D1	Hotspot	U-NII-3	165	5825.0	802.11a	Rear	10mm	\	\	15.01	16.00	98.25	1.02	0.116	0.15	0.045	0.06	-0.11
3	D1	Hotspot	U-NII-3	165	5825.0	802.11a	Left	10mm	\	\	15.01	16.00	98.25	1.02	0.155	0.20	0.056	0.07	-0.11
3	D1	Hotspot	U-NII-3	165	5825.0	802.11a	Top	10mm	\	\	15.01	16.00	98.25	1.02	0.120	0.15	0.050	0.06	0.16
3	D2	Hotspot	U-NII-1	48	5240.0	802.11a	Front	10mm	\	\	12.82	13.50	98.25	1.02	0.051	0.06	0.022	0.03	-0.09
3	D2	Hotspot	U-NII-1	48	5240.0	802.11a	Rear	10mm	\	\	12.82	13.50	98.25	1.02	0.107	0.13	0.049	0.06	-0.04
3	D2	Hotspot	U-NII-1	48	5240.0	802.11a	Left	10mm	\	\	12.82	13.50	98.25	1.02	0.142	0.17	0.055	0.07	0.08
3	D2	Hotspot	U-NII-1	48	5240.0	802.11a	Top	10mm	\	\	12.82	13.50	98.25	1.02	0.118	0.14	0.051	0.06	0.09
3	D2	Hotspot	U-NII-3	165	5825.0	802.11a	Front	10mm	\	\	10.09	11.00	98.25	1.02	0.021	0.03	0.008	0.01	0.01
3	D2	Hotspot	U-NII-3	165	5825.0	802.11a	Rear	10mm	\	\	10.09	11.00	98.25	1.02	0.042	0.05	0.016	0.02	0.14
3	D2	Hotspot	U-NII-3	165	5825.0	802.11a	Left	10mm	\	\	10.09	11.00	98.25	1.02	0.051	0.06	0.022	0.03	-0.11
3	D2	Hotspot	U-NII-3	165	5825.0	802.11a	Top	10mm	\	\	10.09	11.00	98.25	1.02	0.043	0.05	0.018	0.02	0.10
3	D1	Body-Worn	U-NII-2A	60	5300.0	802.11a	Front	10mm	\	\	15.94	16.50	98.25	1.02	0.077	0.09	0.034	0.04	0.07
3	D1	Body-Worn	U-NII-2A	60	5300.0	802.11a	Rear	10mm	\	\	15.94	16.50	98.25	1.02	0.226	0.26	0.102	0.12	0.18
3	D1	Body-Worn	U-NII-2C	116	5580.0	802.11a	Front	10mm	\	\	15.30	16.00	98.25	1.02	0.096	0.11	0.042	0.05	-0.18
3	D1	Body-Worn	U-NII-2C	116	5580.0	802.11a	Rear	10mm	\	\	15.30	16.00	98.25	1.02	0.194	0.23	0.084	0.10	-0.08
3	D1	Body-Worn	U-NII-3	165	5825.0	802.11a	Front	10mm	\	\	15.01	16.00	98.25	1.02	0.059	0.08	0.023	0.03	-0.10
3	D1	Body-Worn	U-NII-3	165	5825.0	802.11a	Rear	10mm	\	\	15.01	16.00	98.25	1.02	0.116	0.15	0.045	0.06	-0.11
3	D2	Body-Worn	U-NII-2A	60	5300.0	802.11a	Front	10mm	\	\	12.92	13.50	98.25	1.02	0.038	0.04	0.017	0.06	0.13
3	D2	Body-Worn	U-NII-2A	60	5300.0	802.11a	Rear	10mm	\	\	12.92	13.50	98.25	1.02	0.113	0.13	0.050	0.06	-0.18
3	D2	Body-Worn	U-NII-2C	116	5580.0	802.11a	Front	10mm	\	\	10.35	11.00	98.25	1.02	0.028	0.03	0.010	0.01	-0.07
3	D2	Body-Worn	U-NII-2C	116	5580.0	802.11a	Rear	10mm	\	\	10.35	11.00	98.25	1.02	0.056	0.07	0.020	0.02	-0.11
3	D2	Body-Worn	U-NII-3	165	5825.0	802.11a	Front	10mm	\	\	10.09	11.00	98.25	1.02	0.021	0.03	0.008	0.01	0.01
3	D2	Body-Worn	U-NII-3	165	5825.0	802.11a	Rear	10mm	\	\	10.09	11.00	98.25	1.02	0.042	0.05	0.016	0.02	0.14
3	D1	Extremity	U-NII-2A	60	5300.0	802.11a	Front	0mm	\	\	15.94	16.50	98.25	1.02	0.846	0.98	0.235	0.27	0.02
3	D1	Extremity	U-NII-2A	60	5300.0	802.11a	Rear	0mm	\	\	15.94	16.50	98.25	1.02	1.170	1.36	0.383	0.44	0.00
3	D1	Extremity	U-NII-2A	60	5300.0	802.11a	Left	0mm	\	61	15.94	16.50	98.25	1.02	2.130	2.47	0.554	0.64	0.16
3	D1	Extremity	U-NII-2A	60	5300.0	802.11a	Top	0mm	\	\	15.94	16.50	98.25	1.02	0.339	0.39	0.126	0.15	0.19
3	D1	Extremity	U-NII-2C	116	5580.0	802.11a	Front	0mm	\	\	15.30	16.00	98.25	1.02	0.588	0.70	0.180	0.22	-0.03
3	D1	Extremity	U-NII-2C	116	5580.0	802.11a	Rear	0mm	\	\	15.30	16.00	98.25	1.02	0.765	0.92	0.271	0.32	-0.07
3	D1	Extremity	U-NII-3	116	5580.0	802.11a	Left	0mm	\	\	15.30	16.00	98.25	1.02	1.380	1.65	0.369	0.44	-0.11
3	D1	Extremity	U-NII-3	116	5580.0	802.11a	Top	0mm	\	\	15.30	16.00	98.25	1.02	0.239	0.29	0.089	0.11	0.17
3	D2	Extremity	U-NII-2A	60	5300.0	802.11a	Front	0mm	\	\	12.92	13.50	98.25	1.02	0.405	0.47	0.116	0.14	-0.19
3	D2	Extremity	U-NII-2A	60	5300.0	802.11a	Rear	0mm	\	\	12.92	13.50	98.25	1.02	0.560	0.65	0.199	0.22	0.06
3	D2	Extremity	U-NII-2A	60	5300.0	802.11a	Left	0mm	\	\	12.92	13.50	98.25	1.02	0.996	1.16	0.282	0.33	0.12
3	D2	Extremity	U-NII-2A	60	5300.0	802.11a	Top	0mm	\	\	12.92	13.50	98.25	1.02	0.162	0.19	0.062	0.07	0.03
3	D2	Extremity	U-NII-2C	116	5580.0	802.11a	Front	0mm	\	\	10.35	11.00	98.25	1.02	0.185	0.22	0.054	0.06	0.03
3	D2	Extremity	U-NII-2C	116	5580.0	802.11a	Rear	0mm	\	\	10.35	11.00	98.25	1.02	0.241	0.29	0.082	0.10	-0.02
3	D2	Extremity	U-NII-2C	116	5580.0	802.11a	Left	0mm	\	\	10.35	11.00	98.25	1.02	0.456	0.54	0.129	0.15	-0.05
3	D2	Extremity	U-NII-2C	116	5580.0	802.11a	Top	0mm	\	\	10.35	11.00	98.25	1.02	0.075	0.09	0.027	0.03	-0.02



ANT	Power Level	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test Position	Distance	Note	Figure No.	EUT Measured Power (dBm)	Tune up (dBm)	Duty Cycle %	Duty Cycle Scaling Factor	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
3	C1	Head	U-NII-2A	60	5300.0	802.11a	Left Cheek	0mm	C2	\	15.94	16.50	98.25	1.02	0.126	0.15	0.054	0.06	-0.06
3	C1	Head	U-NII-2A	60	5300.0	802.11a	Left Tilt	0mm	C2	\	15.94	16.50	98.25	1.02	0.151	0.18	0.060	0.07	0.15
3	C1	Head	U-NII-2A	60	5300.0	802.11a	Right Cheek	0mm	C2	\	15.94	16.50	98.25	1.02	0.213	0.25	0.076	0.09	-0.17
3	C1	Head	U-NII-2A	60	5300.0	802.11a	Right Tilt	0mm	C2	\	15.94	16.50	98.25	1.02	0.144	0.17	0.064	0.07	-0.09
3	C1	Head	U-NII-2C	116	5580.0	802.11a	Left Cheek	0mm	C2	\	15.30	16.00	98.25	1.02	0.387	0.46	0.141	0.17	-0.19
3	C1	Head	U-NII-2C	116	5580.0	802.11a	Left Tilt	0mm	C2	\	15.30	16.00	98.25	1.02	0.448	0.54	0.158	0.19	-0.08
3	C1	Head	U-NII-2C	116	5580.0	802.11a	Right Cheek	0mm	C2	\	15.30	16.00	98.25	1.02	0.564	0.68	0.191	0.23	-0.16
3	C1	Head	U-NII-2C	116	5580.0	802.11a	Right Tilt	0mm	C2	\	15.30	16.00	98.25	1.02	0.476	0.57	0.183	0.22	0.19
3	C1	Head	U-NII-3	165	5825.0	802.11a	Left Cheek	0mm	C2	\	15.01	16.00	98.25	1.02	0.501	0.64	0.166	0.21	0.06
3	C1	Head	U-NII-3	165	5825.0	802.11a	Left Tilt	0mm	C2	\	15.01	16.00	98.25	1.02	0.533	0.68	0.177	0.23	0.12
3	C1	Head	U-NII-3	165	5825.0	802.11a	Right Cheek	0mm	C2	59	15.01	16.00	98.25	1.02	0.591	0.76	0.196	0.25	-0.15
3	C1	Head	U-NII-3	165	5825.0	802.11a	Right Tilt	0mm	C2	\	15.01	16.00	98.25	1.02	0.552	0.71	0.177	0.23	0.04
3	C2	Head	U-NII-2A	60	5300.0	802.11a	Left Cheek	0mm	C2	\	12.92	13.50	98.25	1.02	0.068	0.08	0.021	0.02	0.00
3	C2	Head	U-NII-2A	60	5300.0	802.11a	Left Tilt	0mm	C2	\	12.92	13.50	98.25	1.02	0.082	0.10	0.024	0.03	-0.01
3	C2	Head	U-NII-2A	60	5300.0	802.11a	Right Cheek	0mm	C2	\	12.92	13.50	98.25	1.02	0.115	0.13	0.030	0.03	-0.17
3	C2	Head	U-NII-2A	60	5300.0	802.11a	Right Tilt	0mm	C2	\	12.92	13.50	98.25	1.02	0.078	0.09	0.025	0.03	0.01
3	C2	Head	U-NII-2C	116	5580.0	802.11a	Left Cheek	0mm	C2	\	10.35	11.00	98.25	1.02	0.080	0.09	0.019	0.02	-0.17
3	C2	Head	U-NII-2C	116	5580.0	802.11a	Left Tilt	0mm	C2	\	10.35	11.00	98.25	1.02	0.092	0.11	0.022	0.03	0.11
3	C2	Head	U-NII-2C	116	5580.0	802.11a	Right Cheek	0mm	C2	\	10.35	11.00	98.25	1.02	0.116	0.14	0.026	0.03	0.05
3	C2	Head	U-NII-2C	116	5580.0	802.11a	Right Tilt	0mm	C2	\	10.35	11.00	98.25	1.02	0.098	0.12	0.025	0.03	0.01
3	C2	Head	U-NII-3	165	5825.0	802.11a	Left Cheek	0mm	C2	\	10.09	11.00	98.25	1.02	0.139	0.17	0.036	0.05	-0.18
3	C2	Head	U-NII-3	165	5825.0	802.11a	Left Tilt	0mm	C2	\	10.09	11.00	98.25	1.02	0.148	0.19	0.039	0.05	-0.10
3	C2	Head	U-NII-3	165	5825.0	802.11a	Right Cheek	0mm	C2	\	10.09	11.00	98.25	1.02	0.164	0.21	0.043	0.05	0.18
3	C2	Head	U-NII-3	165	5825.0	802.11a	Right Tilt	0mm	C2	\	10.09	11.00	98.25	1.02	0.153	0.19	0.039	0.05	-0.11
3	D1	Hotspot	U-NII-1	48	5240.0	802.11a	Front	10mm	C2	\	15.78	16.50	98.25	1.02	0.066	0.08	0.026	0.03	0.07
3	D1	Hotspot	U-NII-1	48	5240.0	802.11a	Rear	10mm	C2	\	15.78	16.50	98.25	1.02	0.087	0.10	0.040	0.05	0.00
3	D1	Hotspot	U-NII-1	48	5240.0	802.11a	Left	10mm	C2	\	15.78	16.50	98.25	1.02	0.129	0.16	0.053	0.06	0.16
3	D1	Hotspot	U-NII-1	48	5240.0	802.11a	Top	10mm	C2	\	15.78	16.50	98.25	1.02	0.124	0.15	0.055	0.07	0.15
3	D1	Hotspot	U-NII-3	165	5825.0	802.11a	Front	10mm	C2	\	15.01	16.00	98.25	1.02	0.151	0.19	0.062	0.08	0.19
3	D1	Hotspot	U-NII-3	165	5825.0	802.11a	Rear	10mm	C2	\	15.01	16.00	98.25	1.02	0.079	0.10	0.034	0.04	-0.04
3	D1	Hotspot	U-NII-3	165	5825.0	802.11a	Left	10mm	C2	\	15.01	16.00	98.25	1.02	0.106	0.14	0.042	0.05	0.11
3	D1	Hotspot	U-NII-3	165	5825.0	802.11a	Top	10mm	C2	\	15.01	16.00	98.25	1.02	0.205	0.26	0.076	0.10	0.02
3	D2	Hotspot	U-NII-1	48	5240.0	802.11a	Front	10mm	C2	\	12.82	13.50	98.25	1.02	0.043	0.05	0.018	0.02	0.04
3	D2	Hotspot	U-NII-1	48	5240.0	802.11a	Rear	10mm	C2	\	12.82	13.50	98.25	1.02	0.056	0.07	0.027	0.03	0.16
3	D2	Hotspot	U-NII-1	48	5240.0	802.11a	Left	10mm	C2	\	12.82	13.50	98.25	1.02	0.074	0.09	0.032	0.04	0.10
3	D2	Hotspot	U-NII-1	48	5240.0	802.11a	Top	10mm	C2	\	12.82	13.50	98.25	1.02	0.080	0.10	0.038	0.04	0.07
3	D2	Hotspot	U-NII-3	165	5825.0	802.11a	Front	10mm	C2	\	10.09	11.00	98.25	1.02	0.055	0.07	0.021	0.03	0.08
3	D2	Hotspot	U-NII-3	165	5825.0	802.11a	Rear	10mm	C2	\	10.09	11.00	98.25	1.02	0.029	0.04	0.012	0.01	-0.15
3	D2	Hotspot	U-NII-3	165	5825.0	802.11a	Left	10mm	C2	\	10.09	11.00	98.25	1.02	0.065	0.08	0.021	0.03	0.07
3	D2	Hotspot	U-NII-3	165	5825.0	802.11a	Top	10mm	C2	\	10.09	11.00	98.25	1.02	0.074	0.09	0.026	0.03	0.01
3	D1	Body-Worn	U-NII-2A	60	5300.0	802.11a	Front	10mm	C2	\	15.94	16.50	98.25	1.02	0.086	0.10	0.036	0.04	0.13
3	D1	Body-Worn	U-NII-2A	60	5300.0	802.11a	Rear	10mm	C2	\	15.94	16.50	98.25	1.02	0.126	0.15	0.054	0.06	0.02
3	D1	Body-Worn	U-NII-2C	116	5580.0	802.11a	Front	10mm	C2	\	15.30	16.00	98.25	1.02	0.114	0.14	0.046	0.06	-0.11
3	D1	Body-Worn	U-NII-2C	116	5580.0	802.11a	Rear	10mm	C2	\	15.30	16.00	98.25	1.02	0.127	0.15	0.054	0.06	0.08
3	D1	Body-Worn	U-NII-3	165	5825.0	802.11a	Front	10mm	C2	\	15.01	16.00	98.25	1.02	0.151	0.19	0.062	0.08	0.19
3	D1	Body-Worn	U-NII-3	165	5825.0	802.11a	Rear	10mm	C2	\	15.01	16.00	98.25	1.02	0.079	0.10	0.034	0.04	-0.04
3	D2	Body-Worn	U-NII-2A	60	5300.0	802.11a	Front	10mm	C2	\	12.92	13.50	98.25	1.02	0.032	0.04	0.014	0.02	-0.04
3	D2	Body-Worn	U-NII-2A	60	5300.0	802.11a	Rear	10mm	C2	\	12.92	13.50	98.25	1.02	0.047	0.05	0.021	0.02	-0.19
3	D2	Body-Worn	U-NII-2C	116	5580.0	802.11a	Front	10mm	C2	\	10.35	11.00	98.25	1.02	0.029	0.03	0.011	0.01	0.00
3	D2	Body-Worn	U-NII-2C	116	5580.0	802.11a	Rear	10mm	C2	\	10.35	11.00	98.25	1.02	0.032	0.04	0.013	0.02	0.08
3	D2	Body-Worn	U-NII-3	165	5825.0	802.11a	Front	10mm	C2	\	10.09	11.00	98.25	1.02	0.055	0.07	0.021	0.03	0.08
3	D2	Body-Worn	U-NII-3	165	5825.0	802.11a	Rear	10mm	C2	\	10.09	11.00	98.25	1.02	0.029	0.04	0.012	0.01	-0.15
3	D1	Extremity	U-NII-2A	60	5300.0	802.11a	Front	0mm	C2	\	15.94	16.50	98.25	1.02	0.690	0.80	0.259	0.30	0.03
3	D1	Extremity	U-NII-2A	60	5300.0	802.11a	Rear	0mm	C2	\	15.94	16.50	98.25	1.02	0.661	0.77	0.216	0.25	0.13
3	D1	Extremity	U-NII-2A	60	5300.0	802.11a	Left	0mm	C2	\	15.94	16.50	98.25	1.02	1.220	1.42	0.361	0.42	-0.05
3	D1	Extremity	U-NII-2A	60	5300.0	802.11a	Top	0mm	C2	\	15.94	16.50	98.25	1.02	0.974	1.13	0.270	0.31	0.01
3	D1	Extremity	U-NII-2C	116	5580.0	802.11a	Front	0mm	C2	\	15.30	16.00	98.25	1.02	0.828	0.99	0.279	0.33	-0.08
3	D1	Extremity	U-NII-2C	116	5580.0	802.11a	Rear	0mm	C2	\	15.30	16.00	98.25	1.02	0.450	0.54	0.164	0.20	0.13
3	D1	Extremity	U-NII-2C	116	5580.0	802.11a	Left	0mm	C2	\	15.30	16.00	98.25	1.02	0.859	1.03	0.249	0.30	0.05
3	D1	Extremity	U-NII-2C	116	5580.0	802.11a	Top	0mm	C2	\	15.30	16.00	98.25	1.02	1.140	1.37	0.366	0.44	0.12
3	D2	Extremity	U-NII-2A	60	5300.0	802.11a	Front	0mm	C2	\	12.92	13.50	98.25	1.02	0.295	0.34	0.111	0.13	0.18
3	D2	Extremity	U-NII-2A	60	5300.0	802.11a	Rear	0mm	C2	\	12.92	13.50	98.25	1.02	0.282	0.33	0.093	0.11	0.10
3	D2	Extremity	U-NII-2A	60	5300.0	802.11a	Left	0mm	C2	\	12.92	13.50	98.25	1.02	0.333	0.39	0.129	0.15	-0.02
3	D2	Extremity	U-NII-2A	60	5300.0	802.11a	Top	0mm	C2	\	12.92	13.50	98.25	1.02	0.416	0.48	0.116	0.14	-0.10
3	D2	Extremity	U-NII-2C	116	5580.0	802.11a	Front	0mm	C2	\	10.35	11.00	98.25	1.02	0.307	0.36	0.105	0.12	0.09
3	D2	Extremity	U-NII-2C	116	5580.0	802.11a	Rear	0mm	C2	\	10.35	11.00	98.25	1.02	0.167	0.20	0.062	0.07	-0.03
3	D2	Extremity	U-NII-2C	116	5580.0	802.11a	Left	0mm	C2	\	10.35	11.00	98.25	1.02	0.374	0.44	0.120	0.14	0.07
3	D2	Extremity	U-NII-2C	116	5580.0	802.11a	Top	0mm	C2	\	10.35	11.00	98.25	1.02	0.423	0.50	0.138	0.16	0.08

Note:

1. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

13. SAR Measurement Variability

SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

The following procedures are applied to determine if repeated measurements are required.

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

Table 13.1: SAR Measurement Variability

Antenna	Power Level	RF Exposure Conditions	Frequency Band	Frequency		Mode/RB	Test Position	Distance	Original	1 st Repeated	Ratio	2 nd Repeated
				Ch.	MHz				SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
0	B1	Hotspot / Body-Worn	NR n66	344000	1720.0	80RB40	Rear	10mm	0.921	0.905	1.02	/
2	A1	Hotspot	NR n77 Part 270	656000	3840.0	135RB67	Right	25mm	0.867	0.842	1.03	/

14. Measurement Uncertainty

14.1. Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	13.0	N	2	1	1	6.5	6.5	∞
2	Axial isotropy	B	4.7	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	4.3	4.3	∞
3	Hemispherical isotropy	B	9.6	R	$\sqrt{3}$	1	1	4.8	4.8	∞
4	Boundary effect	B	1.1	R	$\sqrt{3}$	1	1	0.6	0.6	∞
5	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
6	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
7	Modulation response	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
8	Readout electronics	B	1.0	N	1	1	1	1.0	1.0	∞
9	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
10	Integration time	B	1.7	R	$\sqrt{3}$	1	1	1.0	1.0	∞
11	RF ambient conditions-noise	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
12	RF ambient conditions-reflection	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Probe positioned mech. restrictions	B	0.35	R	$\sqrt{3}$	1	1	0.2	0.2	∞
14	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
15	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
16	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	5
17	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
18	Power scaling	B	0	R	$\sqrt{3}$	1	1	0	0	∞
19	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
20	Phantom uncertainty	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
21	Algorithm for correcting SAR for deviations in permittivity and conductivity	B	1.9	N	1	1	0.84	1.9	1.6	∞
22	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
23	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	9
24	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
25	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	0.96	0.78	9
Combined standard uncertainty, $u_c = \sqrt{\sum_{i=1}^{25} c_i^2 u_i^2}$								11.7	11.5	95.5
Expanded uncertainty (Confidence interval of 95 %), $u_e = 2u_c$								23.4	23.0	

14.2. Measurement Uncertainty for Normal SAR Tests (3GHz~6GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	14.0	N	2	1	1	7.0	7.0	∞
2	Axial isotropy	B	4.7	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	4.3	4.3	∞
3	Hemispherical isotropy	B	9.6	R	$\sqrt{3}$	1	1	4.8	4.8	∞
4	Boundary effect	B	1.1	R	$\sqrt{3}$	1	1	0.6	0.6	∞
5	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
6	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
7	modulation response	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
8	Readout electronics	B	1.0	N	1	1	1	1.0	1.0	∞
9	Response time	B	0.0	R	$\sqrt{3}$	1	1	0.0	0.0	∞
10	Integration time	B	1.7	R	$\sqrt{3}$	1	1	1.0	1.0	∞
11	RF ambient conditions-noise	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
12	RF ambient conditions-reflection	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Probe positioned mech. Restrictions	B	0.35	R	$\sqrt{3}$	1	1	0.2	0.2	∞
14	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
15	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
16	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	5
17	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
18	Power scaling	B	0	R	$\sqrt{3}$	1	1	0	0	∞
19	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
20	Phantom uncertainty	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
21	Algorithm for correcting SAR for deviations in permittivity and conductivity	B	1.9	N	1	1	0.84	1.9	1.6	∞
22	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
23	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	9
24	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
25	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	0.96	0.78	9
Combined standard uncertainty, $u_c = \sqrt{\sum_{i=1}^{25} c_i^2 u_i^2}$								12.0	11.8	95.5
Expanded uncertainty (Confidence interval of 95 %), $u_e = 2u_c$								24.0	23.6	

15. Main Test Instruments

Table 15.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	E5071C	MY46103759	2024-11-12	One year
02	Dielectric probe	85070E	MY44300317	/	/
03	Power meter	E4418B	MY50000366	2024-12-09	One year
04	Power sensor	E9304A	MY50000188	2024-12-09	One year
05	Power meter	NRP	102603	2024-12-17	One year
06	Power sensor	NRP-Z51	102211	2024-12-17	One year
07	Signal Generator	E8257D	MY47461211	2025-01-10	One year
08	Amplifier	VTL5400	0404	/	/
09	DAE	DAE4	786	2024-12-12	One year
10	E-field Probe	EX3DV4	7621	2025-07-25	One year
11	Dipole Validation Kit	D750V3	1163	2022-08-22	Three years
12	Dipole Validation Kit	D835V2	4d057	2024-09-26	Three years
13	Dipole Validation Kit	D1750V2	1152	2022-08-22	Three years
14	Dipole Validation Kit	D1900V2	5d088	2024-09-26	Three years
15	Dipole Validation Kit	D2300V2	1059	2024-09-03	Three years
16	Dipole Validation Kit	D2450V2	873	2024-09-26	Three years
17	Dipole Validation Kit	D2550V2	1010	2024-04-23	Three years
18	Dipole Validation Kit	D3500V2	1084	2022-09-19	Three years
19	Dipole Validation Kit	D3700V2	1049	2022-09-22	Three years
20	Dipole Validation Kit	D3900V2	1028	2022-09-22	Three years
21	Dipole Validation Kit	D5GHzV2	1238	2022-08-17	Three years
22	BTS	E5515C	GB46110722	2025-01-11	One year
23	BTS	MT8820C	6201341853	2025-03-21	One year
24	BTS	CMW500	152499	2025-07-11	One year
25	Thermometer	51II	99250045	2024-11-21	One year

ANNEX A: Graph Results

WCDMA Band 2 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band 2	WCDMA, 10011-CAC	1852.400, 9262	7.75	1.35	41.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-05	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-05	2025-08-05
psSAR1g [W/Kg]	0.135	0.146
psSAR10g [W/Kg]	0.080	0.090
Power Drift [dB]	-0.06	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.3
Dist 3dB Peak [mm]		13.1

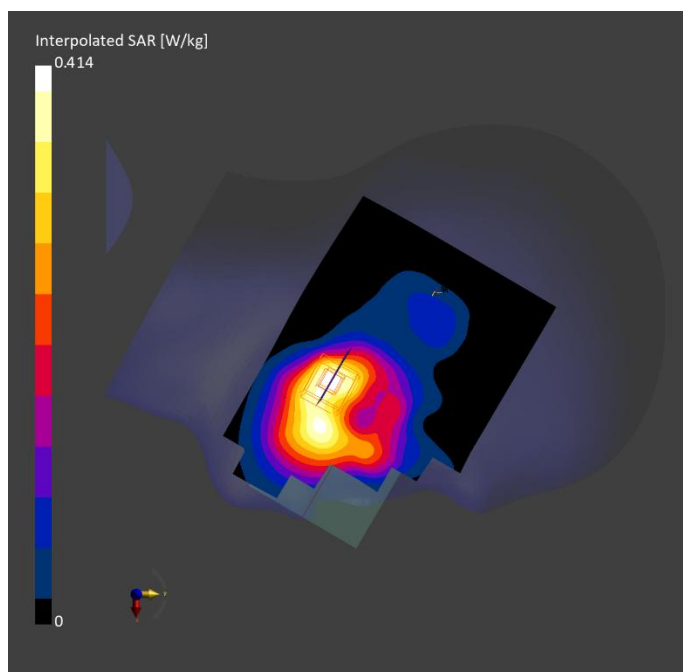


Fig.1 WCDMA Band 2 Head

WCDMA Band 2 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 2	WCDMA, 10011-CAC	1852.400, 9262	7.75	1.35	41.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-05	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-05	2025-08-05
psSAR1g [W/Kg]	0.607	0.627
psSAR10g [W/Kg]	0.347	0.360
Power Drift [dB]	-0.07	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.4
Dist 3dB Peak [mm]		16.0

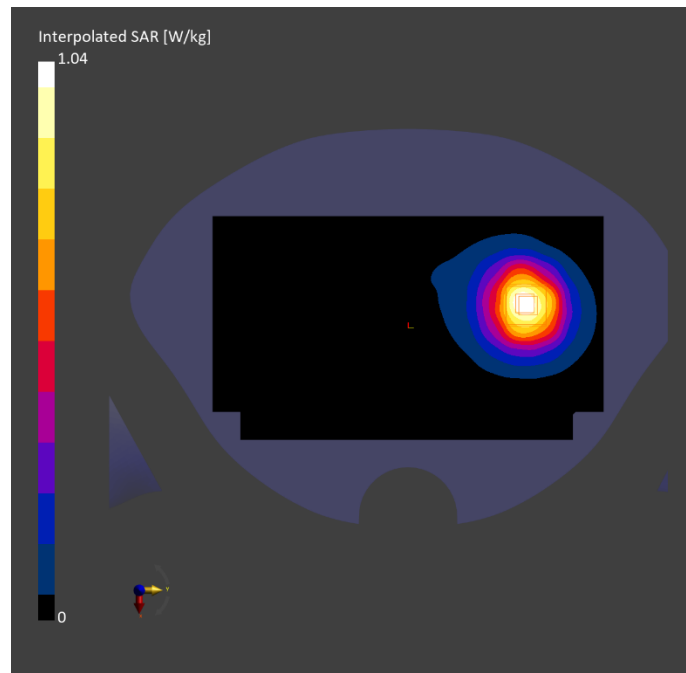


Fig.2 WCDMA Band 2 Body

WCDMA Band 4 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 4	WCDMA, 10011-CAC	1712.400, 1312	8.05	1.33	41.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1750MHz-Head Charge:2025-08-03	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-03	2025-08-03
psSAR1g [W/Kg]	0.168	0.172
psSAR10g [W/Kg]	0.095	0.105
Power Drift [dB]	-0.02	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.4
Dist 3dB Peak [mm]		9.9

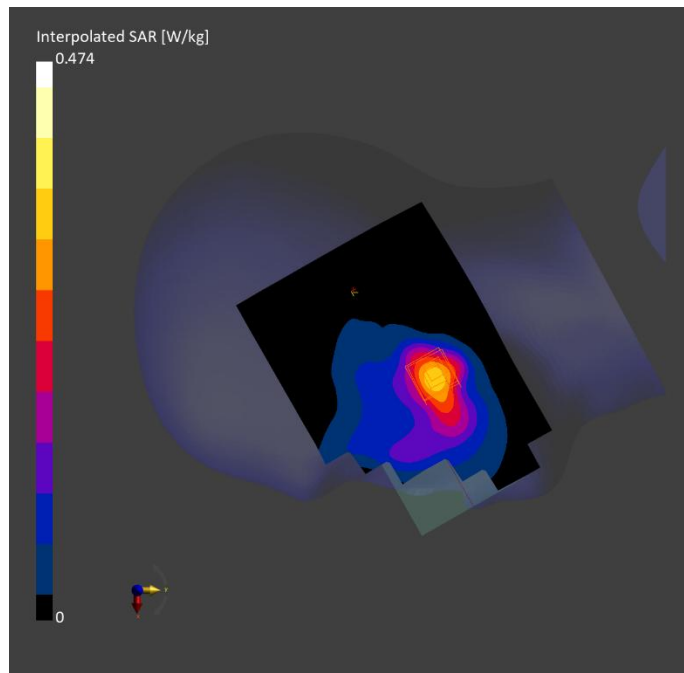


Fig.3 WCDMA Band 4 Head

WCDMA Band 4 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 4	WCDMA, 10011-CAC	1712.400, 1312	8.05	1.33	41.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1750MHz-Head Charge:2025-08-03	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-03	2025-08-03
psSAR1g [W/Kg]	0.702	0.689
psSAR10g [W/Kg]	0.423	0.409
Power Drift [dB]	-0.05	-0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.2
Dist 3dB Peak [mm]		16.0

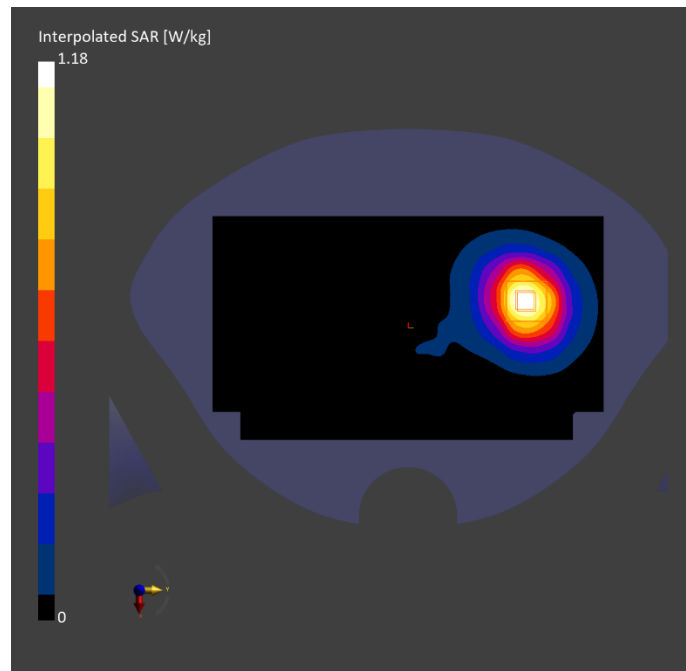


Fig.4 WCDMA Band 4 Body

**WCDMA Band 5 Head****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 5	WCDMA, 10011-CAC	836.600, 4183	9.21	0.927	40.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	900MHz-Head Charge:2025-08-02	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-02	2025-08-02
psSAR1g [W/Kg]	0.586	0.624
psSAR10g [W/Kg]	0.397	0.450
Power Drift [dB]	-0.10	-0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.9
Dist 3dB Peak [mm]		17.5

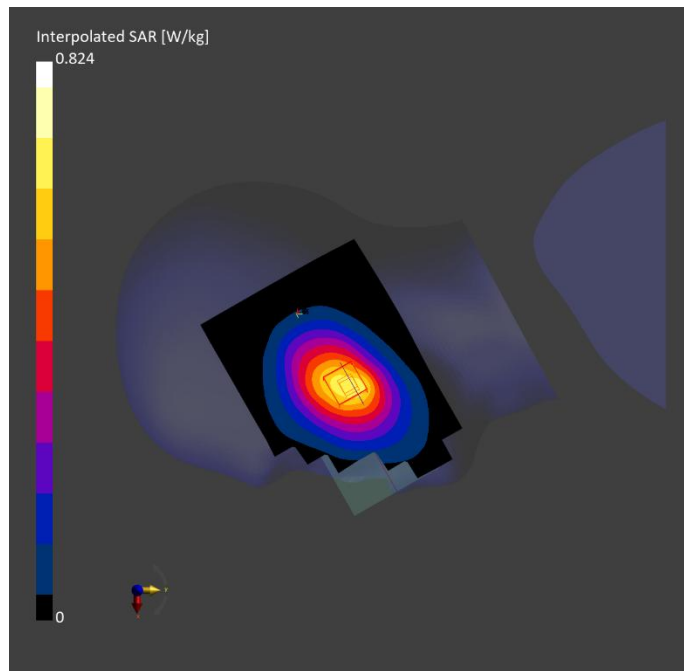


Fig.5 WCDMA Band 5 Head

**WCDMA Band 5 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 5	WCDMA, 10011-CAC	836.600, 4183	9.21	0.927	40.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	900MHz-Head Charge:2025-08-02	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-02	2025-08-02
psSAR1g [W/Kg]	0.432	0.451
psSAR10g [W/Kg]	0.301	0.329
Power Drift [dB]	0.02	0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.7
Dist 3dB Peak [mm]		> 16.0

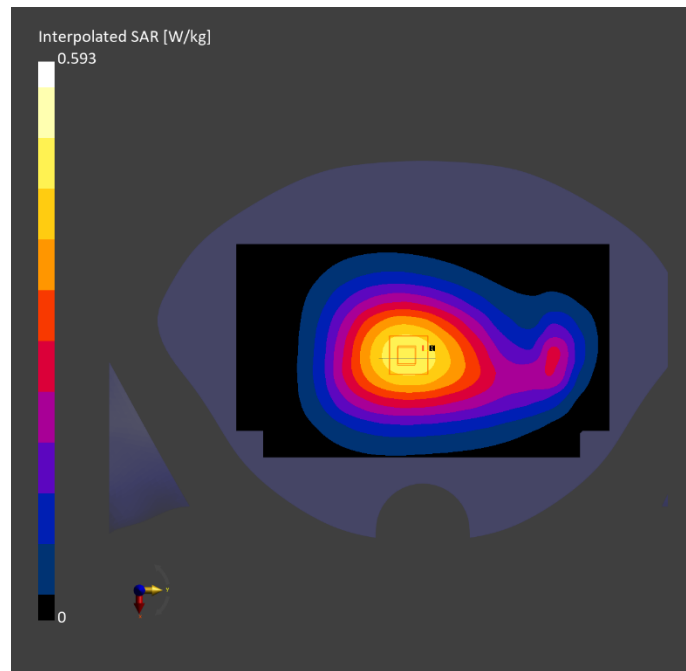


Fig.6 WCDMA Band 5 Body

**LTE Band 2 Head****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 2	LTE-FDD, 10169-CAF	1860.000, 18700	7.75	1.36	40.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-05	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-05	2025-08-05
psSAR1g [W/Kg]	0.277	0.306
psSAR10g [W/Kg]	0.152	0.156
Power Drift [dB]	-0.13	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.0
Dist 3dB Peak [mm]		9.2

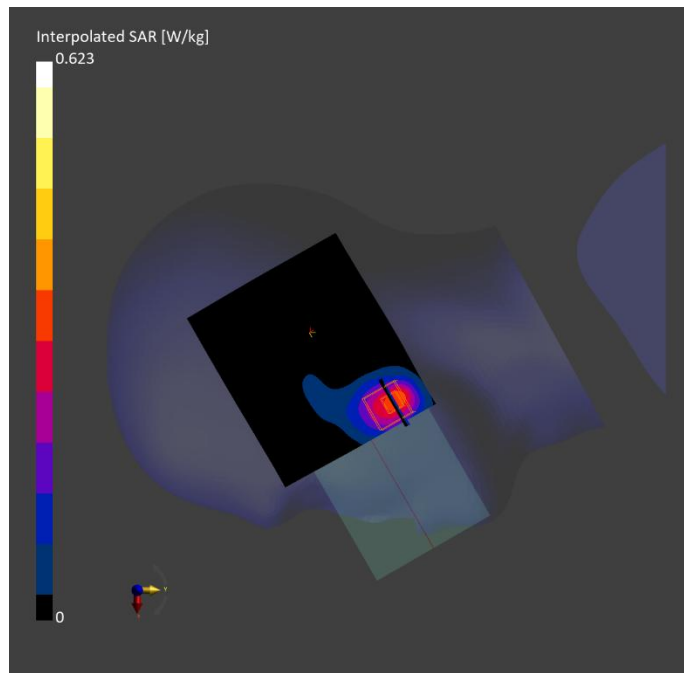


Fig.7 LTE Band 2 Head

**LTE Band 2 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 19.00	Band 2	LTE-FDD, 10169-CAF	1860.000, 18700	7.75	1.36	40.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-05	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-05	2025-08-05
psSAR1g [W/Kg]	0.155	0.167
psSAR10g [W/Kg]	0.101	0.112
Power Drift [dB]	-0.03	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.1
Dist 3dB Peak [mm]		> 16.0

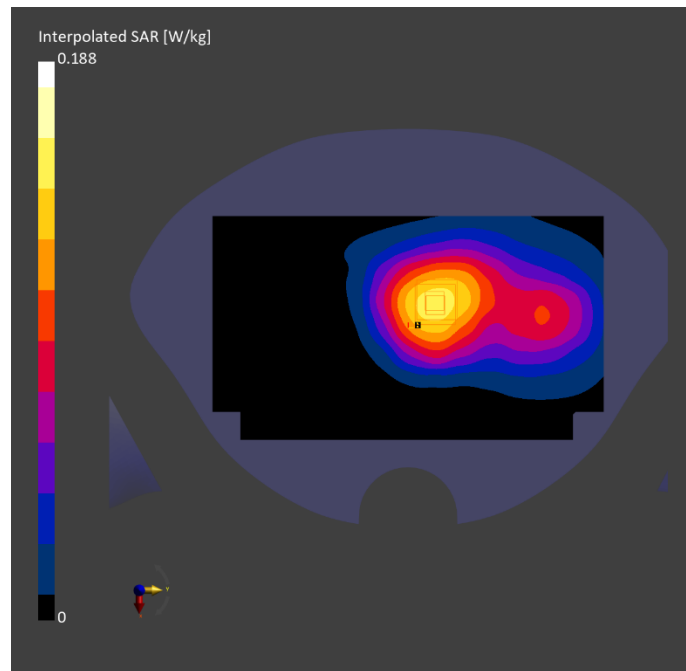


Fig.8 LTE Band 2 Body

**LTE Band 7 Head****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band 7	LTE-FDD, 10169-CAF	2560.000, 21350	7.16	1.96	38.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-07	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-07	2025-08-07
psSAR1g [W/Kg]	0.291	0.290
psSAR10g [W/Kg]	0.151	0.157
Power Drift [dB]	0.08	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.1
Dist 3dB Peak [mm]		12.2

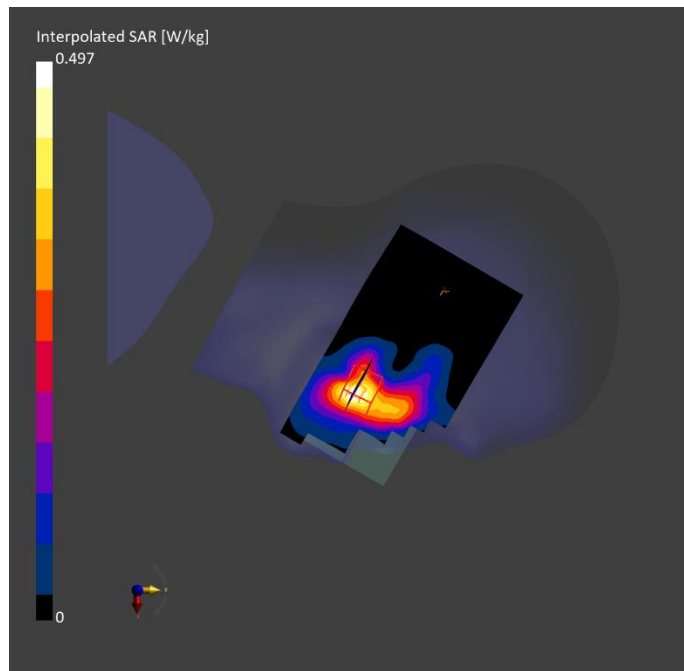


Fig.9 LTE Band 7 Head

LTE Band 7 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 7	LTE-FDD, 10169-CAF	2560.000, 21350	7.16	1.96	38.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-07	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-07	2025-08-07
psSAR1g [W/Kg]	0.592	0.589
psSAR10g [W/Kg]	0.304	0.302
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.8
Dist 3dB Peak [mm]		14.4

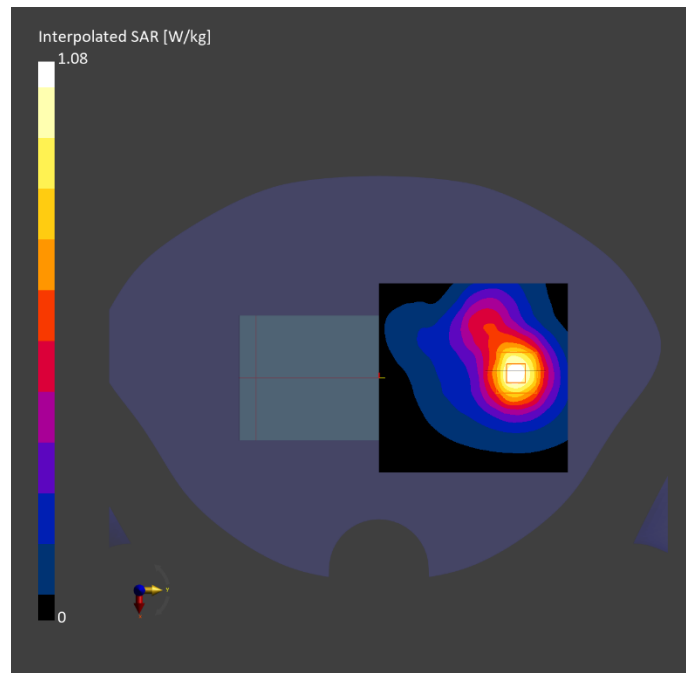


Fig.10 LTE Band 7 Body

LTE Band 12 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 12	LTE-FDD, 10175-CAH	711.000, 23130	9.65	0.888	42.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-08	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-08	2025-08-08
psSAR1g [W/Kg]	0.374	0.392
psSAR10g [W/Kg]	0.256	0.288
Power Drift [dB]	-0.06	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.8
Dist 3dB Peak [mm]		21.1

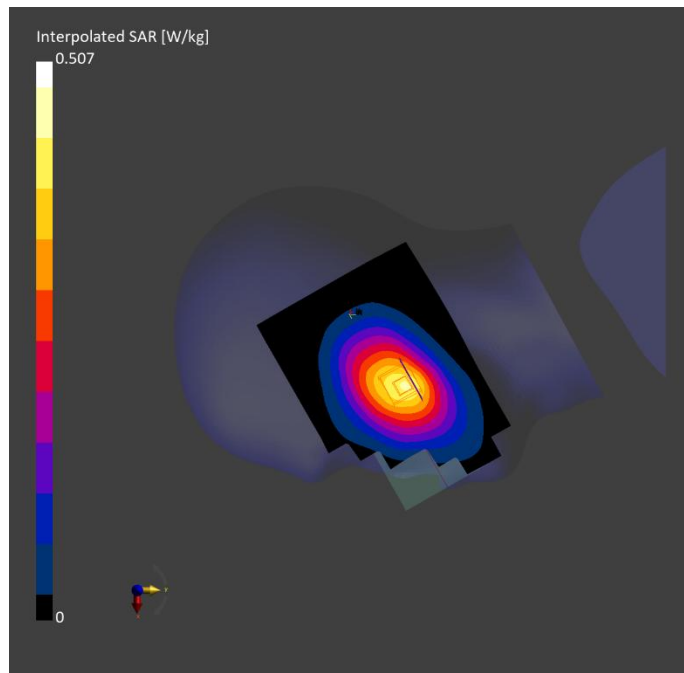


Fig.11 LTE Band 12 Head

LTE Band 12 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 12	LTE-FDD, 10175-CAH	711.000, 23130	9.65	0.888	42.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-08	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-08	2025-08-08
psSAR1g [W/Kg]	0.371	0.359
psSAR10g [W/Kg]	0.263	0.214
Power Drift [dB]	0.05	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.4
Dist 3dB Peak [mm]		> 16.0

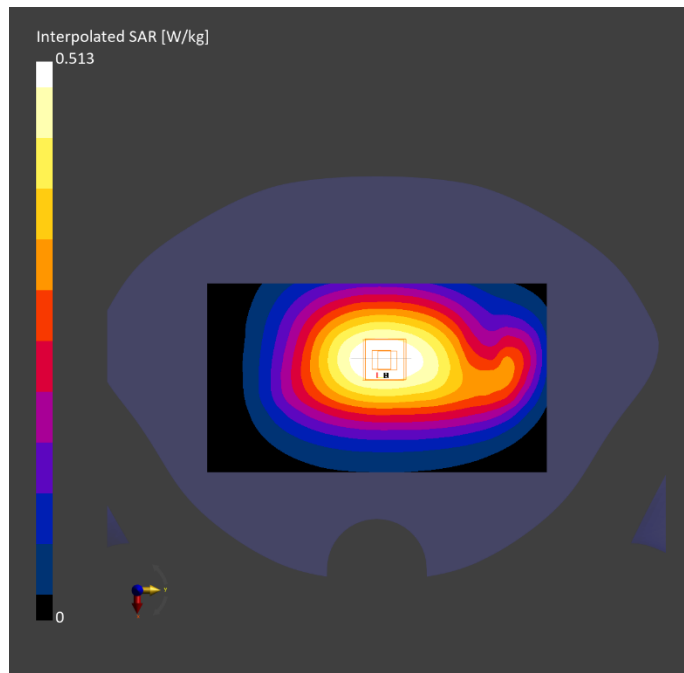


Fig.12 LTE Band 12 Body

LTE Band 13 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 13	LTE-FDD, 10175-CAH	782.000, 23230	9.65	0.898	42.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-04	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-04	2025-08-04
psSAR1g [W/Kg]	0.475	0.503
psSAR10g [W/Kg]	0.322	0.364
Power Drift [dB]	-0.02	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.4
Dist 3dB Peak [mm]		21.0

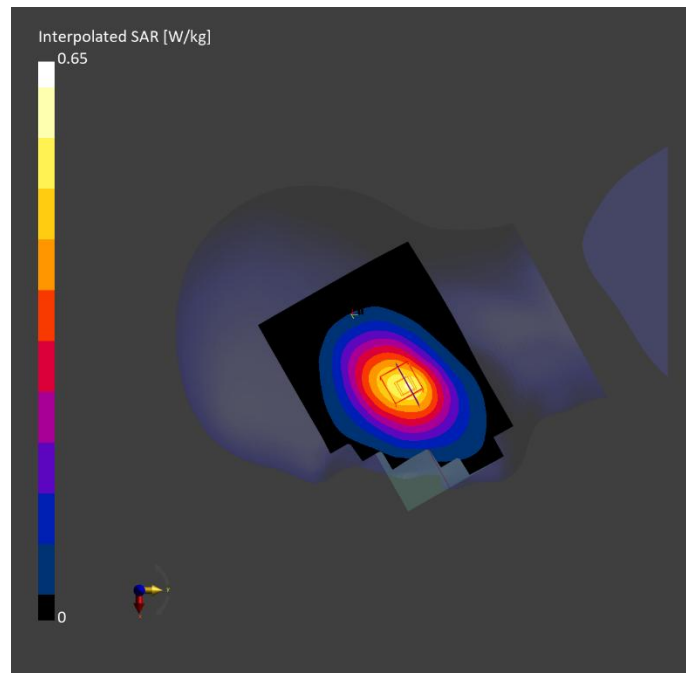


Fig.13 LTE Band 13 Head

LTE Band 13 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 13	LTE-FDD, 10175-CAH	782.000, 23230	9.65	0.898	42.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-04	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-04	2025-08-04
psSAR1g [W/Kg]	0.517	0.538
psSAR10g [W/Kg]	0.363	0.396
Power Drift [dB]	-0.01	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.3
Dist 3dB Peak [mm]		> 16.0

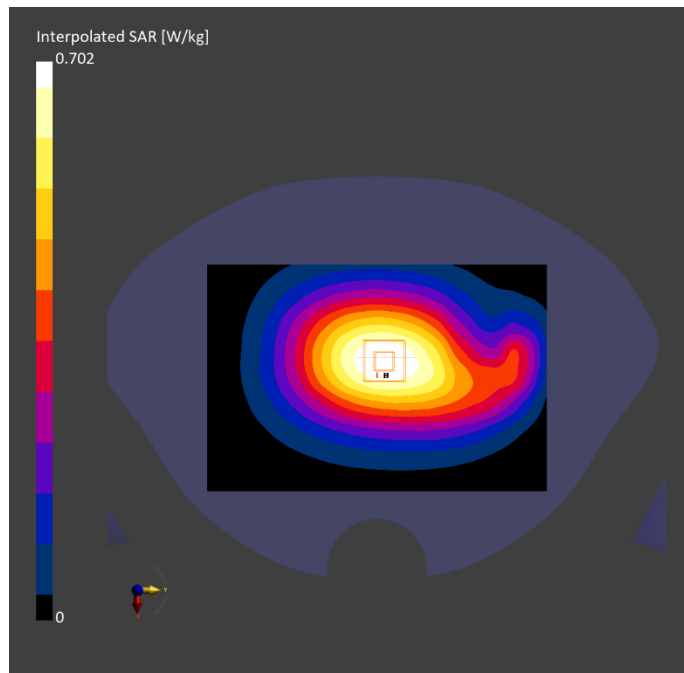


Fig.14 LTE Band 13 Body

LTE Band 14 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 14	LTE-FDD, 10175-CAH	793.000, 23330	9.65	0.905	42.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-04	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-04	2025-08-04
psSAR1g [W/Kg]	0.444	0.464
psSAR10g [W/Kg]	0.300	0.337
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.4
Dist 3dB Peak [mm]		19.7

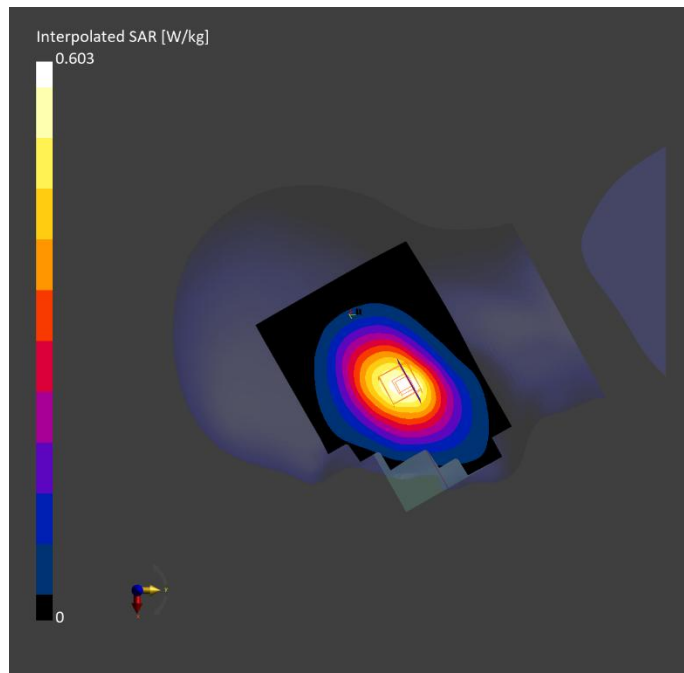


Fig.15 LTE Band 14 Head

LTE Band 14 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 14	LTE-FDD, 10175-CAH	793.000, 23330	9.65	0.905	42.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-04	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-04	2025-08-04
psSAR1g [W/Kg]	0.444	0.465
psSAR10g [W/Kg]	0.311	0.343
Power Drift [dB]	-0.03	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.4
Dist 3dB Peak [mm]		> 16.0

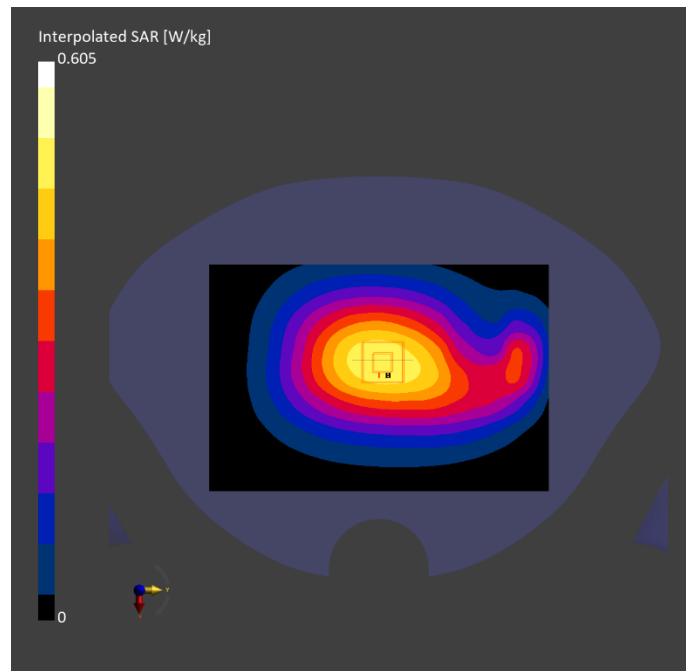


Fig.16 LTE Band 14 Body

LTE Band 25 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band 25	LTE-FDD, 10169-CAF	1860.000, 26140	7.75	1.40	39.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-11	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-11	2025-08-11
psSAR1g [W/Kg]	0.106	0.126
psSAR10g [W/Kg]	0.065	0.078
Power Drift [dB]	-0.07	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.8
Dist 3dB Peak [mm]		22.6

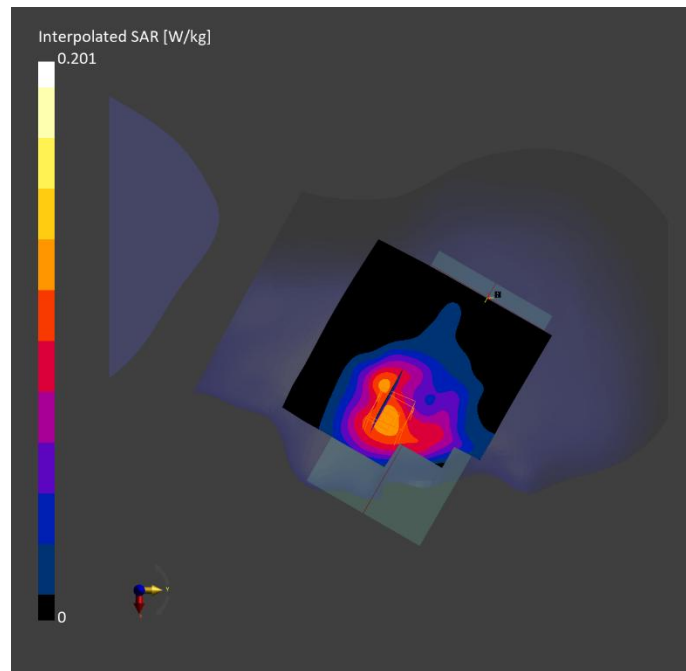


Fig.17 LTE Band 25 Head

**LTE Band 25 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 25	LTE-FDD, 10169-CAF	1860.000, 26140	7.75	1.40	39.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-11	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-11	2025-08-11
psSAR1g [W/Kg]	0.560	0.564
psSAR10g [W/Kg]	0.322	0.312
Power Drift [dB]	-0.08	-0.18
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.8
Dist 3dB Peak [mm]		14.8

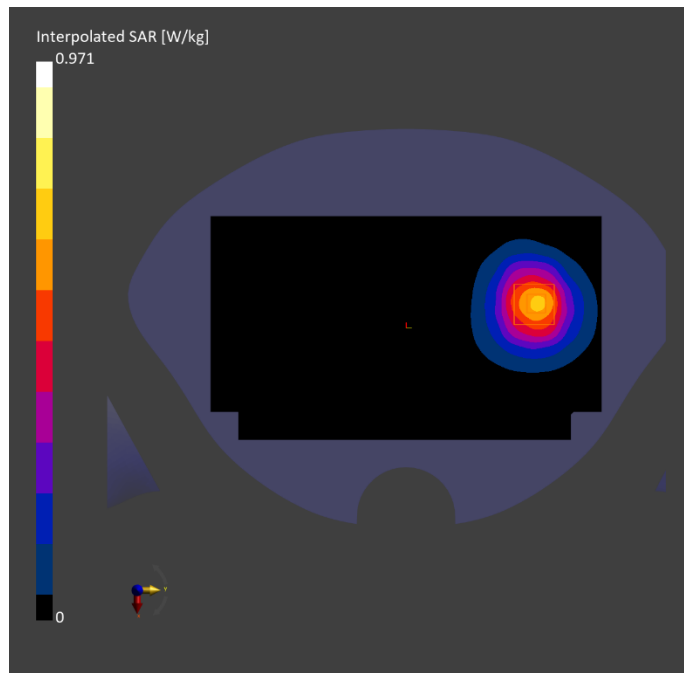


Fig.18 LTE Band 25 Body

**LTE Band 26 Head****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 26	LTE-FDD, 10181-CAF	821.500, 26765	9.21	0.914	40.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	900MHz-Head Charge:2025-08-02	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-02	2025-08-02
psSAR1g [W/Kg]	0.423	0.447
psSAR10g [W/Kg]	0.286	0.322
Power Drift [dB]	-0.16	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.2
Dist 3dB Peak [mm]		19.6

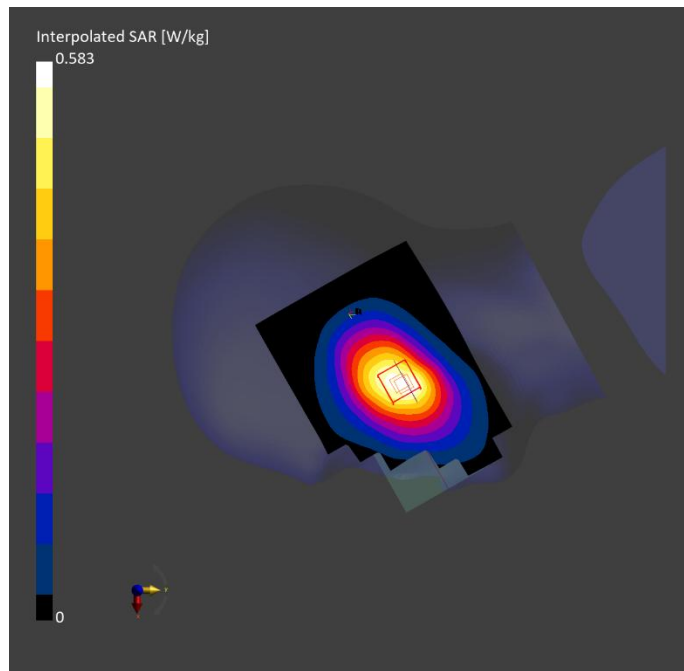


Fig.19 LTE Band 26 Head

**LTE Band 26 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 26	LTE-FDD, 10181-CAF	821.500, 26765	9.21	0.914	40.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	900MHz-Head Charge:2025-08-02	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-02	2025-08-02
psSAR1g [W/Kg]	0.346	0.362
psSAR10g [W/Kg]	0.261	0.264
Power Drift [dB]	-0.04	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.5
Dist 3dB Peak [mm]		> 16.0

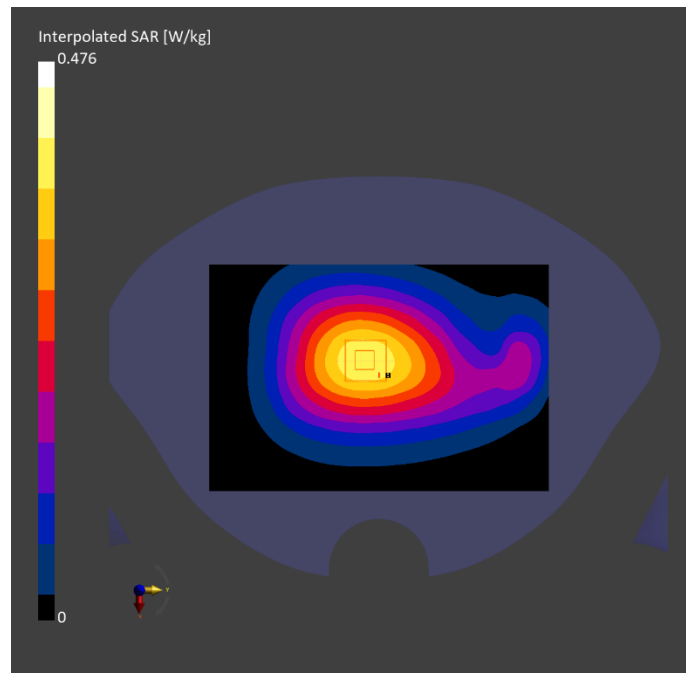


Fig.20 LTE Band 26 Body

**LTE Band 30 Head****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 30	LTE-FDD, 10175-CAH	2310.000, 27710	7.57	1.71	38.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2300MHz-Head Charge:2025-08-06	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-06	2025-08-06
psSAR1g [W/Kg]	0.359	0.370
psSAR10g [W/Kg]	0.186	0.203
Power Drift [dB]	-0.08	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.6
Dist 3dB Peak [mm]		11.9

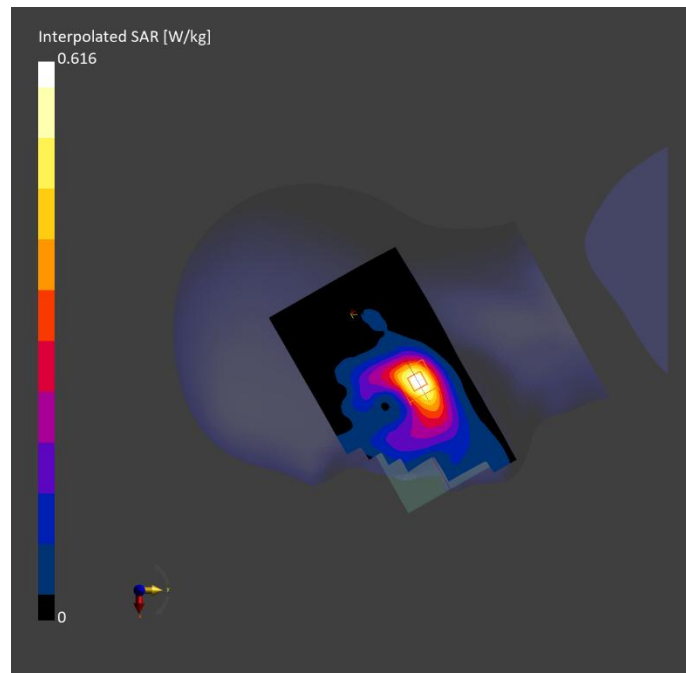


Fig.21 LTE Band 30 Head

**LTE Band 30 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BOTTOM, 10.00	Band 30	LTE-FDD, 10175-CAH	2310.000, 27710	7.57	1.71	38.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2300MHz-Head Charge:2025-08-06	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-06	2025-08-06
psSAR1g [W/Kg]	0.522	0.529
psSAR10g [W/Kg]	0.284	0.290
Power Drift [dB]	0.05	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		15.2

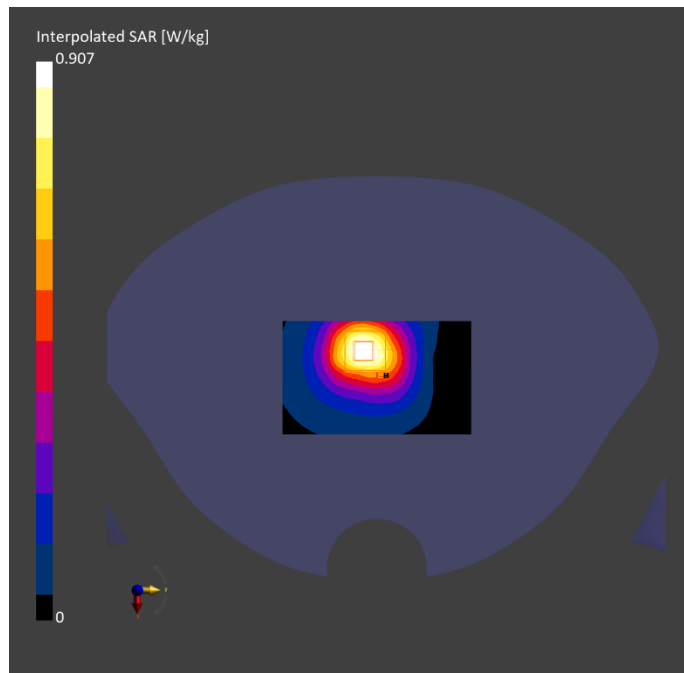


Fig.22 LTE Band 30 Body

LTE Band 66 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 66	LTE-FDD, 10169-CAF	1745.000, 132322	8.05	1.38	39.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1750MHz-Head Charge:2025-08-13	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-13	2025-08-13
psSAR1g [W/Kg]	0.398	0.425
psSAR10g [W/Kg]	0.214	0.218
Power Drift [dB]	-0.07	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.2
Dist 3dB Peak [mm]		9.1

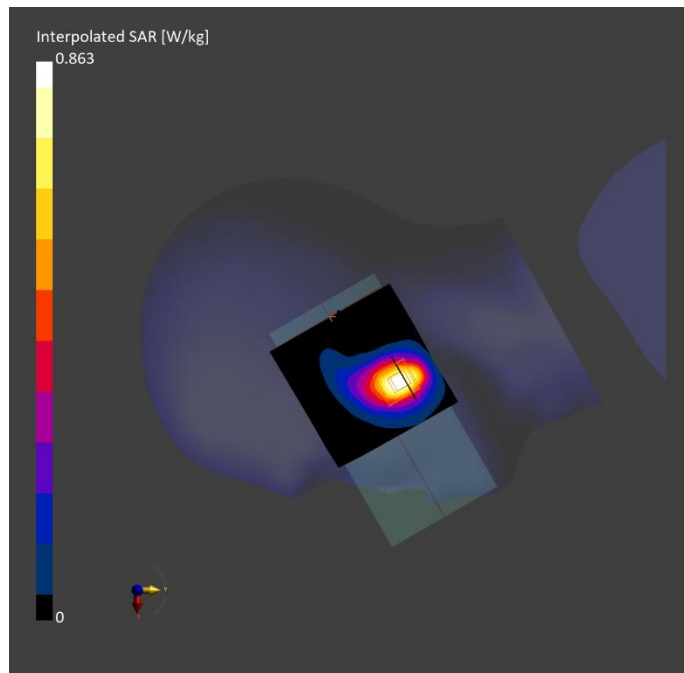


Fig.23 LTE Band 66 Head

**LTE Band 66 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 66	LTE-FDD, 10169-CAF	1720.000, 132072	8.05	1.36	39.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1750MHz-Head Charge:2025-08-13	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-13	2025-08-13
psSAR1g [W/Kg]	0.604	0.629
psSAR10g [W/Kg]	0.350	0.367
Power Drift [dB]	-0.02	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.2
Dist 3dB Peak [mm]		15.2

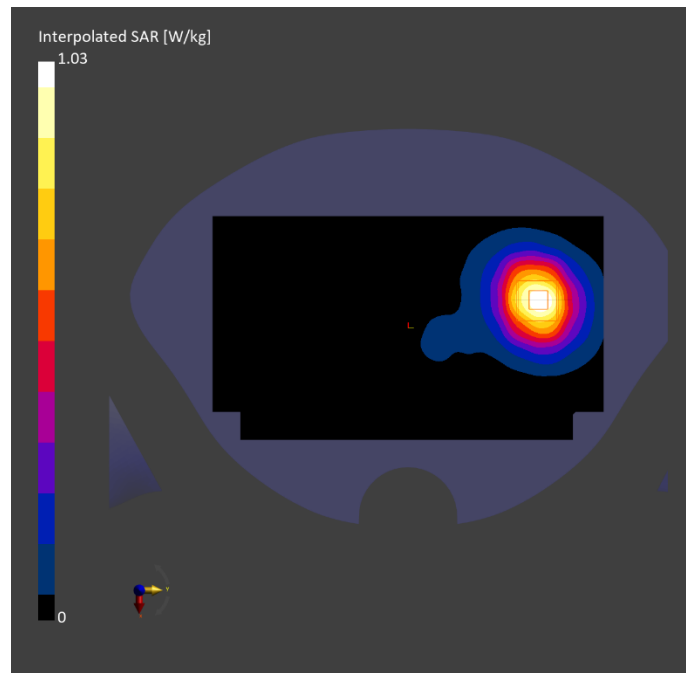


Fig.24 LTE Band 66 Body

**LTE Band 71 Head****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 71	LTE-FDD, 10169-CAF	673.000, 133222	9.65	0.864	42.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-08	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-08	2025-08-08
psSAR1g [W/Kg]	0.320	0.332
psSAR10g [W/Kg]	0.222	0.247
Power Drift [dB]	0.08	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.2
Dist 3dB Peak [mm]		21.9

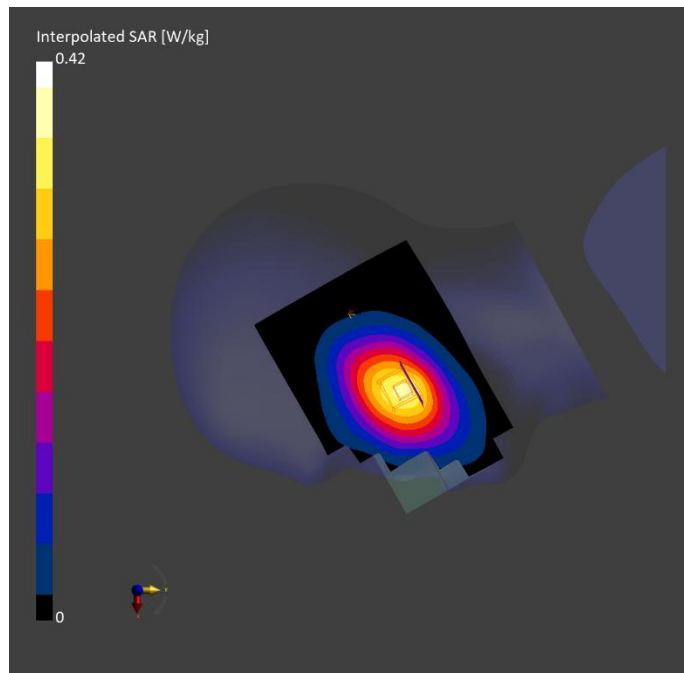


Fig.25 LTE Band 71 Head

**LTE Band 71 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 71	LTE-FDD, 10169-CAF	673.000, 133222	9.65	0.864	42.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-08	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-08	2025-08-08
psSAR1g [W/Kg]	0.394	0.410
psSAR10g [W/Kg]	0.280	0.303
Power Drift [dB]	-0.01	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.9
Dist 3dB Peak [mm]		> 16.0

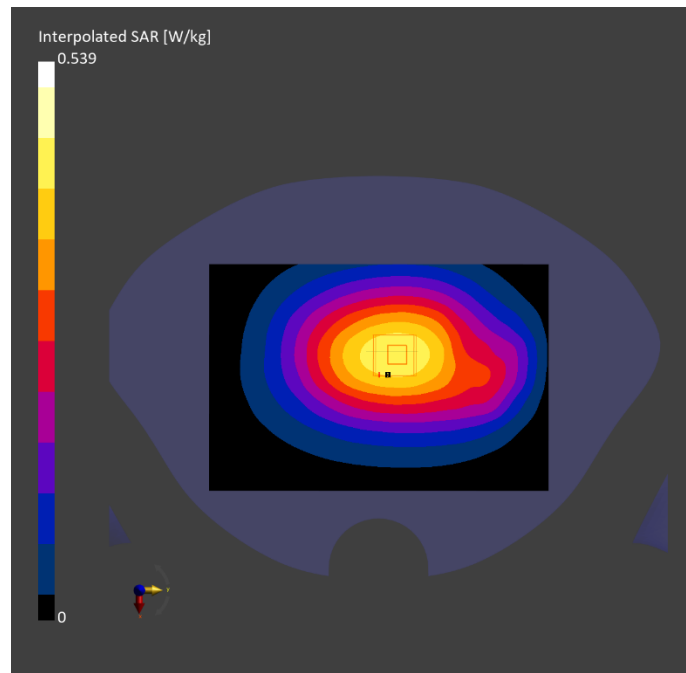


Fig.26 LTE Band 71 Body

LTE Band 38 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 38	LTE-TDD, 10435-AAG	2580.000, 37850	7.16	1.99	38.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-07	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-07	2025-08-07
psSAR1g [W/Kg]	0.597	0.714
psSAR10g [W/Kg]	0.300	0.319
Power Drift [dB]	0.05	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.0
Dist 3dB Peak [mm]		8.2

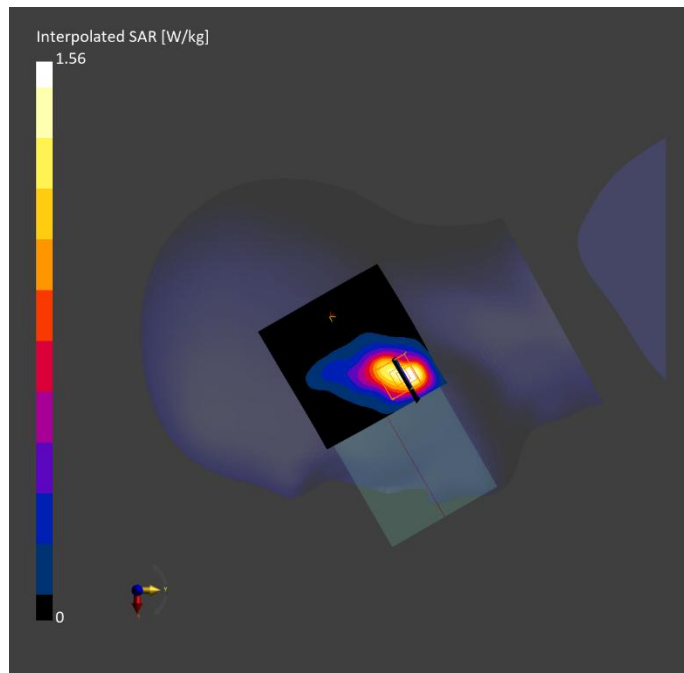


Fig.27 LTE Band 38 Head

LTE Band 38 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	RIGHT, 10.00	Band 38	LTE-TDD, 10435-AAG	2580.000, 37850	7.16	1.99	38.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-07	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-07	2025-08-07
psSAR1g [W/Kg]	0.196	0.206
psSAR10g [W/Kg]	0.101	0.105
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.7
Dist 3dB Peak [mm]		12.5

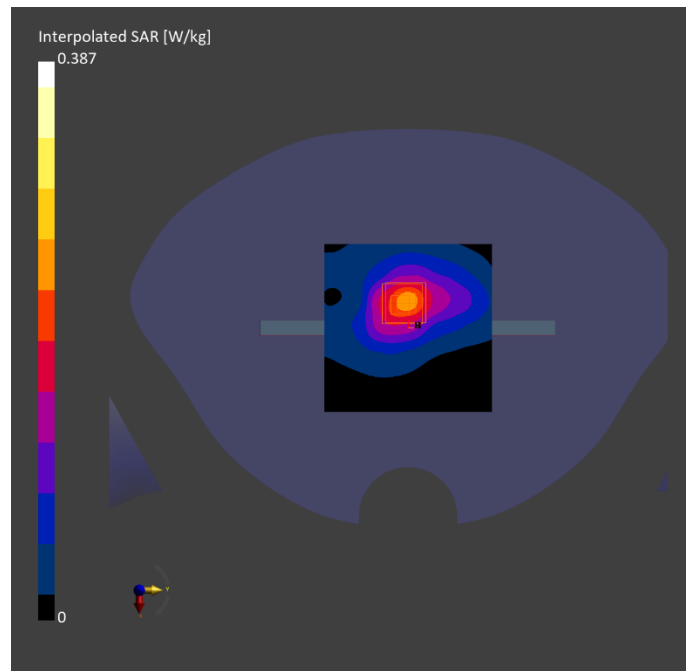


Fig.28 LTE Band 38 Body

LTE Band 41 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 41	LTE-TDD, 10435-AAG	2593.000, 40620	7.16	1.93	39.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-18	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-18	2025-08-18
psSAR1g [W/Kg]	0.647	0.674
psSAR10g [W/Kg]	0.325	0.316
Power Drift [dB]	-0.03	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.8
Dist 3dB Peak [mm]		8.2

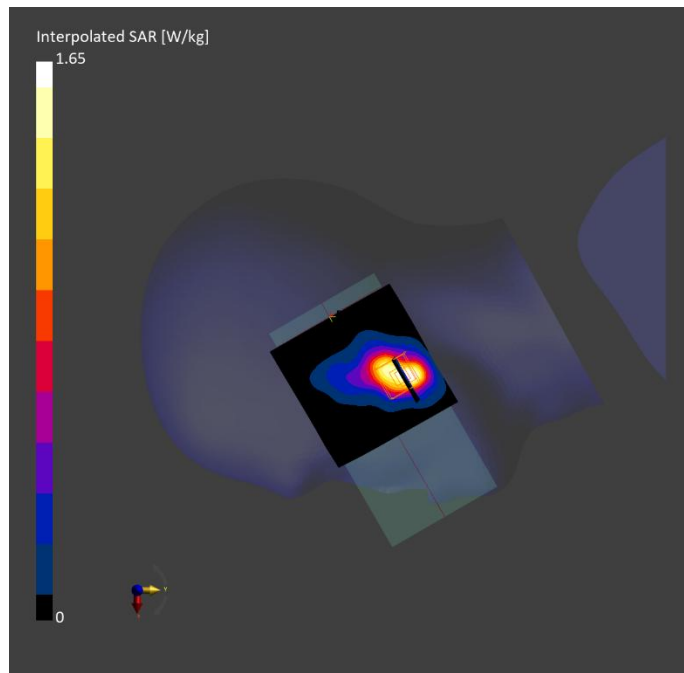


Fig.29 LTE Band 41 Head

LTE Band 41 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	RIGHT, 10.00	Band 41	LTE-TDD, 10435-AAG	2593.000, 40620	7.16	1.93	39.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-18	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-18	2025-08-18
psSAR1g [W/Kg]	0.208	0.223
psSAR10g [W/Kg]	0.107	0.125
Power Drift [dB]	0.03	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.3
Dist 3dB Peak [mm]		11.6

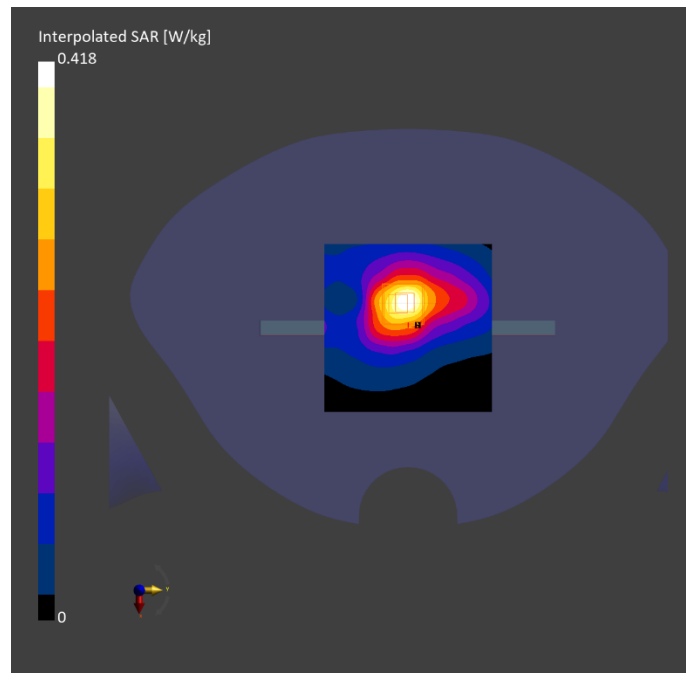


Fig.30 LTE Band 41 Body

LTE Band 42 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band 42	LTE-TDD, 10435-AAG	3540.000, 42990	6.66	3.02	37.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3500MHz-Head Charge:2025-08-06	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-06	2025-08-06
psSAR1g [W/Kg]	0.500	0.558
psSAR10g [W/Kg]	0.221	0.235
Power Drift [dB]	-0.02	0.18
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.1
Dist 3dB Peak [mm]		9.6

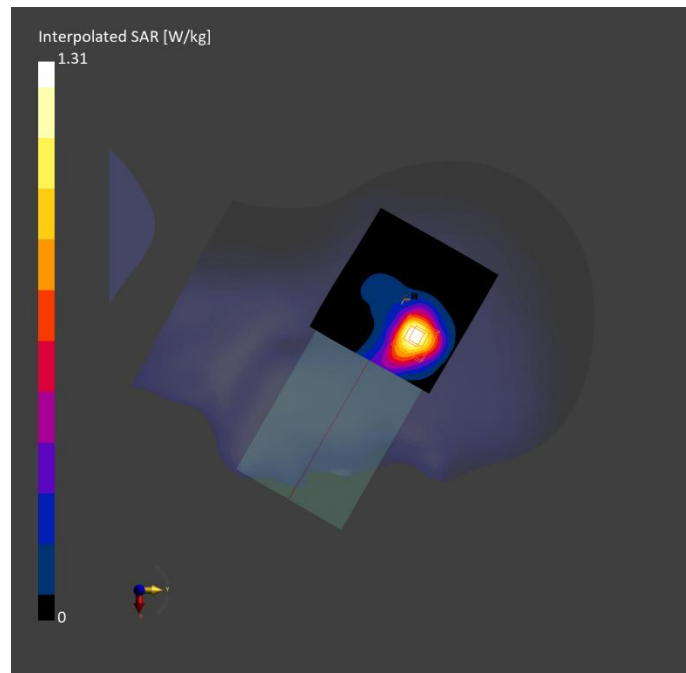


Fig.31 LTE Band 42 Head

LTE Band 42 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	RIGHT, 25.00	Band 42	LTE-TDD, 10435-AAG	3540.000, 42990	6.66	3.02	37.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3500MHz-Head Charge:2025-08-06	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-06	2025-08-06
psSAR1g [W/Kg]	0.316	0.356
psSAR10g [W/Kg]	0.138	0.155
Power Drift [dB]	-0.08	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.1
Dist 3dB Peak [mm]		11.4

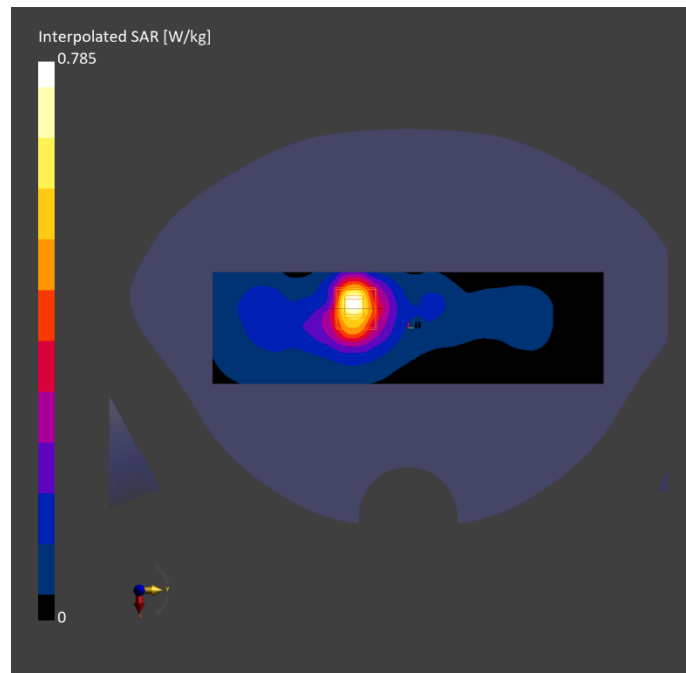


Fig.32 LTE Band 42 Body

**LTE Band 48 Head****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band 48	LTE-TDD, 10435-AAG	3603.300, 55773	6.45	3.07	37.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3700MHz-Head Charge:2025-08-09	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-09	2025-08-09
psSAR1g [W/Kg]	0.399	0.468
psSAR10g [W/Kg]	0.181	0.195
Power Drift [dB]	-0.01	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		34.4
Dist 3dB Peak [mm]		8.2

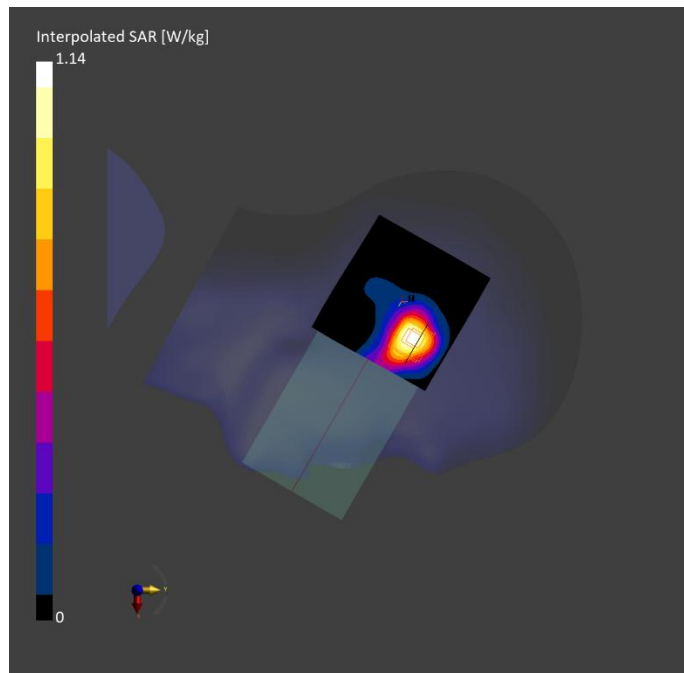


Fig.33 LTE Band 48 Head

**LTE Band 48 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	RIGHT, 25.00	Band 48	LTE-TDD, 10435-AAG	3603.300, 55773	6.45	3.07	37.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3700MHz-Head Charge:2025-08-09	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	60.0 x 210.0	30.0 x 30.0 x 30.0

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-09	2025-08-09
psSAR1g [W/Kg]	0.307	0.349
psSAR10g [W/Kg]	0.132	0.166
Power Drift [dB]	-0.15	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.4
Dist 3dB Peak [mm]		10.8

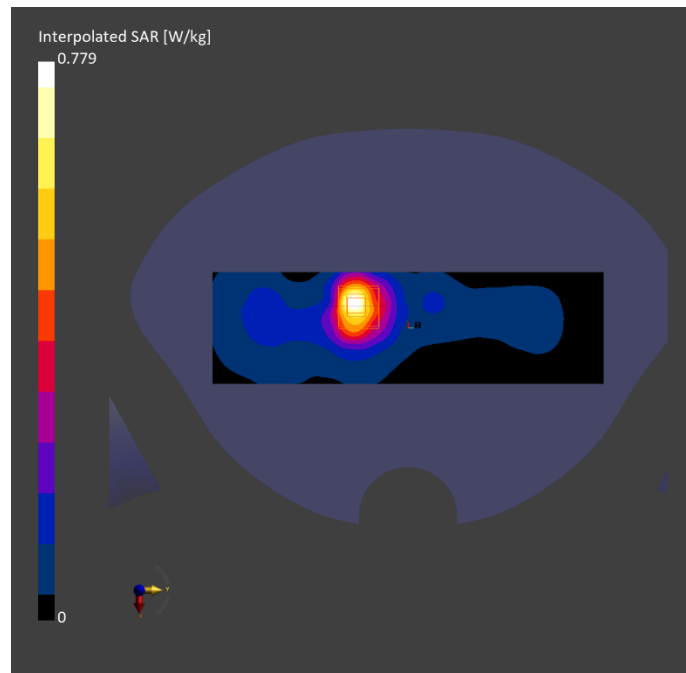


Fig.34 LTE Band 48 Body

**NR n5 Head****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band n5	5G NR FR1 FDD, 10931-AAC	836.500, 167300	9.21	0.896	42.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	900MHz-Head Charge:2025-08-10	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-10	2025-08-10
psSAR1g [W/Kg]	0.478	0.496
psSAR10g [W/Kg]	0.324	0.360
Power Drift [dB]	-0.17	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		90.1
Dist 3dB Peak [mm]		20.9

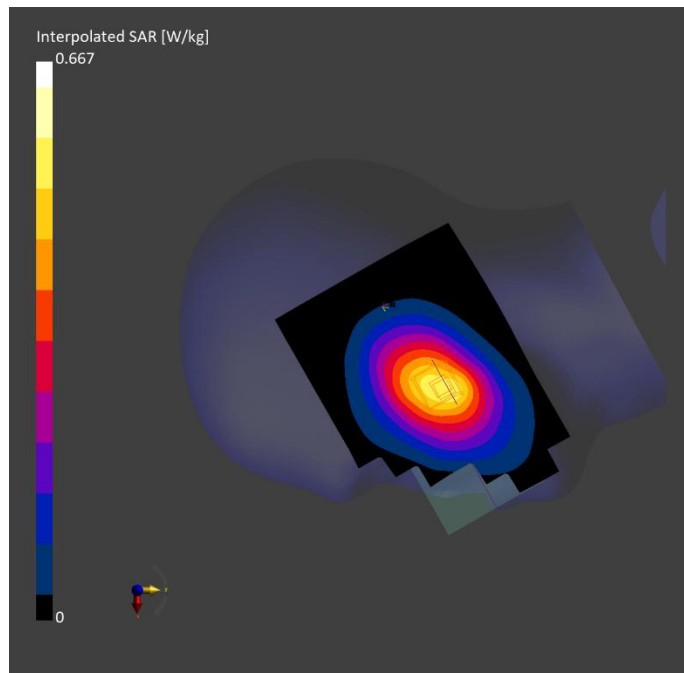


Fig.35 NR n5 Head

NR n5 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n5	5G NR FR1 FDD, 10931-AAC	836.500, 167300	9.21	0.896	42.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	900MHz-Head Charge:2025-08-10	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-10	2025-08-10
psSAR1g [W/Kg]	0.344	0.350
psSAR10g [W/Kg]	0.239	0.252
Power Drift [dB]	-0.09	0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.3
Dist 3dB Peak [mm]		> 16.0

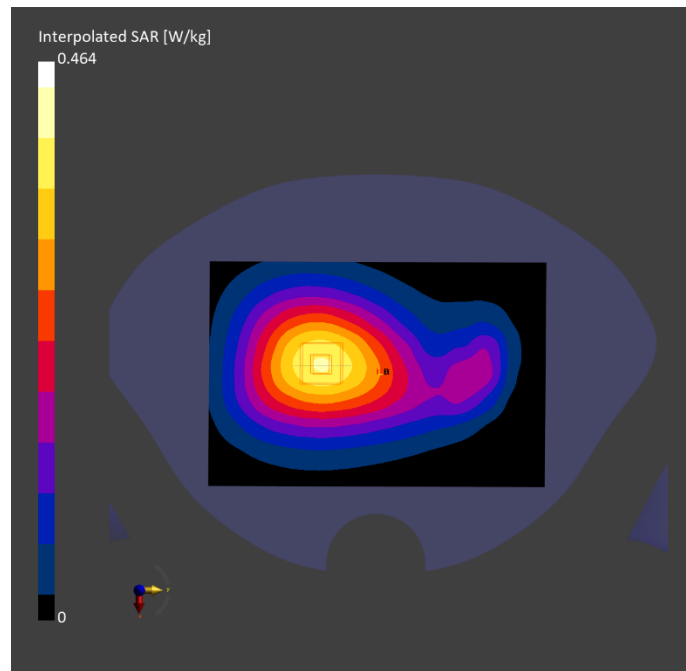


Fig.36 NR n5 Body

NR n7 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.000, 507000	7.16	1.93	38.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-12	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-12	2025-08-12
psSAR1g [W/Kg]	0.132	0.150
psSAR10g [W/Kg]	0.069	0.079
Power Drift [dB]	-0.02	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		0.553
Dist 3dB Peak [mm]		10.9

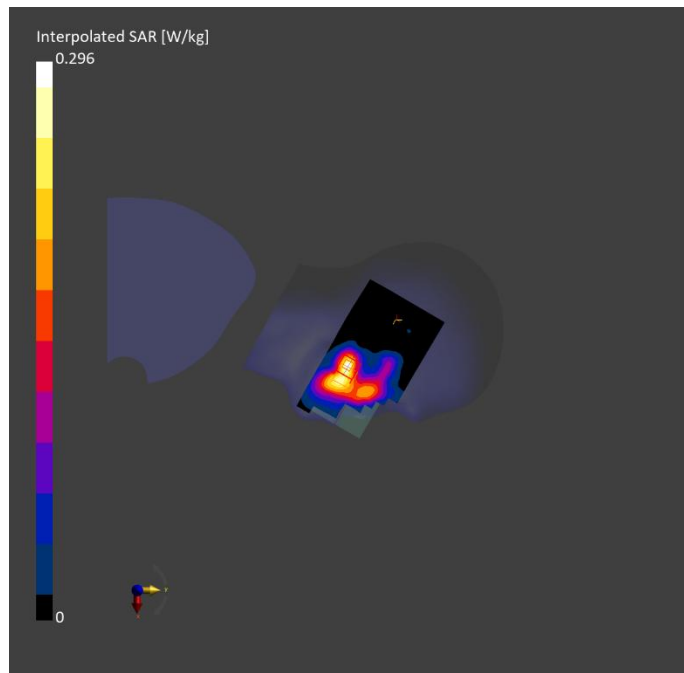


Fig.37 NR n7 Head

NR n7 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.000, 507000	7.16	1.93	38.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-12	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-12	2025-08-12
psSAR1g [W/Kg]	0.493	0.497
psSAR10g [W/Kg]	0.252	0.258
Power Drift [dB]	-0.06	-0.18
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		14.4

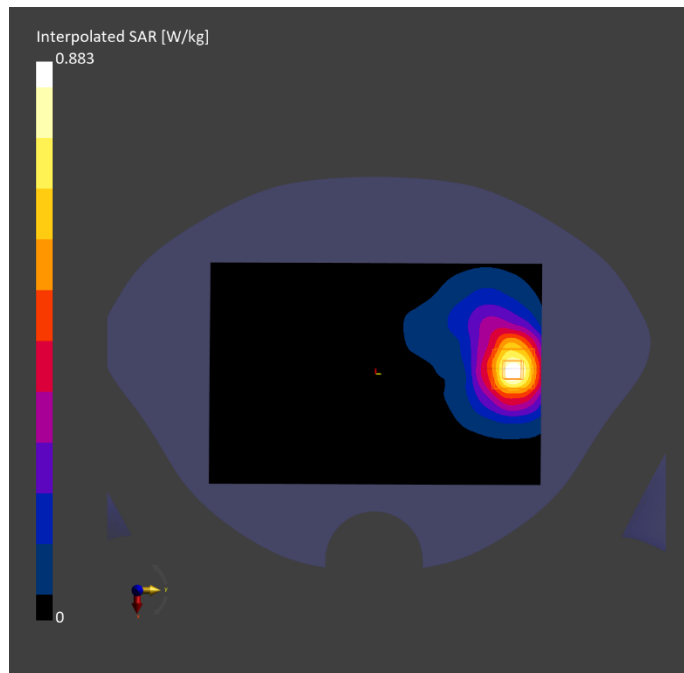


Fig.38 NR n7 Body

NR n14 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band n14	5G NR FR1 FDD, 10929-AAC	793.000, 158600	9.65	0.905	42.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-04	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-04	2025-08-04
psSAR1g [W/Kg]	0.359	0.373
psSAR10g [W/Kg]	0.242	0.271
Power Drift [dB]	-0.04	-0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.5
Dist 3dB Peak [mm]		21.1

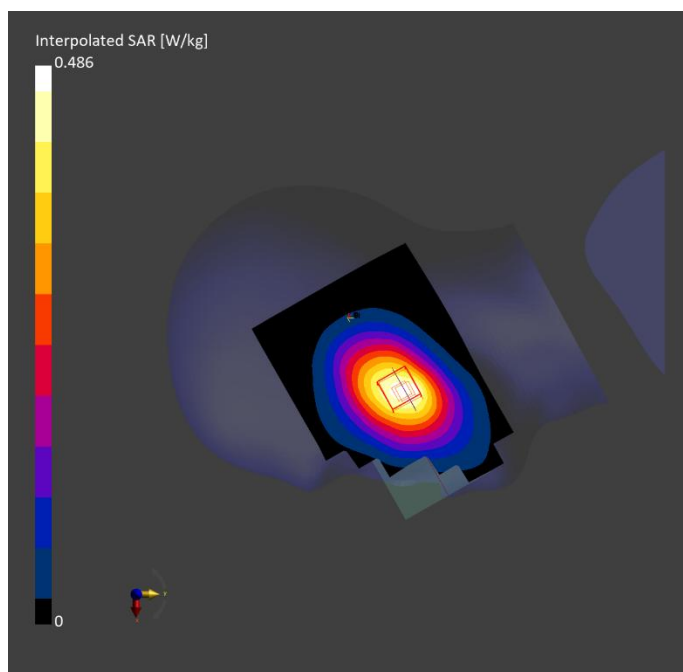


Fig.39 NR n14 Head

NR n14 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n14	5G NR FR1 FDD, 10929-AAC	793.000, 158600	9.65	0.905	42.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-04	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-04	2025-08-04
psSAR1g [W/Kg]	0.383	0.394
psSAR10g [W/Kg]	0.268	0.288
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.8
Dist 3dB Peak [mm]		> 16.0

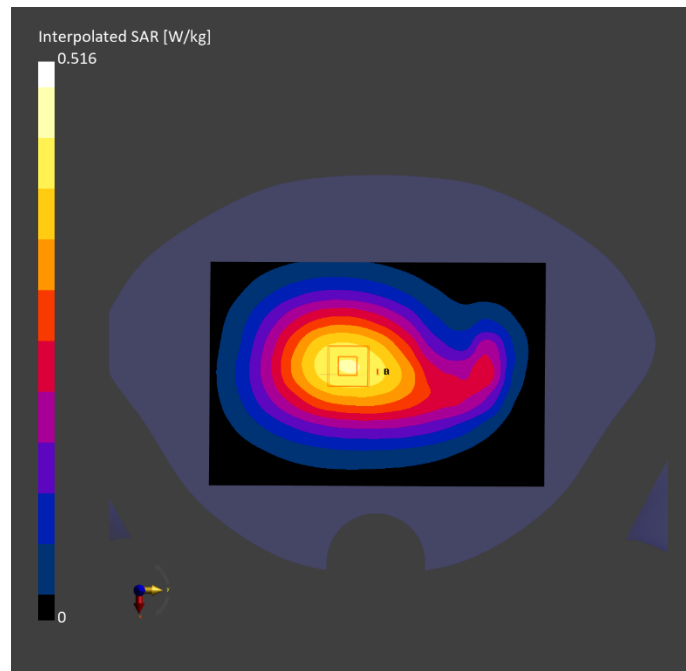


Fig.40 NR n14 Body

NR n25 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band n25	5G NR FR1 FDD, 10931-AAC	1882.500, 376500	7.75	1.42	39.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-11	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-11	2025-08-11
psSAR1g [W/Kg]	0.221	0.248
psSAR10g [W/Kg]	0.118	0.121
Power Drift [dB]	0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		11.0

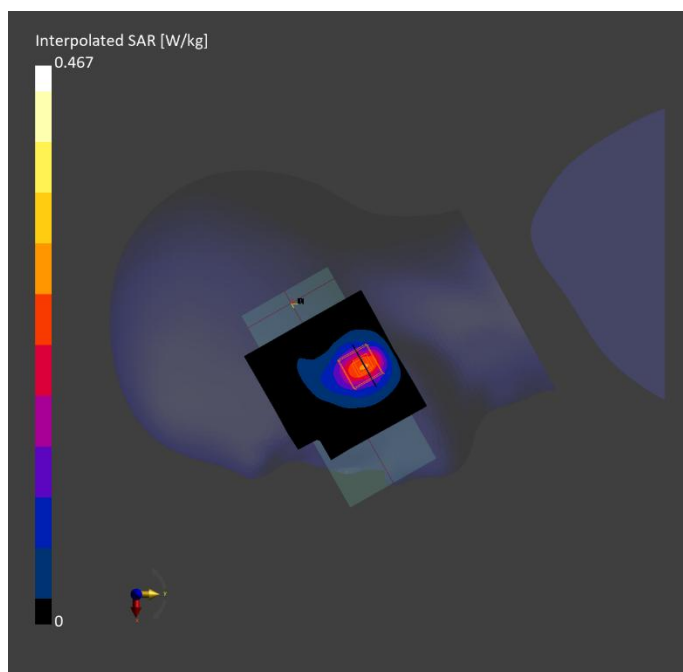


Fig.41 NR n25 Head

NR n25 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n25	5G NR FR1 FDD, 10931-AAC	1882.500, 376500	7.75	1.42	39.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-11	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-11	2025-08-11
psSAR1g [W/Kg]	0.731	0.755
psSAR10g [W/Kg]	0.419	0.434
Power Drift [dB]	0.17	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.1
Dist 3dB Peak [mm]		15.1

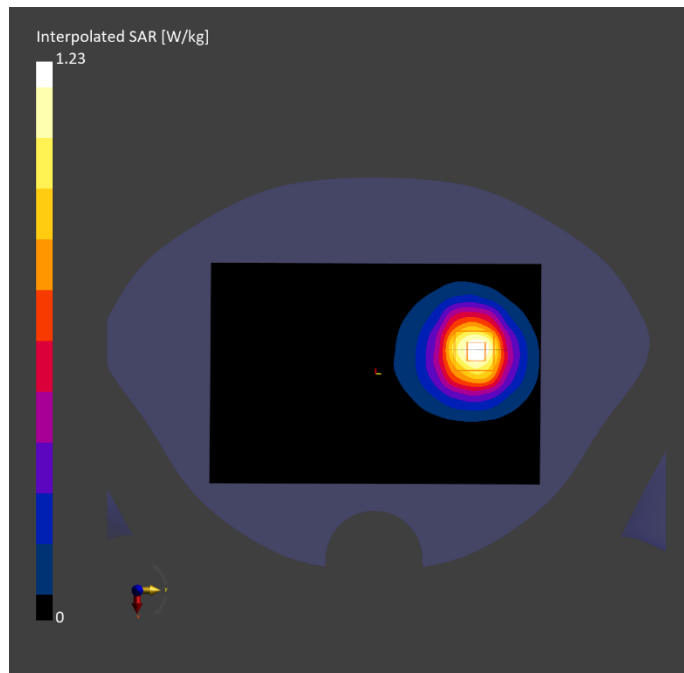


Fig.42 NR n25 Body

NR n66 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band n66	5G NR FR1 FDD, 10931-AAC	1745.000, 349000	8.05	1.38	39.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1750MHz-Head Charge:2025-08-13	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-13	2025-08-13
psSAR1g [W/Kg]	0.287	0.311
psSAR10g [W/Kg]	0.153	0.161
Power Drift [dB]	-0.05	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		8.8

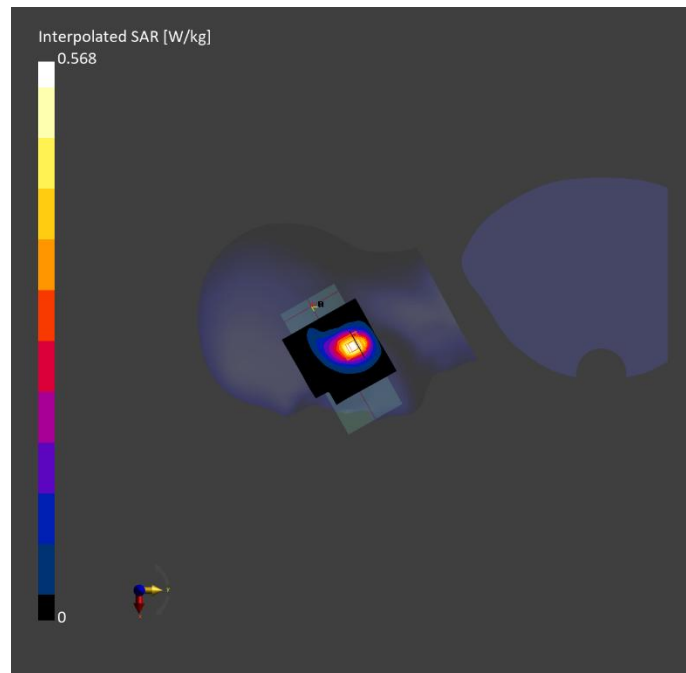


Fig.43 NR n66 Head

**NR n66 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n66	5G NR FR1 FDD, 10931-AAC	1720.000, 344000	8.05	1.36	39.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1750MHz-Head Charge:2025-08-13	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-13	2025-08-13
psSAR1g [W/Kg]	0.905	0.921
psSAR10g [W/Kg]	0.517	0.539
Power Drift [dB]	0.07	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.8
Dist 3dB Peak [mm]		15.2

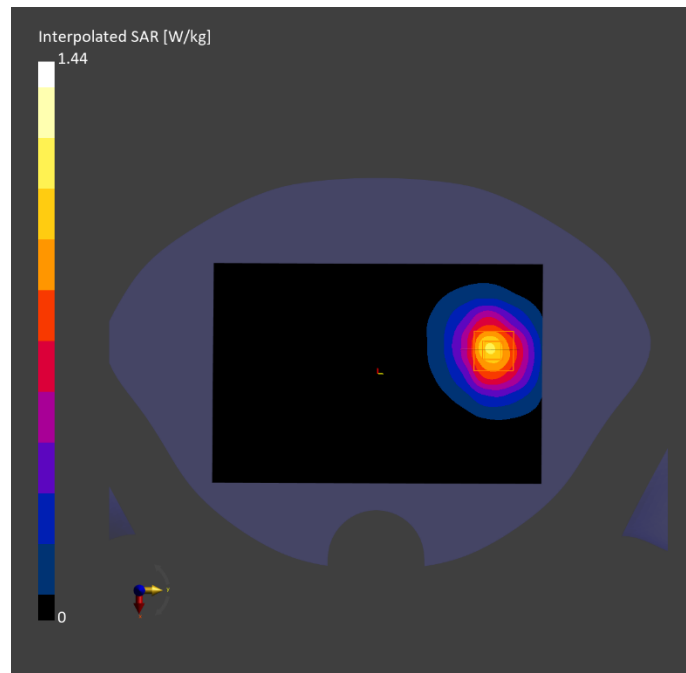


Fig.44 NR n66 Body

NR n71 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band n71	5G NR FR1 FDD, 10931-AAC	680.500, 136100	9.65	0.869	42.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-08	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-08	2025-08-08
psSAR1g [W/Kg]	0.310	0.321
psSAR10g [W/Kg]	0.216	0.237
Power Drift [dB]	-0.03	0.019
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		91.9
Dist 3dB Peak [mm]		> 15.0

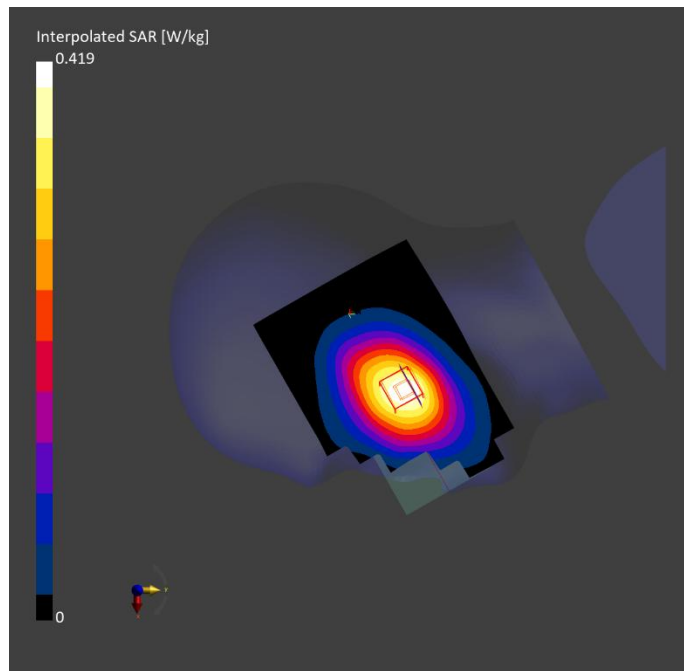


Fig.45 NR n71 Head

NR n71 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n71	5G NR FR1 FDD, 10931-AAC	680.500, 136100	9.65	0.869	42.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-08	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-08	2025-08-08
psSAR1g [W/Kg]	0.341	0.349
psSAR10g [W/Kg]	0.242	0.256
Power Drift [dB]	0.01	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.3
Dist 3dB Peak [mm]		> 16.0

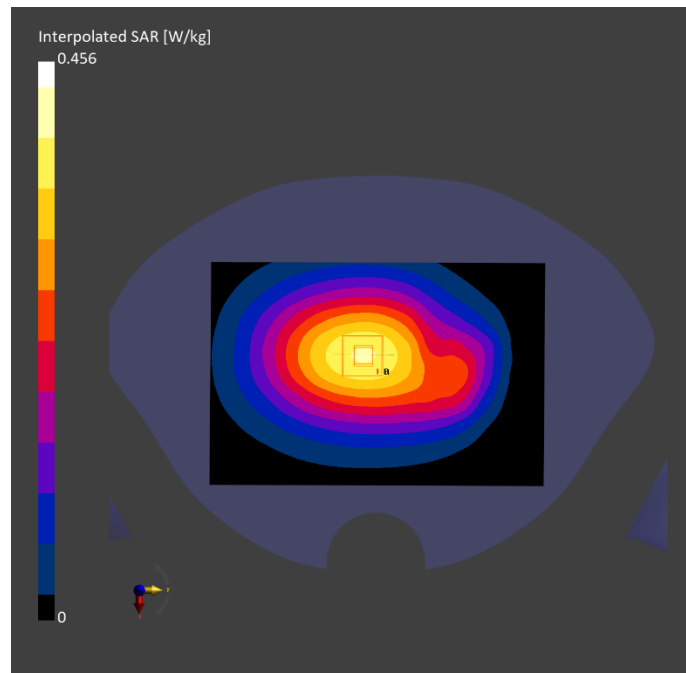


Fig.46 NR n71 Body

NR n41 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.16	1.99	38.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-12	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-12	2025-08-12
psSAR1g [W/Kg]	0.480	0.599
psSAR10g [W/Kg]	0.245	0.273
Power Drift [dB]	0.16	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.2
Dist 3dB Peak [mm]		8.2

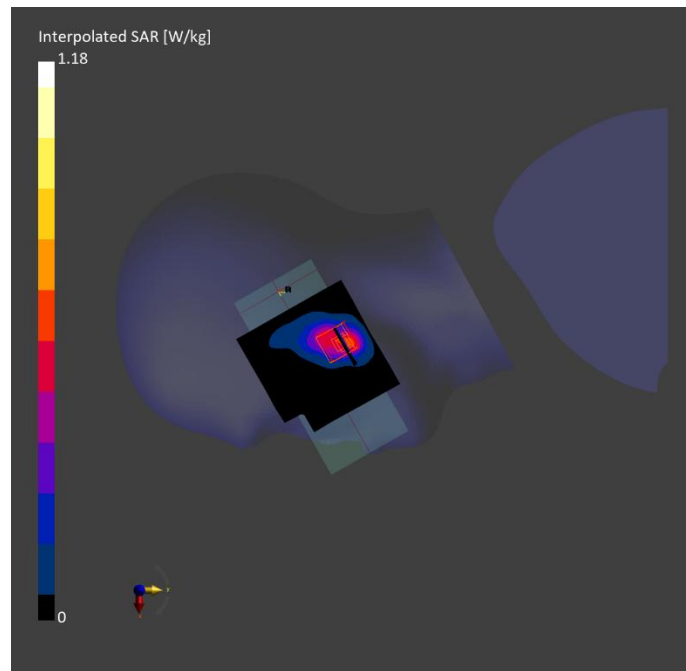


Fig.47 NR n41 Head

NR n41 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	RIGHT, 25.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.16	1.99	38.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-12	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-12	2025-08-12
psSAR1g [W/Kg]	0.448	0.463
psSAR10g [W/Kg]	0.237	0.256
Power Drift [dB]	0.08	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		12.2

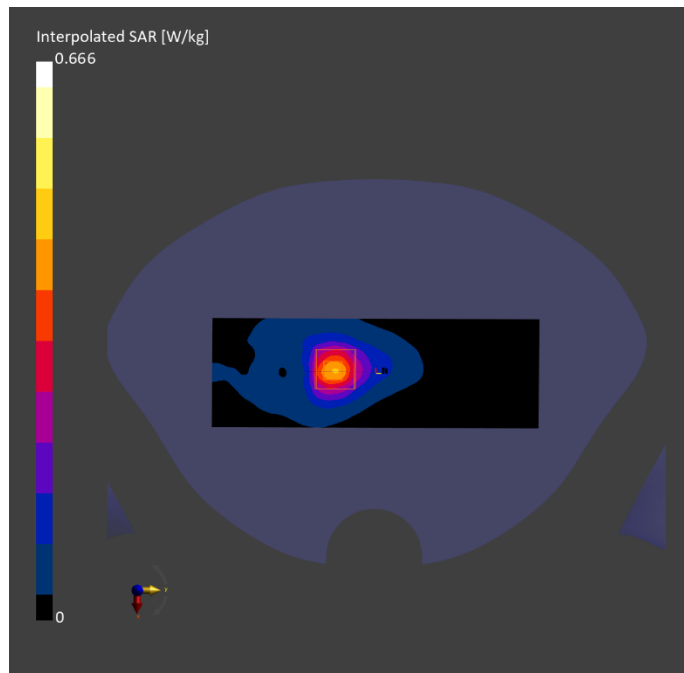


Fig.48 NR n41 Body

NR n48 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band n48	5G NR FR1 TDD, 10903D	3624.985, 641666	6.45	3.18	37.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3700MHz-Head Charge:2025-08-09	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-09	2025-08-09
psSAR1g [W/Kg]	0.490	0.553
psSAR10g [W/Kg]	0.220	0.235
Power Drift [dB]	-0.13	0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		34.5
Dist 3dB Peak [mm]		9.5

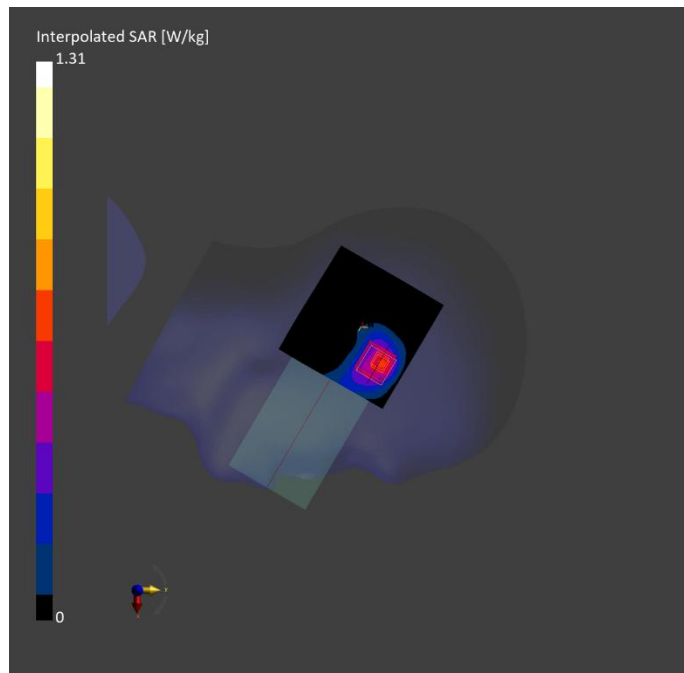


Fig.49 NR n48 Head

NR n48 Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	RIGHT, 25.00	Band n48	5G NR FR1 TDD, 10903D	3624.985, 641666	6.45	3.18	37.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3700MHz-Head Charge:2025-08-09	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-09	2025-08-09
psSAR1g [W/Kg]	0.555	0.570
psSAR10g [W/Kg]	0.234	0.259
Power Drift [dB]	0.09	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.5
Dist 3dB Peak [mm]		12.2

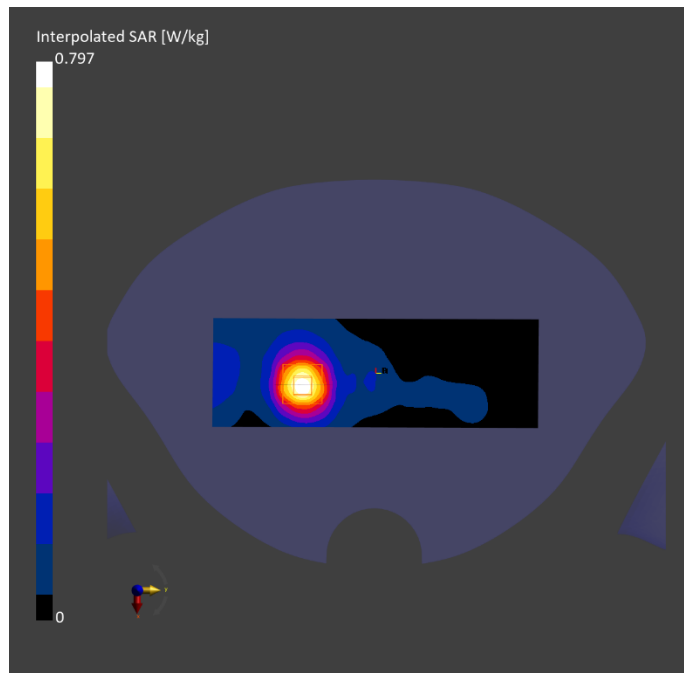


Fig.50 NR n48 Body

NR n77 Part 27Q Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.66	2.89	38.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3500MHz-Head Charge:2025-08-16	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-16	2025-08-16
psSAR1g [W/Kg]	0.563	0.620
psSAR10g [W/Kg]	0.254	0.269
Power Drift [dB]	0.12	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		37.7
Dist 3dB Peak [mm]		8.7

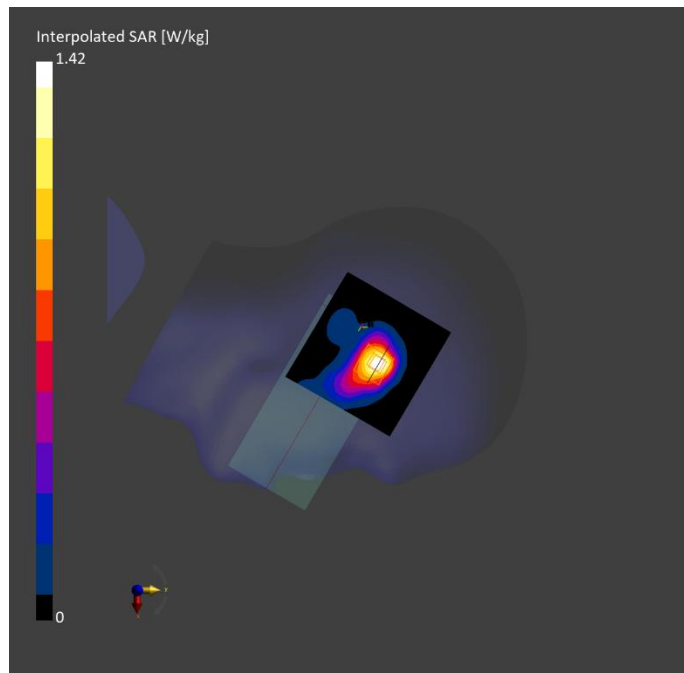


Fig.51 NR n77 Part 27Q Head

NR n77 Part 27Q Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	RIGHT, 25.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.66	2.89	38.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3500MHz-Head Charge:2025-08-16	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-16	2025-08-16
psSAR1g [W/Kg]	1.03	0.793
psSAR10g [W/Kg]	0.452	0.390
Power Drift [dB]	-0.05	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.1
Dist 3dB Peak [mm]		12.8

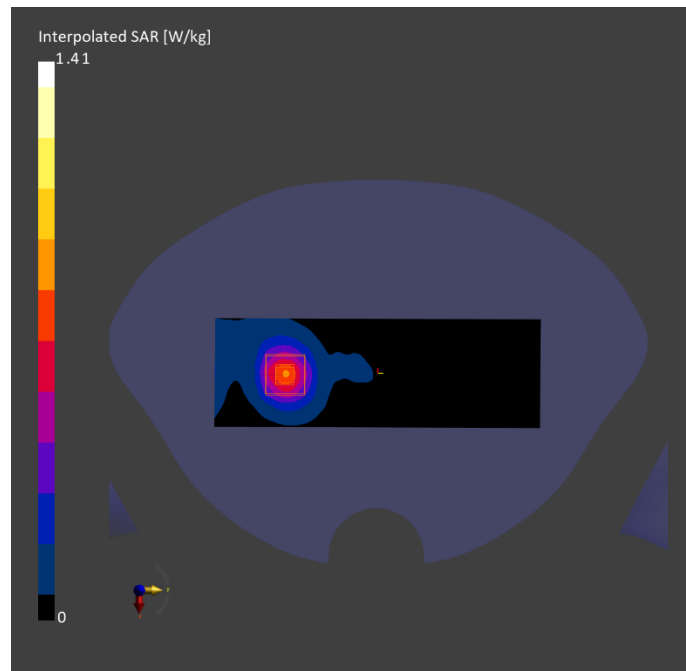


Fig.52 NR n77 Part 27Q Body

NR n77 Part 270 Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10866-AAF	3840.000, 656000	6.37	3.32	36.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3900MHz-Head Charge:2025-08-16	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-16	2025-08-16
psSAR1g [W/Kg]	0.541	0.619
psSAR10g [W/Kg]	0.223	0.240
Power Drift [dB]	0.05	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		33.7
Dist 3dB Peak [mm]		8.1

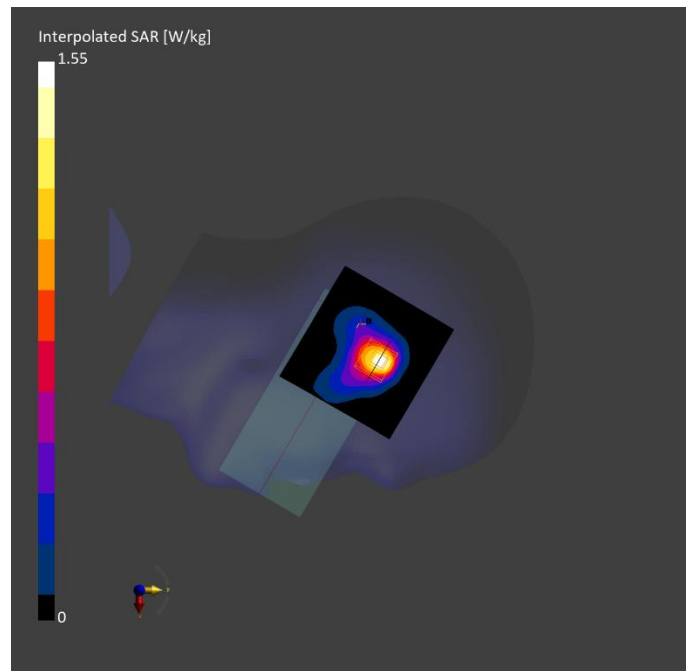


Fig.53 NR n77 Part 27O Head

**NR n77 Part 270 Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	RIGHT, 25.00	Band n77	5G NR FR1 TDD, 10866-AAF	3840.000, 656000	6.37	3.32	36.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3900MHz-Head Charge:2025-08-16	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-16	2025-08-16
psSAR1g [W/Kg]	1.22	0.867
psSAR10g [W/Kg]	0.478	0.420
Power Drift [dB]	-0.03	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.3
Dist 3dB Peak [mm]		12.8

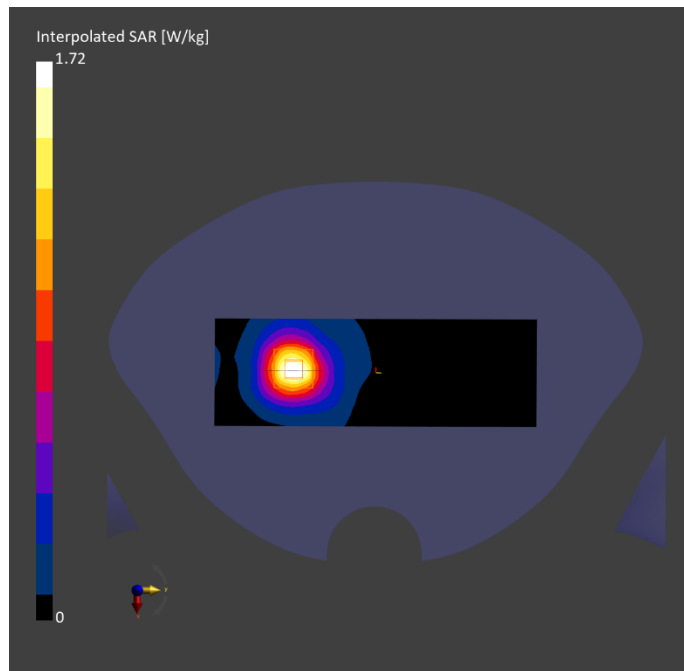


Fig.54 NR n77 Part 27O Body

Bluetooth Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	ISM 2.4 GHz	Bluetooth, 10032-CAA	2441.000, 39	7.32	1.84	38.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2450MHz-Head Charge:2025-08-14	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	100 x 100	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/Kg]	0.174	0.237
psSAR10g [W/Kg]	0.079	0.101
Power Drift [dB]	0.03	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.8
Dist 3dB Peak [mm]		7.3

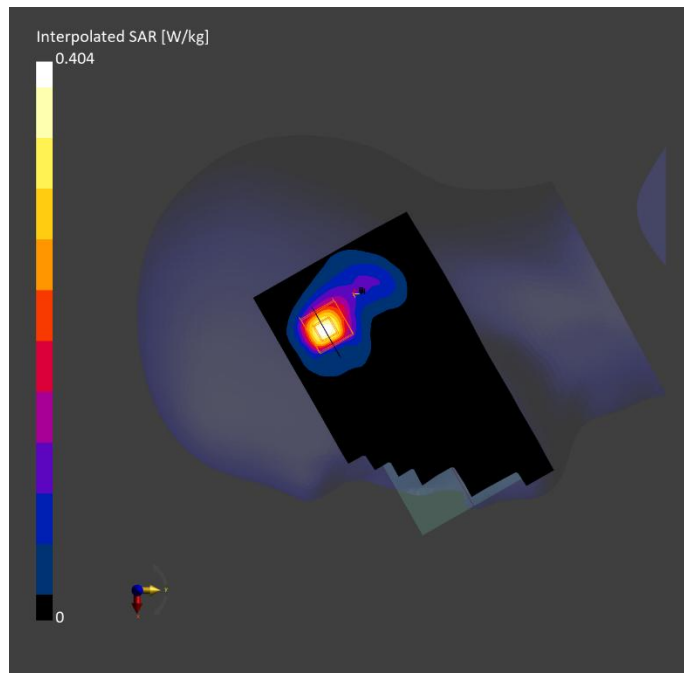


Fig.55 Bluetooth Head

Bluetooth Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	ISM 2.4 GHz	Bluetooth, 10032-CAA	2441.000, 39	7.32	1.84	38.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2450MHz-Head Charge:2025-08-14	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	100 x 100	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/Kg]	0.077	0.097
psSAR10g [W/Kg]	0.040	0.052
Power Drift [dB]	-0.08	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.8
Dist 3dB Peak [mm]		13.7

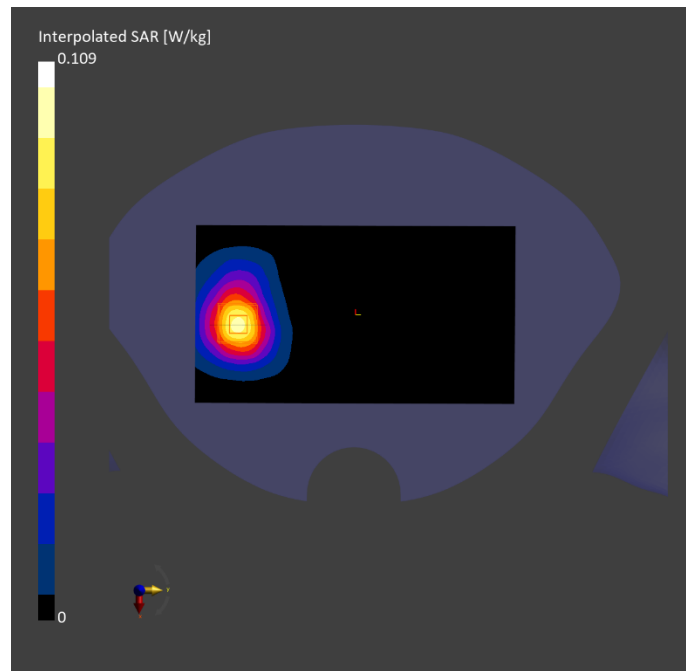


Fig.56 Bluetooth Body

WLAN 2.4GHz Head

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10315-AAB	2412.000, 1	7.32	1.80	38.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2450MHz-Head Charge:2025-08-14	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	100 x 100	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/Kg]	0.262	0.341
psSAR10g [W/Kg]	0.132	0.147
Power Drift [dB]	0.02	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.1
Dist 3dB Peak [mm]		8.1

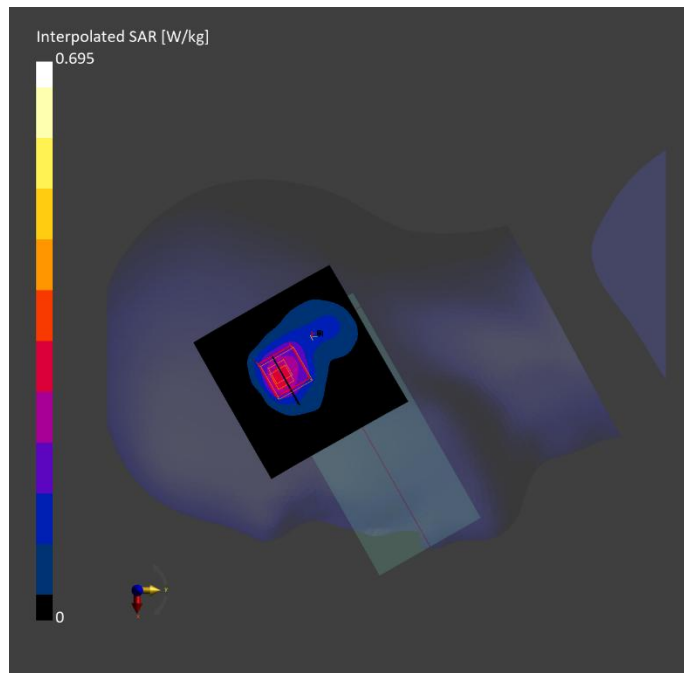


Fig.57 WLAN 2.4GHz Head

WLAN 2.4GHz Body

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 19.00	WLAN 2.4GHz	WLAN, 10315-AAB	2412.000, 1	7.32	1.80	38.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2450MHz-Head Charge:2025-08-14	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	100 x 100	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/Kg]	0.337	0.340
psSAR10g [W/Kg]	0.178	0.182
Power Drift [dB]	-0.02	0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.6
Dist 3dB Peak [mm]		13.7

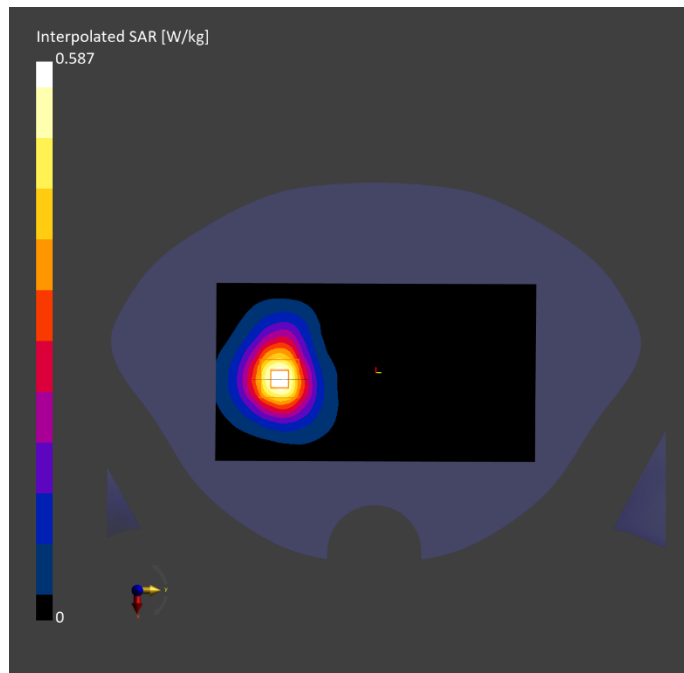


Fig.58 WLAN 2.4GHz Body

**WLAN 5GHz Head****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10317-AAE	5825.000, 165	4.74	5.43	34.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	5750MHz-Head Charge:2025-08-15	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	100 x 100	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-15	2025-08-15
psSAR1g [W/Kg]	0.601	0.591
psSAR10g [W/Kg]	0.214	0.196
Power Drift [dB]	0.02	-0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		17.9
Dist 3dB Peak [mm]		8.2

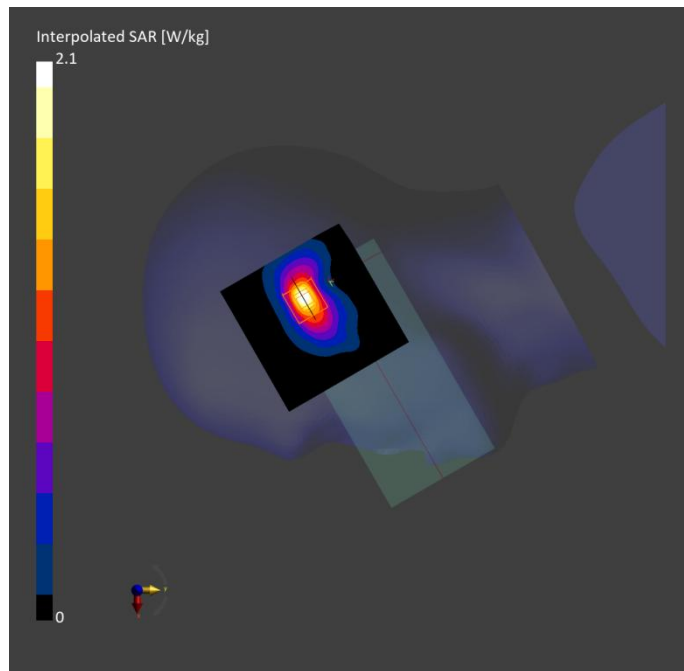


Fig.59 WLAN 5GHz Head

**WLAN 5GHz Body****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	LEFT, 10.00	WLAN 5GHz	WLAN, 10317-AAE	5240.000, 48	5.20	4.63	36.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	5250MHz-Head Charge:2025-08-15	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 180.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-15	2025-08-15
psSAR1g [W/Kg]	0.253	0.258
psSAR10g [W/Kg]	0.102	0.103
Power Drift [dB]	-0.03	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		21.1
Dist 3dB Peak [mm]		10.8

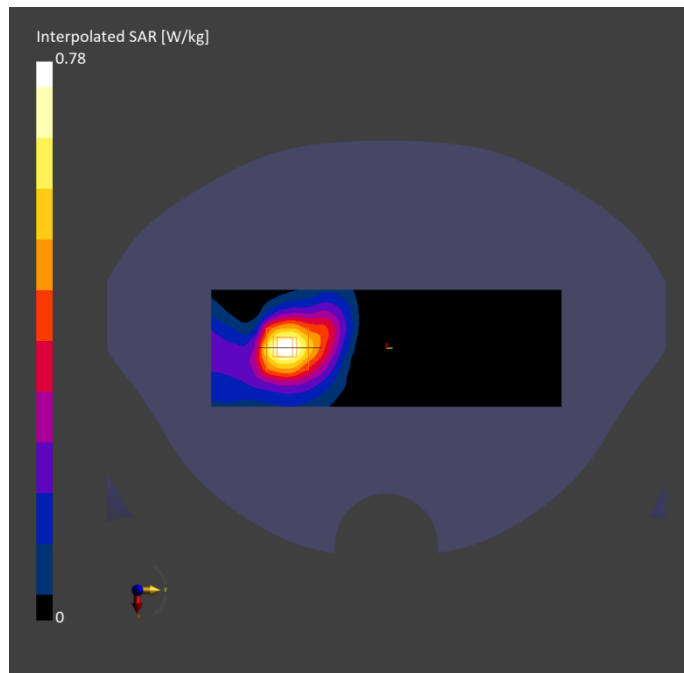


Fig.60 WLAN 5GHz Body

**WLAN 5GHz Extremity****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	LEFT, 0.00	WLAN 5GHz	WLAN, 10317-AAE	5300.000, 60	5.20	4.71	36.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	5250MHz-Head Charge:2025-08-15	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 180.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-15	2025-08-15
psSAR1g [W/Kg]	2.11	2.13
psSAR10g [W/Kg]	0.550	0.554
Power Drift [dB]	0.01	0.16
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		20.5
Dist 3dB Peak [mm]		4.6

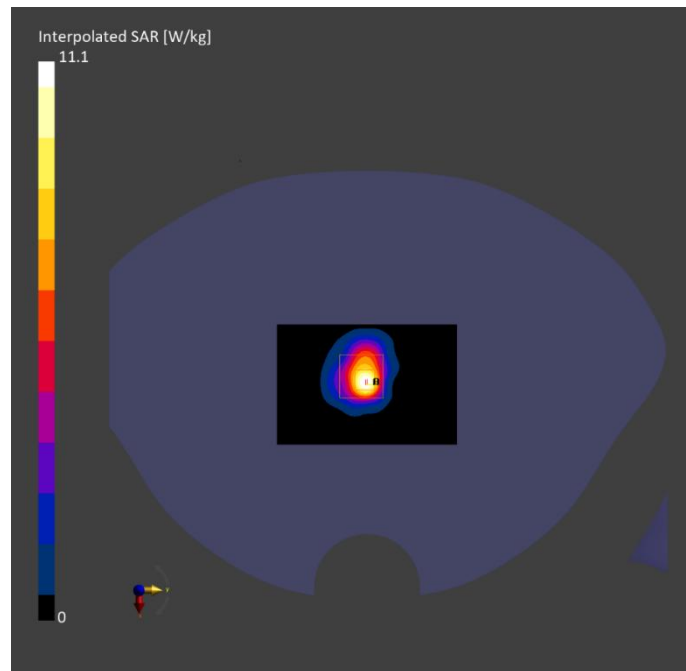


Fig.61 WLAN 5GHz Extremity

ANNEX B: System Check Results

750MHz

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D750	CW, 0--	750.000, 50	9.65	0.878	43.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-04	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-04	2025-08-04
psSAR1g [W/Kg]	0.421	0.405
psSAR10g [W/Kg]	0.285	0.270
Power Drift [dB]	-0.09	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.8
Dist 3dB Peak [mm]		17.9

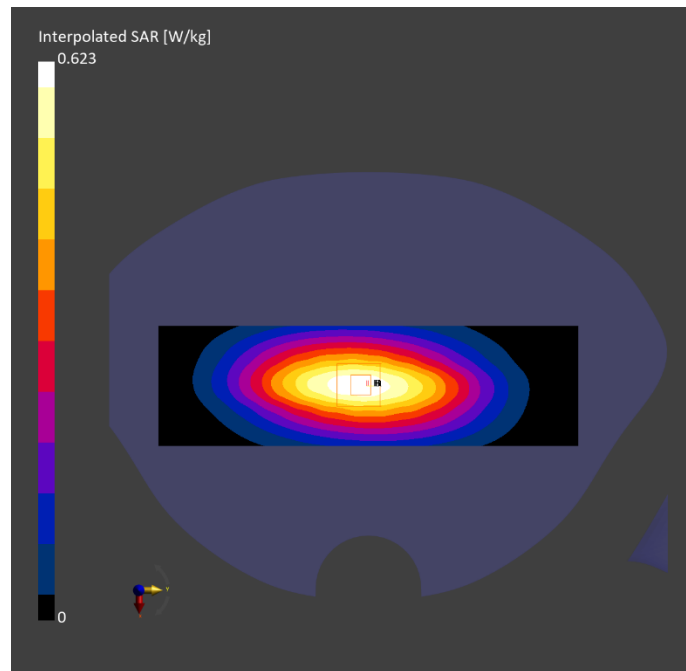


Fig.B.1. Validation 750MHz 50mW

**750MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D750	CW, 0--	750.000, 50	9.65	0.913	41.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	750MHz-Head Charge:2025-08-08	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-08	2025-08-08
psSAR1g [W/Kg]	0.425	0.436
psSAR10g [W/Kg]	0.280	0.284
Power Drift [dB]	0.13	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.3
Dist 3dB Peak [mm]		17.8

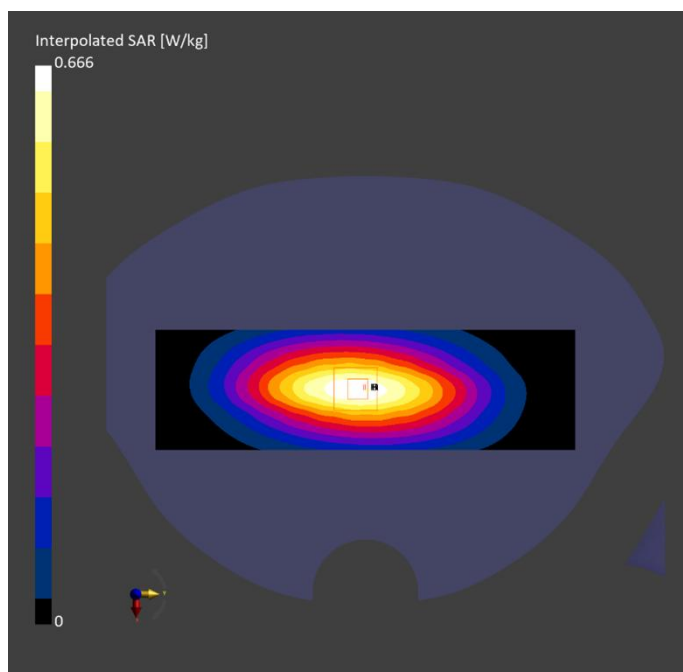


Fig.B.2. Validation 750MHz 50mW

**835MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D835	CW, 0--	835.000, 50	9.21	0.926	40.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	900MHz-Head Charge:2025-08-02	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-02	2025-08-02
psSAR1g [W/Kg]	0.484	0.497
psSAR10g [W/Kg]	0.308	0.325
Power Drift [dB]	0.08	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.2
Dist 3dB Peak [mm]		16.8

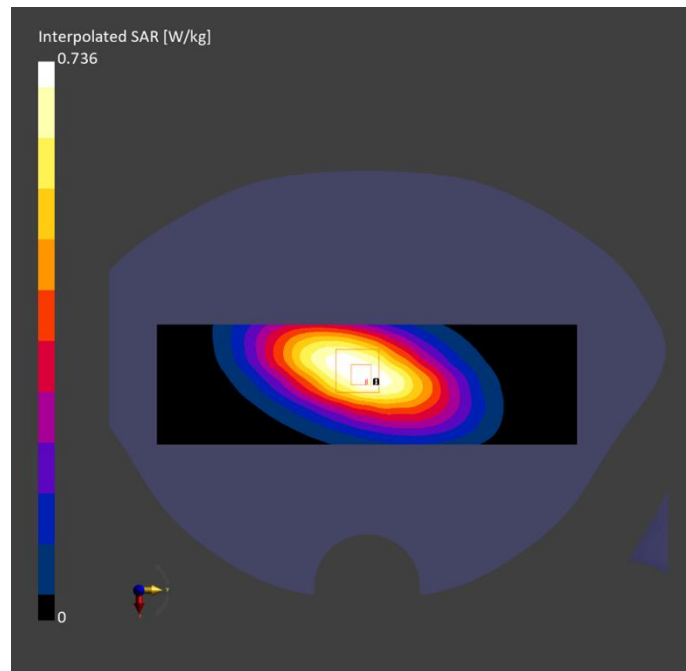


Fig.B.3. Validation 835MHz 50mW

**835MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D835	CW, 0--	835.000, 50	9.21	0.895	42.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	900MHz-Head Charge:2025-08-10	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-10	2025-08-10
psSAR1g [W/Kg]	0.469	0.460
psSAR10g [W/Kg]	0.317	0.311
Power Drift [dB]	-0.05	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.0
Dist 3dB Peak [mm]		16.6

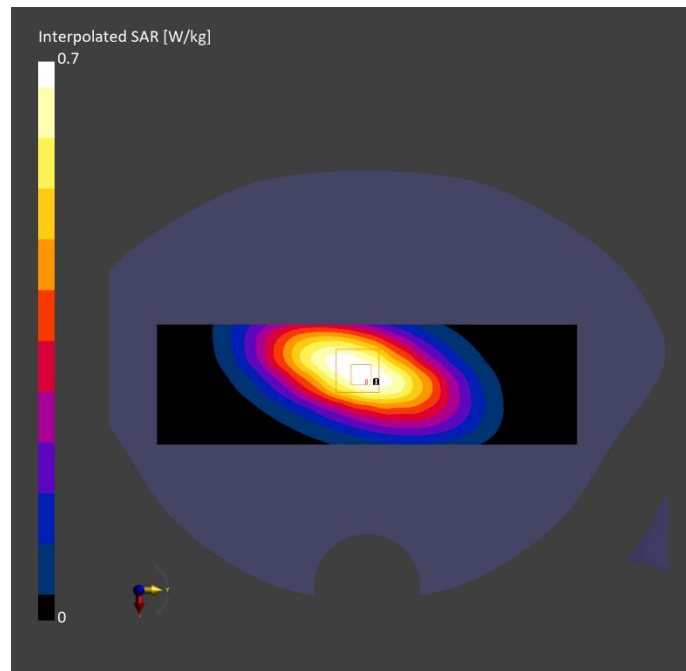


Fig.B.4. Validation 835MHz 50mW

**1750MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D1750	CW, 0--	1750.000, 50	8.05	1.36	41.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1750MHz-Head Charge:2025-08-03	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-03	2025-08-03
psSAR1g [W/Kg]	1.86	1.77
psSAR10g [W/Kg]	0.980	0.961
Power Drift [dB]	-0.11	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.3
Dist 3dB Peak [mm]		10.9

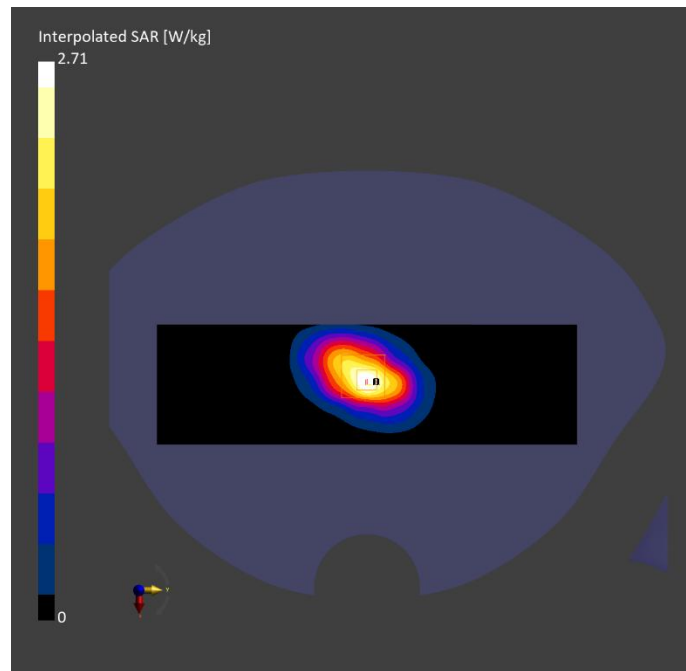


Fig.B.5. Validation 1750MHz 50mW

**1750MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D1750	CW, 0--	1750.000, 50	8.05	1.39	39.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1750MHz-Head Charge:2025-08-13	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-13	2025-08-13
psSAR1g [W/Kg]	1.84	1.90
psSAR10g [W/Kg]	0.981	0.998
Power Drift [dB]	0.10	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.5
Dist 3dB Peak [mm]		10.9

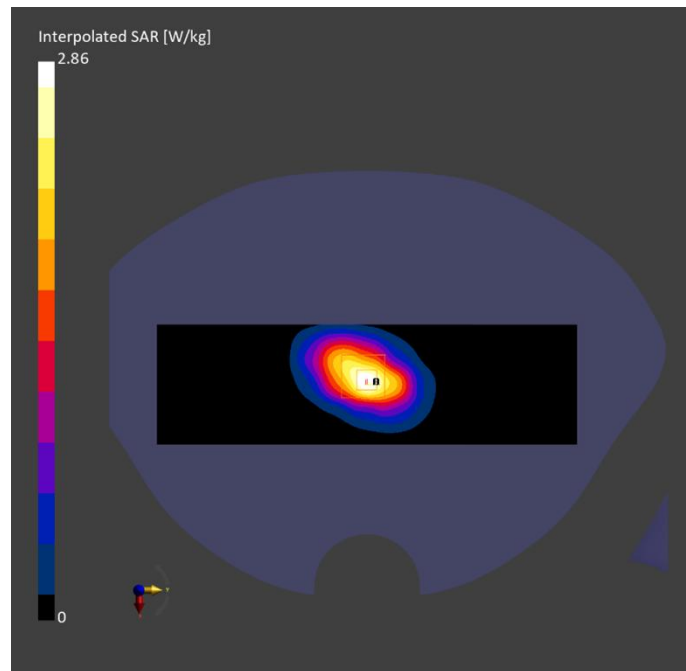


Fig.B.6. Validation 1750MHz 50mW

**1900MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D1900	CW, 0--	1900.000, 50	7.75	1.39	40.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-05	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-05	2025-08-05
psSAR1g [W/Kg]	2.01	1.95
psSAR10g [W/Kg]	1.08	1.04
Power Drift [dB]	-0.07	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		9.8

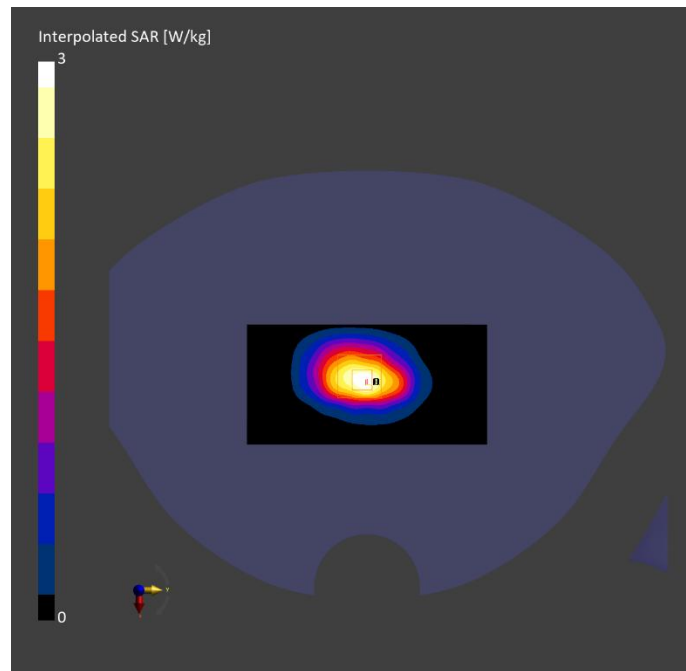


Fig.B.7. Validation 1900MHz 50mW

**1900MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D1900	CW, 0--	1900.000, 50	7.75	1.43	39.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	1900MHz-Head Charge:2025-08-11	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-11	2025-08-11
psSAR1g [W/Kg]	1.97	2.08
psSAR10g [W/Kg]	1.02	1.08
Power Drift [dB]	-0.11	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.5
Dist 3dB Peak [mm]		9.8

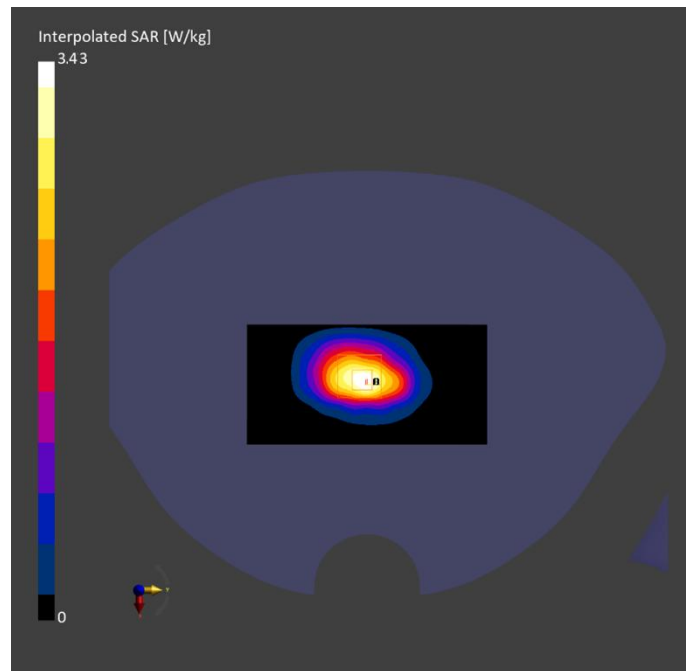


Fig.B.8. Validation 1900MHz 50mW

**2300MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D2300	CW, 0--	2300.000, 50	7.57	1.70	38.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2300MHz-Head Charge:2025-08-06	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-06	2025-08-06
psSAR1g [W/Kg]	2.48	2.55
psSAR10g [W/Kg]	1.20	1.24
Power Drift [dB]	-0.03	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.1
Dist 3dB Peak [mm]		9.5

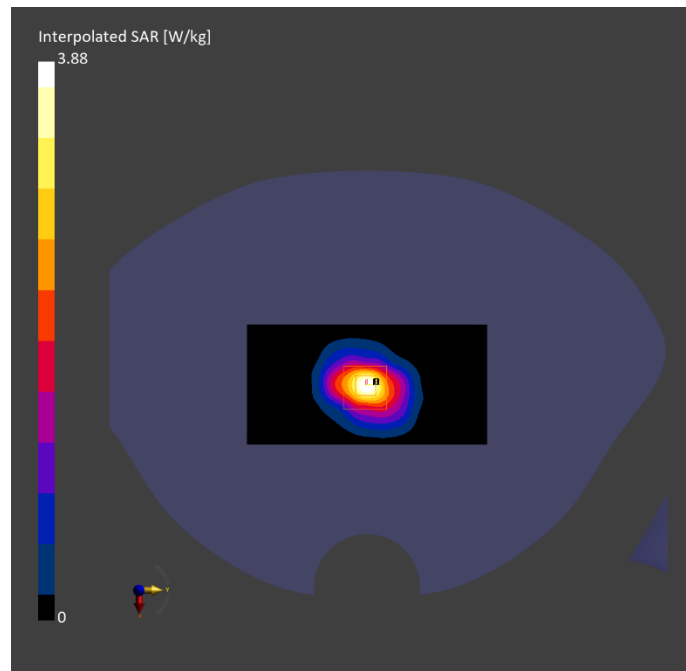


Fig.B.9. Validation 2300MHz 50mW

**2450MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D2450	CW, 0--	2450.000, 50	7.32	1.85	38.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2450MHz-Head Charge:2025-08-14	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/Kg]	2.65	2.74
psSAR10g [W/Kg]	1.22	1.27
Power Drift [dB]	0.04	0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.2
Dist 3dB Peak [mm]		9.4

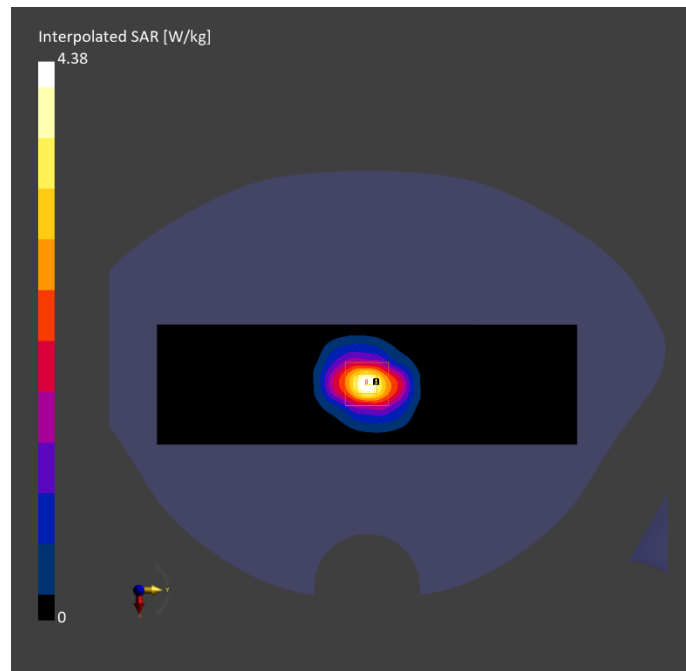


Fig.B.10. Validation 2450MHz 50mW

**2550MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D2550	CW, 0--	2550.000, 50	7.16	1.95	38.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-07	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-07	2025-08-07
psSAR1g [W/Kg]	2.77	2.88
psSAR10g [W/Kg]	1.25	1.30
Power Drift [dB]	0.09	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.0
Dist 3dB Peak [mm]		9.6

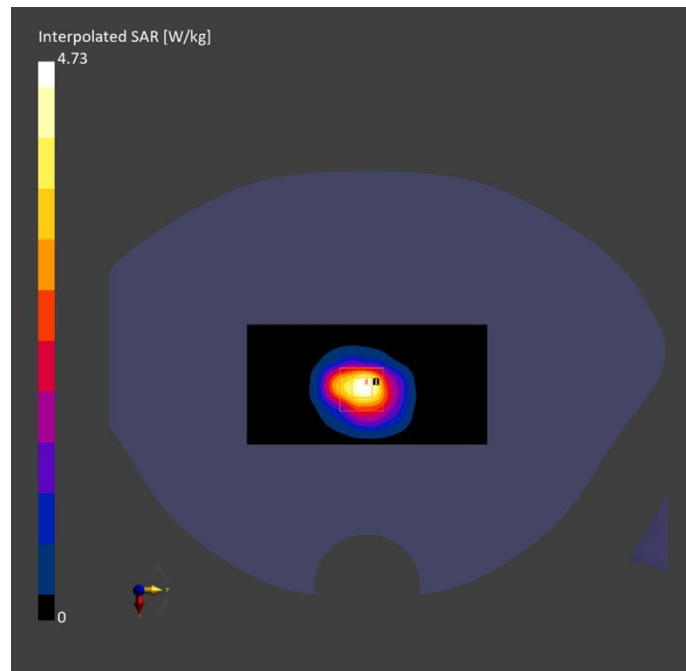


Fig.B.11. Validation 2550MHz 50mW

**2550MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D2550	CW, 0--	2550.000, 50	7.16	1.94	38.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-12	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-12	2025-08-12
psSAR1g [W/Kg]	2.75	2.82
psSAR10g [W/Kg]	1.21	1.26
Power Drift [dB]	-0.10	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.4
Dist 3dB Peak [mm]		9.8

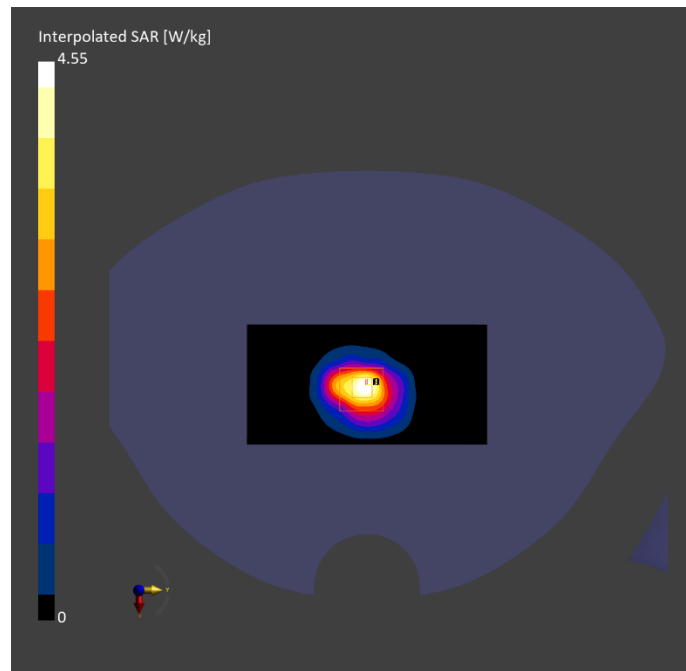


Fig.B.12. Validation 2550MHz 50mW

**2550MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D2550	CW, 0--	2550.000, 50	7.16	1.88	39.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	2550MHz-Head Charge:2025-08-18	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-18	2025-08-18
psSAR1g [W/Kg]	2.72	2.63
psSAR10g [W/Kg]	1.24	1.21
Power Drift [dB]	-0.11	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.6
Dist 3dB Peak [mm]		9.2

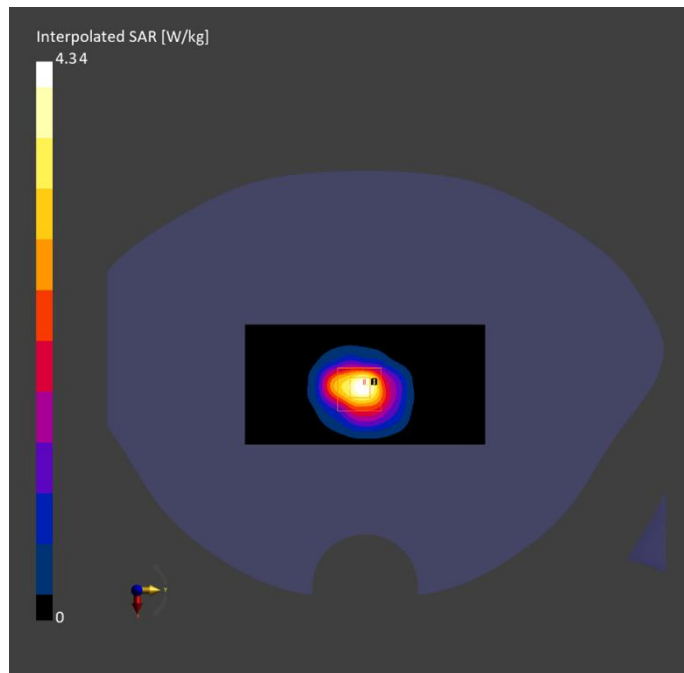


Fig.B.13. Validation 2550MHz 50mW

**3500MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D3500	CW, 0--	3500.000, 50	6.66	2.98	37.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3500MHz-Head Charge:2025-08-06	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-06	2025-08-06
psSAR1g [W/Kg]	3.31	3.39
psSAR10g [W/Kg]	1.29	1.32
Power Drift [dB]	0.05	0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.4
Dist 3dB Peak [mm]		8.7

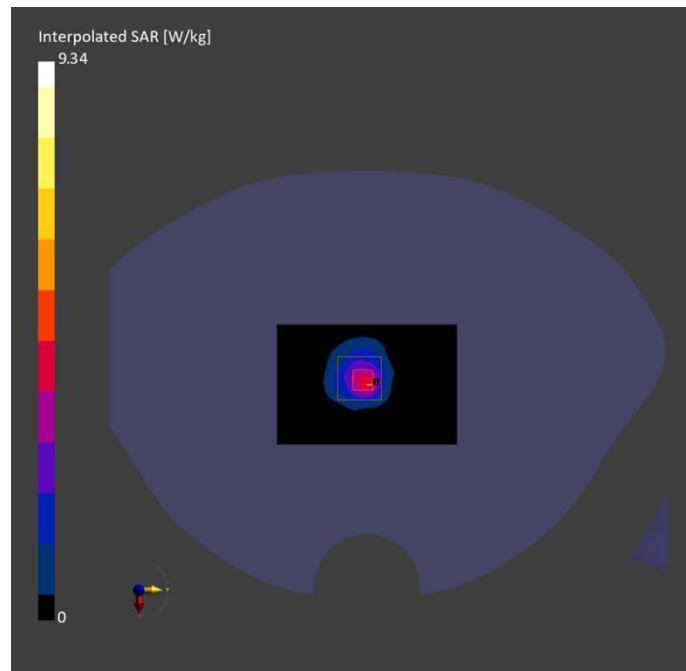


Fig.B.14. Validation 3500MHz 50mW

**3500MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D3500	CW, 0--	3500.000, 50	6.66	2.89	38.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3500MHz-Head Charge:2025-08-16	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-16	2025-08-16
psSAR1g [W/Kg]	3.19	3.12
psSAR10g [W/Kg]	1.26	1.23
Power Drift [dB]	-0.07	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.9
Dist 3dB Peak [mm]		8.2

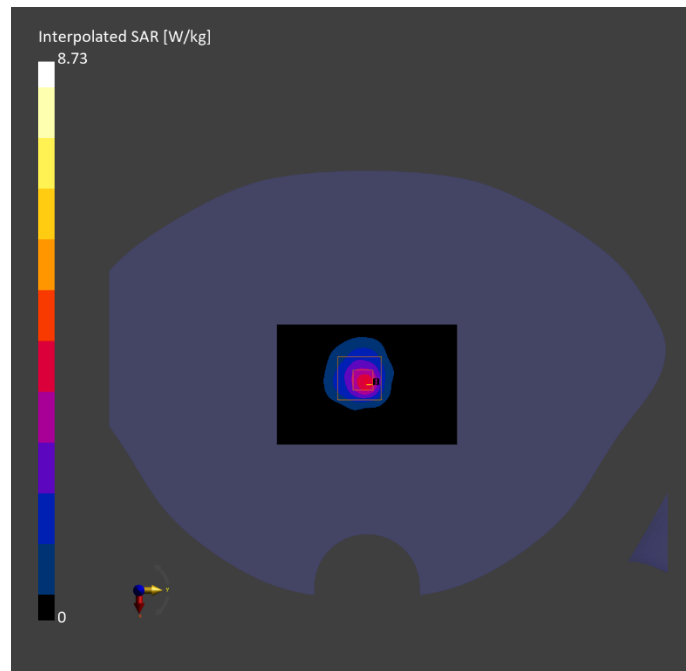


Fig.B.15. Validation 3500MHz 50mW

**3700MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D3700	CW, 0--	3700.000, 50	6.45	3.18	37.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3700MHz-Head Charge:2025-08-09	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-09	2025-08-09
psSAR1g [W/Kg]	3.37	3.44
psSAR10g [W/Kg]	1.23	1.28
Power Drift [dB]	0.09	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.4
Dist 3dB Peak [mm]		9.6

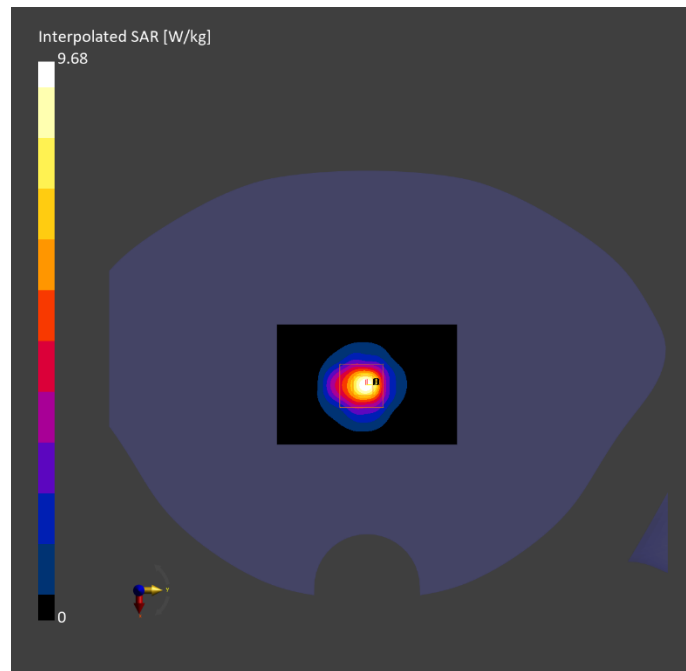


Fig.B.16. Validation 3700MHz 50mW

**3700MHz****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	D3700	CW, 0--	3700.000, 50	6.45	3.07	38.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2130	3700MHz-Head Charge:2025-08-16	EX3DV4 - SN7621, 2025-07-25	DAE4 Sn786, 2024-12-12

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-16	2025-08-16
psSAR1g [W/Kg]	3.23	3.18
psSAR10g [W/Kg]	1.25	1.20
Power Drift [dB]	-0.09	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.9
Dist 3dB Peak [mm]		8.5