TEST REPORT

No.I23N00016-SAR

For

TCL Communication Ltd.

UMTS/LTE/NR Mobile phone

Model Name: T609J

With

Hardware Version: 03

Software Version: LUS7

FCC ID: 2ACCJH174

Issued Date: 2023-01-30

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:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I23N00016-SAR	Rev.0	1st edition	2023-01-30

CONTENTS

1. Summary of Test Report

1.1. Test Items

Description:	UMTS/LTE/NR Mobile phone
Model Name:	T609J
Applicant's Name:	TCL Communication Ltd.
Manufacturer's Name:	TCL Communication Ltd.

1.2. Test Standards

ANSI C95.1:1992, IEEE 1528:2013

1.3. Test Result

Pass. Please refer to "13. Summary of Test Results"

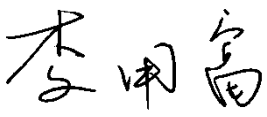
1.4. Testing Location

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

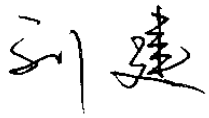
1.5. Project Data

Testing Start Date: 2023-01-05 Testing End Date: 2023-01-17

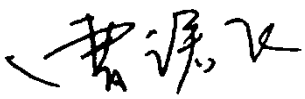
1.6. Signature



Li Yongfu
(Prepared this test report)



LiuJian
(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 TCL Communication Ltd. UMTS/LTE/NR Mobile phone T609J are as follows:

Table 2.1: Highest Reported SAR (1g)

Equipment Class	Frequency Bands	1g SAR (W/kg)		
		Head (Separation Distance 0mm)	Hotspot (Separation Distance 10mm)	Body-worn (Separation Distance 15mm)
PCE	WCDMA Band 2	1.24	0.65	0.33
	WCDMA Band 4	**1.30**	0.61	0.35
	WCDMA Band 5	1.22	0.59	0.37
	LTE Band 7	0.57	0.86	0.40
	LTE Band 12/17	0.79	0.48	0.26
	LTE Band 13	0.97	0.51	0.38
	LTE Band 25/2	1.13	0.56	0.29
	LTE Band 26/5	1.19	0.43	0.25
	LTE Band 41/38	0.68	0.97	0.46
	LTE Band 66/4	1.23	0.54	0.37
	LTE Band 71	0.76	0.42	0.29
	NR n5 (SA)	0.83	0.61	0.26
	NR n7 (SA)	0.70	0.75	0.39
	NR n25/n2 (SA)	0.76	0.89	0.41
	NR n41/n38 (SA)	0.71	0.70	**0.52**
	NR n66 (SA)	1.15	0.74	0.42
	NR n71 (SA)	0.77	0.44	0.36
	NR n77 (SA)	0.66	**1.08**	0.39
	NR n78 (SA)	0.42	1.02	0.37
DSS	Bluetooth	0.08	<0.01	<0.01
DTS	WLAN 2.4GHz	0.71	0.04	0.15
NII	WLAN 5GHz	0.51	0.05	0.36

The SAR values found for the Mobile Phone are below the maximum recommended levels of 1.6 W/Kg as averaged over any 1g tissue according to the ANSI C95.1-1992.

The measurement together with the test system set-up is described in annex C of this test report. A detailed description of the equipment under test can be found in chapter 4 of this test report.

The highest reported SAR value is obtained at the case of **(Table 2.1)**, Head value is **1.30 W/kg (1g)**, Hotspot value is **1.08 W/kg (1g)** and Body-worn value is **0.52 W/kg (1g)**.

Table 2.2: Maximum Simultaneous Transmission SAR

/	Position	Sum (W/kg)
Highest reported SAR value for Head	Left Cheek (DC_13A_n66A + WLAN 2.4HGHz)	**1.51**
Highest reported SAR value for Hotspot	Rear Side (DC_7A_n77A/DC_7A_n78A + WLAN 5GHz)	**1.46**
Highest reported SAR value for Body-worn	Rear Side (DC_7A_n66A + WLAN 5HGHz)	**0.86**

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

According to the above tables, the highest sum of reported SAR values is **1.51 W/kg (1g)**.

The detail for simultaneous transmission consideration is described in chapter 12.

3. Client Information

3.1. Applicant Information

Company Name:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong, China
City:	Hong Kong
Country:	China
Telephone:	+86 755 3661 1621

3.2. Manufacturer Information

Company Name:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong, China
City:	Hong Kong
Country:	China
Telephone:	+86 755 3661 1621

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

4.1. About EUT

Description:	UMTS/LTE/NR Mobile phone
Model Name:	T609J
Condition of EUT as received:	No obvious damage in appearance
Frequency Bands:	WCDMA Band 2/4/5, LTE Band 1/2/3/4/5/7/12/13/17/25/26/29/38/41/66/71, NR n2/n5/n7/n25/n38/n41/n66/n71/n77/n78, Bluetooth, WLAN 2.4GHz, WLAN 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)
	704 – 716MHz (LTE Band 17)
	1850 – 1915MHz (LTE Band 25)
	814 – 849MHz (LTE Band 26)
	2570 – 2620MHz (LTE Band 38)
	2496 – 2690MHz (LTE Band 41)
	1710 – 1780MHz (LTE Band 66)
	663 – 698MHz (LTE Band 71)
	1850 – 1910MHz (NR n2)
	824 – 849MHz (NR n5)
	2500 – 2570MHz (NR n7)
	1850 – 1915MHz (NR n25)
	2570 – 2620MHz (NR n38)
	2496 – 2690MHz (NR n41)
	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 164.3mm;Wide 75.0mm;Overall Diagonal 175.3mm

4.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version	Receipt Date
UT03aa	016388000200585	03	LUS7	2023-01-04
UT04aa	016388000200551	03	LUS7	2023-01-04
UT06aa	016388000200510	03	LUS7	2023-01-04
UT10aa	016388000200569	03	LUS7	2023-01-04
UT11aa	016388000200130	03	LUS7	2023-01-13
UT12aa	016388000200135	03	LUS7	2023-01-13

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

Note: It is performed to test SAR with the UT06aa & UT10aa & UT11aa & UT12aa, and conducted power with the UT03aa & UT04aa.

4.3. Internal Identification of AE used during the test

AE ID*	Description	Model	Manufacturer
AE1	Battery	TLp048AA	TMB

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

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 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 D01SAR 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

TCB workshop May 2017: RF Exposure Procedures

TCB workshop October 2018: RF Exposure Procedures

TCB workshop April 2019: RF Exposure Procedures

TCB workshop November 2019: RF Exposure Policy Updates

TCB workshop April 2020: RF Exposure Policies and Procedures - Status

TCB workshop October 2020: RF Exposure Procedures

TCB workshop April 2022: RF Exposure Procedures

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 head 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)	± 5% Range	Permittivity (ε)	± 5% Range
750	Head	0.89	0.85～0.93	41.9	39.8～44.0
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
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	36.0～39.7
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

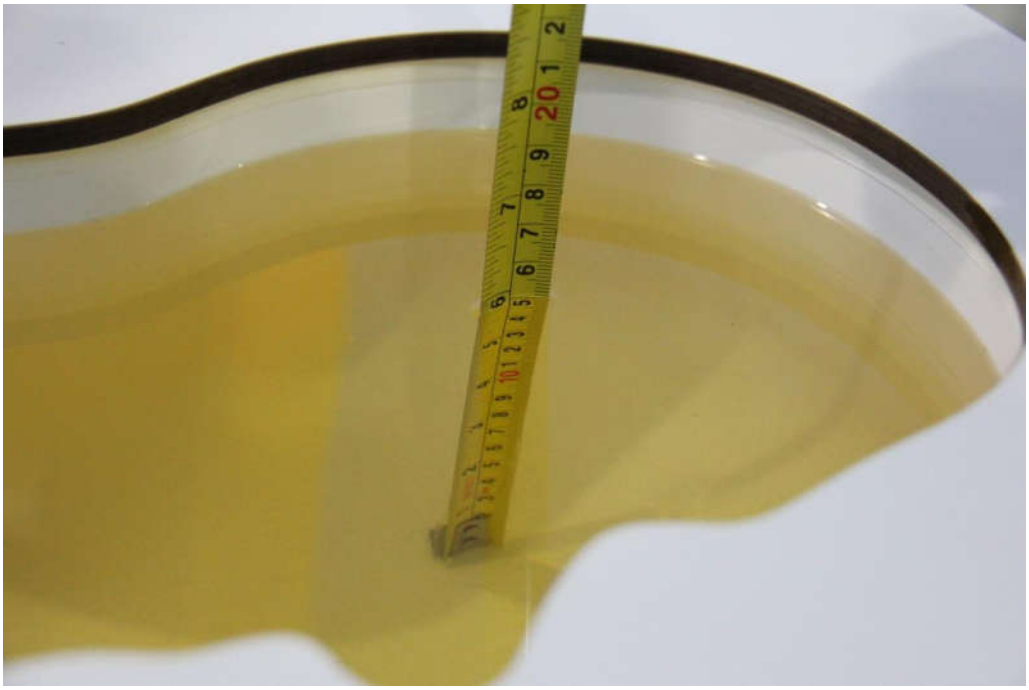
7.2. Dielectric Performance

Table 7.2: Dielectric Performance of Tissue Simulating Liquid

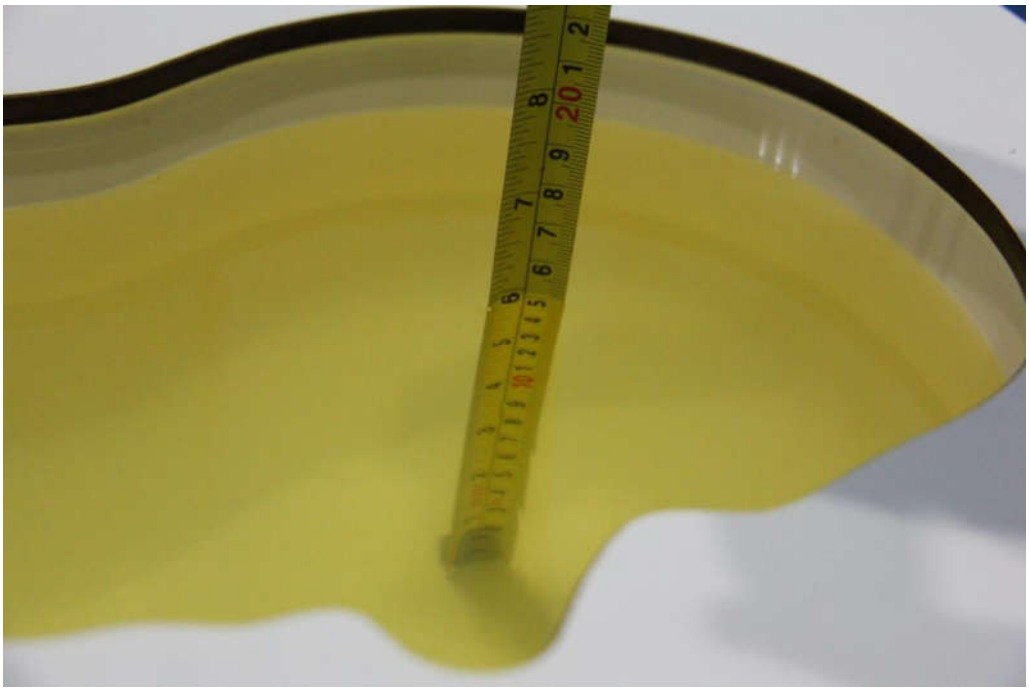
Measurement Date (yyyy-mm-dd)	Type	Frequency (MHz)	Conductivity σ (S/m)	Drift (%)	Permittivity ε	Drift (%)
2023-01-05	750	Head	0.885	-0.56	42.52	1.48
2023-01-14	750	Head	0.914	2.70	40.96	-2.24
2023-01-07	835	Head	0.923	2.56	40.47	-2.48
2023-01-11	835	Head	0.889	-1.22	42.48	2.36
2023-01-11	1750	Head	1.372	0.15	40.19	0.27
2023-01-15	1750	Head	1.365	-0.36	40.83	1.82
2023-01-08	1900	Head	1.428	2.00	39.24	-1.90
2023-01-11	1900	Head	1.440	2.86	39.88	-0.30
2023-01-10	2450	Head	1.855	3.06	38.78	-1.07
2023-01-16	2550	Head	1.952	2.20	38.49	-1.56
2023-01-17	2550	Head	1.938	1.47	38.62	-1.23
2023-01-09	3500	Head	2.866	-1.51	38.70	2.11
2023-01-09	3900	Head	3.359	1.17	36.83	-1.79
2023-01-12	5250	Head	4.807	2.06	35.40	-1.48
2023-01-12	5600	Head	5.165	1.87	34.81	-2.03
2023-01-12	5750	Head	5.383	3.12	34.46	-2.55

Note: The liquid temperature is 22.0°C.

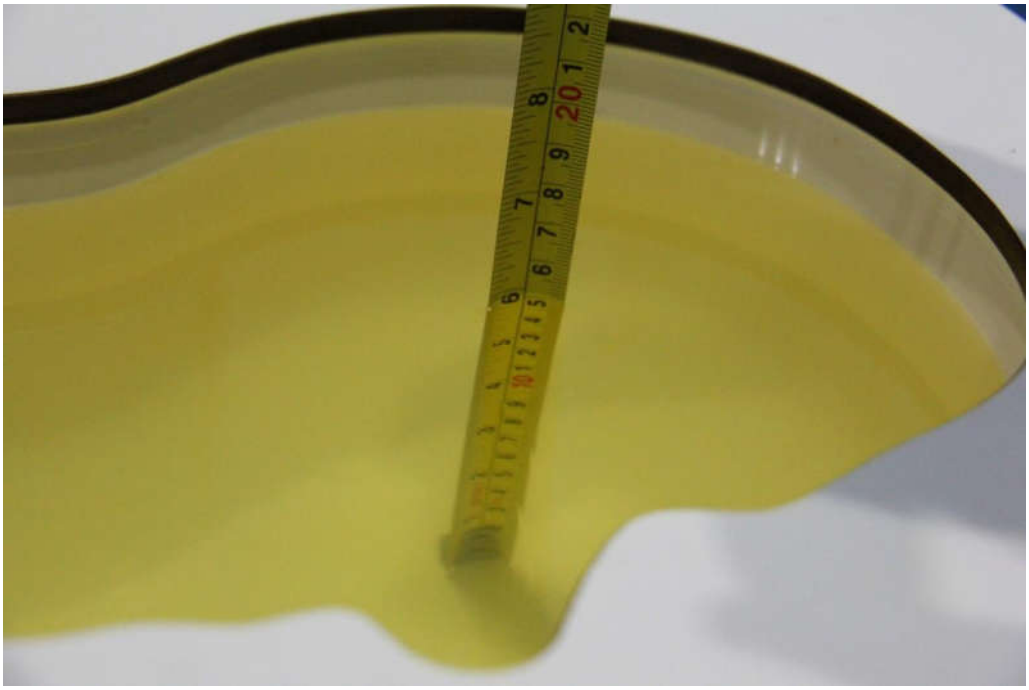
Picture 7-1: Liquid depth in the Head Phantom (750MHz)



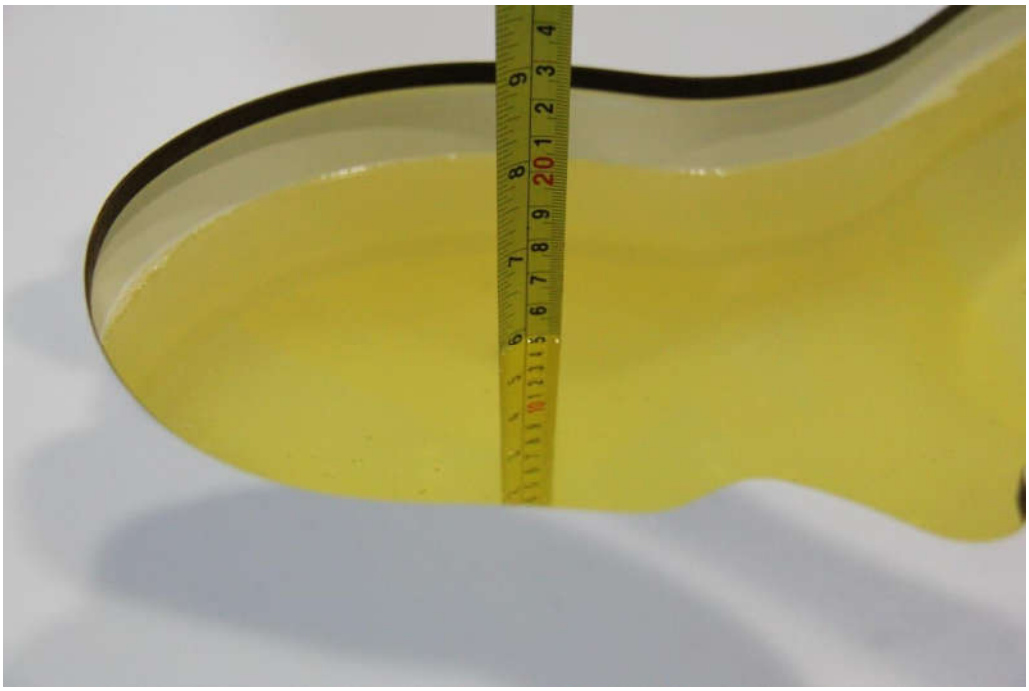
Picture 7-2: Liquid depth in the Head Phantom (835MHz)



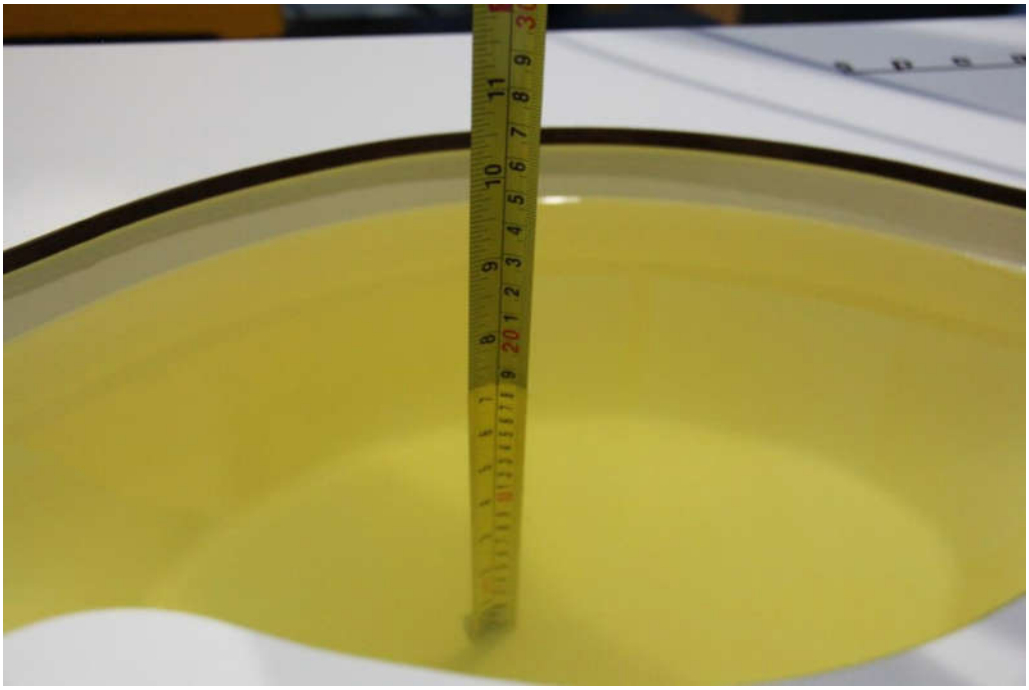
Picture 7-3: Liquid depth in the Head Phantom (1750MHz)



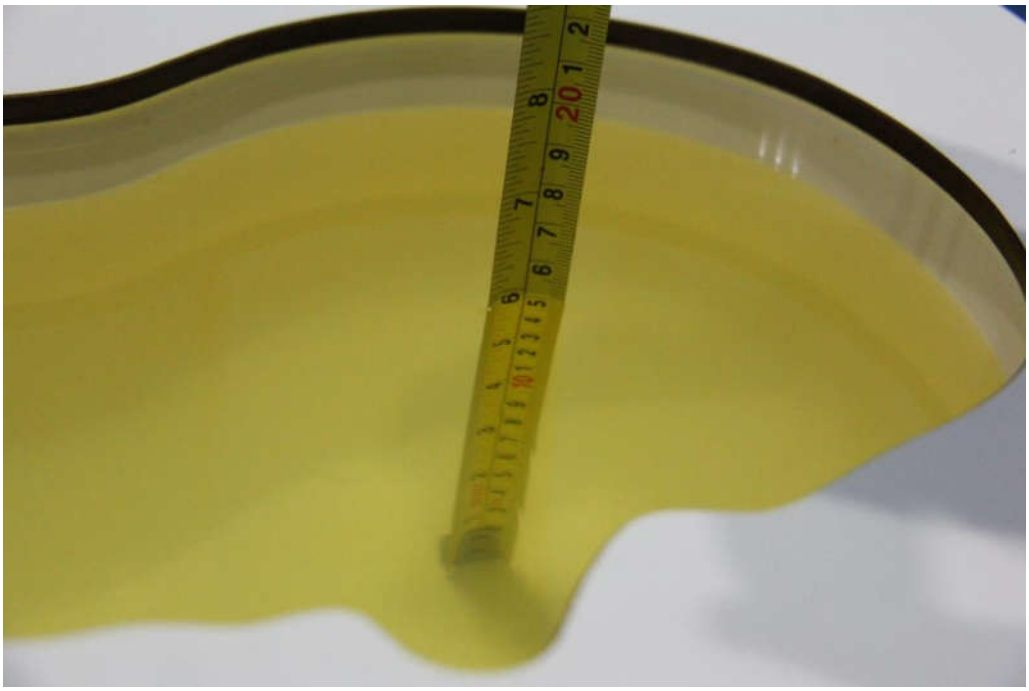
Picture 7-4: Liquid depth in the Head Phantom (1900MHz)



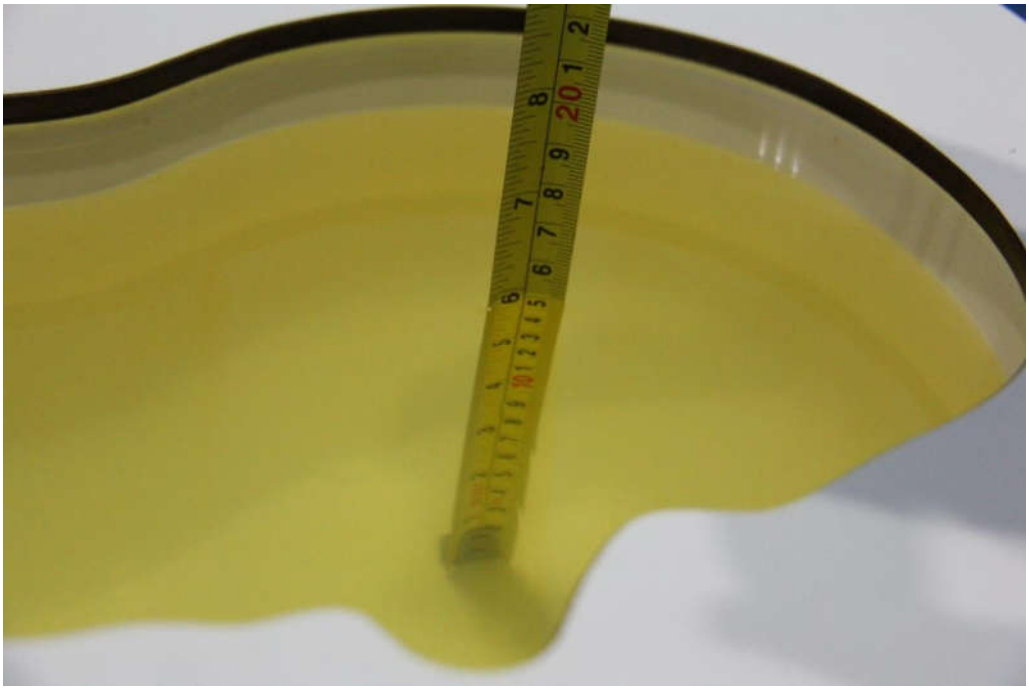
Picture 7-5: Liquid depth in the Head Phantom (2450MHz)



Picture 7-6: Liquid depth in the Flat Phantom (2550MHz)



Picture 7-7: Liquid depth in the Head Phantom (3500MHz)



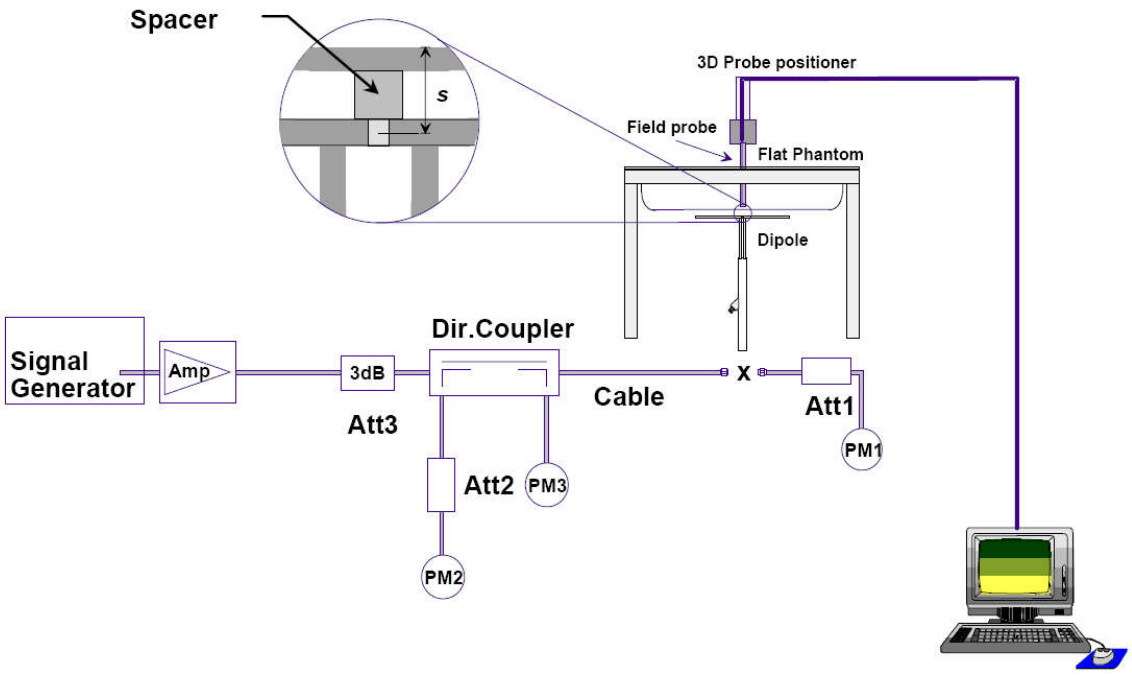
Picture 7-8: Liquid depth in the Head Phantom (3900MHz)

Picture 7-9: Liquid depth in the Head Phantom (5GHz)

8. System verification

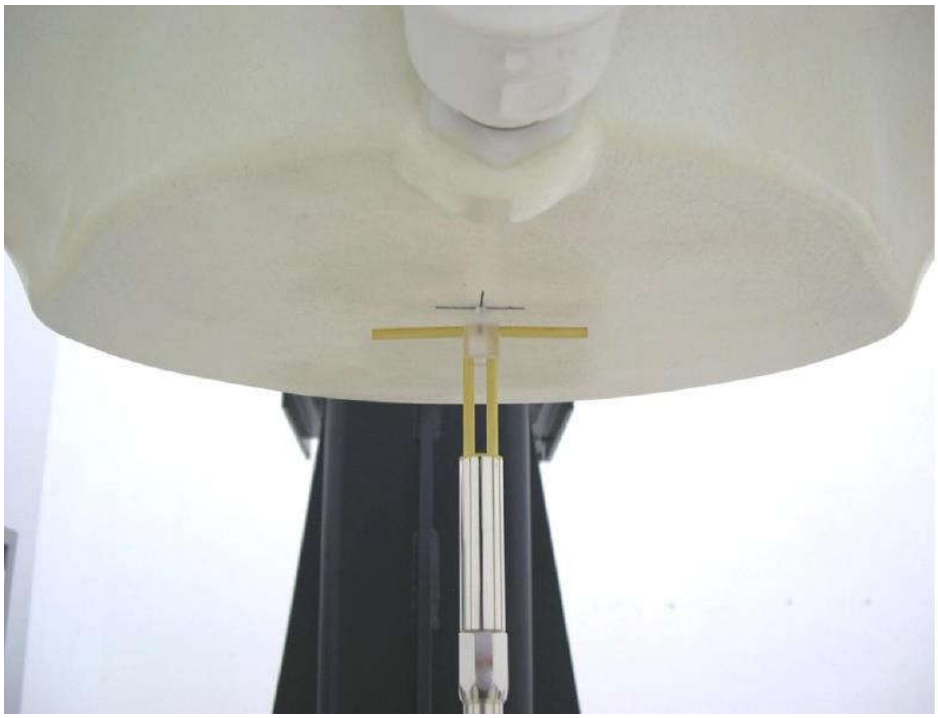
8.1. System Setup

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 3GHz, the output power on dipole port must be calibrated to 24 dBm (250mW) before dipole is connected.
For the dipole above 3GHz, the output power on dipole port must be calibrated to 20 dBm (100mW) before dipole is connected.



Picture 8.2 Photo of Dipole Setup

8.2. System Verification

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 Verification of Head

Measurement Date	Frequency (MHz)	Target value (W/kg)		Measured value (W/kg)				Deviation (%)	
				/		Normalize to 1W			
		10 g	1 g	10 g	1 g	10 g	1 g	10 g	1 g
2023-01-05	750	5.62	8.48	1.38	2.04	5.52	8.16	-1.78	-3.77
2023-01-14	750	5.62	8.48	1.42	2.18	5.68	8.72	1.07	2.83
2023-01-07	835	6.29	9.64	1.60	2.49	6.40	9.96	1.75	3.32
2023-01-11	835	6.29	9.64	1.59	2.41	6.36	9.64	1.11	0.00
2023-01-11	1750	19.60	36.30	4.79	9.03	19.16	36.12	-2.24	-0.50
2023-01-15	1750	19.60	36.30	4.83	8.81	19.32	35.24	-1.43	-2.92
2023-01-08	1900	20.50	40.20	5.24	10.5	20.96	42.00	2.24	4.48
2023-01-11	1900	20.50	40.20	5.11	9.87	20.44	39.48	-0.29	-1.79
2023-01-10	2450	24.90	52.70	6.15	13.3	24.6	53.2	-1.20	0.95
2023-01-16	2550	25.20	55.90	6.48	14.6	25.92	58.40	2.86	4.47
2023-01-17	2550	25.20	55.90	6.37	14.4	25.48	57.60	1.11	3.04
2023-01-09	3500	25.20	66.80	2.49	6.45	24.90	64.50	-1.19	-3.44
2023-01-09	3900	24.80	71.30	2.52	7.30	25.20	73.00	1.61	2.38
2023-01-12	5250	22.30	78.10	2.25	7.81	22.50	78.10	0.90	0.00
2023-01-12	5600	23.70	83.20	2.37	8.17	23.70	81.70	0.00	-1.80
2023-01-12	5750	22.80	80.40	2.28	7.93	22.80	79.30	0.00	-1.37

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.

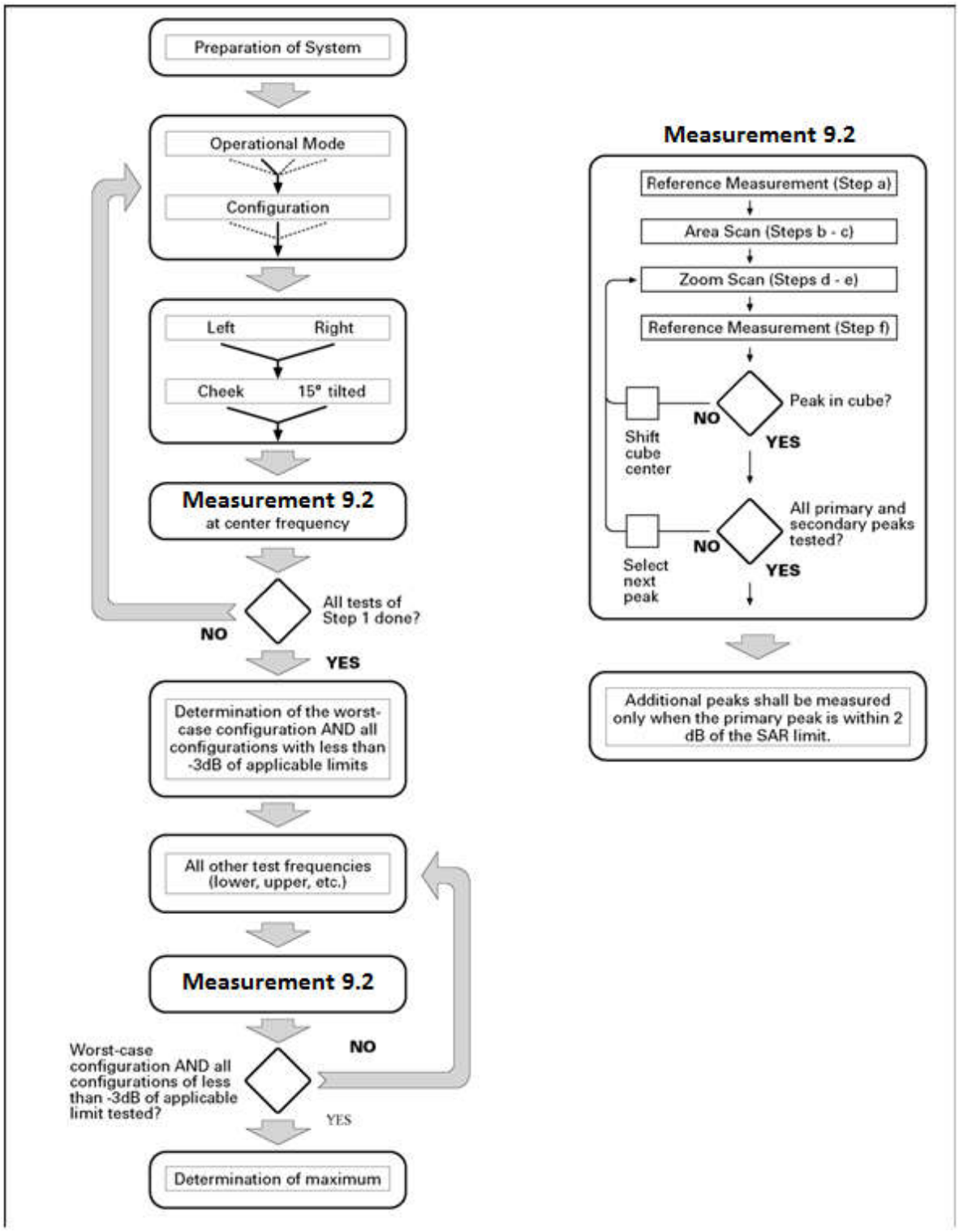
Step 1: The tests described in 9.2 shall be performed at the channel that is closest to the center of the transmit frequency band (f_c) for:

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.

<table>
<tr><td colspan="3"></td><td>≤ 3 GHz</td><td>> 3 GHz</td></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5 ± 1 mm</td><td>½·δ·ln(2) ± 0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30° ± 1°</td><td>20° ± 1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3 – 4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}</td><td>≤ 2 GHz: ≤ 8 mm
2 – 3 GHz: ≤ 5 mm*</td><td>3 – 4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="3">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2">uniform grid: $\Delta z_{Zoom}(n)$</td><td>≤ 5 mm</td><td>3 – 4 GHz: ≤ 4 mm
4 – 5 GHz: ≤ 3 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="2">graded grid</td><td>$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface</td><td>≤ 4 mm</td><td>3 – 4 GHz: ≤ 3 mm
4 – 5 GHz: ≤ 2.5 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td>$\Delta z_{Zoom}(n>1)$: between subsequent points</td><td colspan="2">≤ 1.5·$\Delta z_{Zoom}(n-1)$</td></tr>
<tr><td>Minimum zoom scan volume</td><td colspan="2">x, y, z</td><td>≥ 30 mm</td><td>3 – 4 GHz: ≥ 28 mm
4 – 5 GHz: ≥ 25 mm
5 – 6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">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 ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.</td></tr>
</table>

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	β_{ed1}:47/15 β_{ed2}:47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	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 38/41 support 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.

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

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 x [1/(15000 x 2048)] x 2 + 6 ms = 63.33%
Where
Ts = 1/(15000 x 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 14 labeled as: (Power Drift [dB]). This ensures that the power drift during one measurement is within 5%.

10. Conducted Output Power

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 ≤ 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 (814 - 849MHz)
LTE Band 17 (704 - 716MHz) is covered by LTE Band 12 (699 - 716MHz)
LTE Band 38 (2570 - 2620MHz) is covered by LTE Band 41 (2496 - 2690MHz)
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 10.1: Summary of power level - WWAN antenna

Receiver on (Head)	Receiver off + Hotspot on (Hotspot)	Receiver off + Hotspot off (Body-Worn/ Extremity)
Power Level A1	**Power Level B1**	**Power Level C1**
(ENDC mode)		
Receiver on (Head)	Receiver off + Hotspot on (Hotspot)	Receiver off + Hotspot off (Body-Worn/ Extremity)
Power Level A2	**Power Level B2**	**Power Level C2**

Table 10.2: Summary of power level - WLAN antenna

Receiver on (Head)	Receiver off + Hotspot on (Hotspot)	Receiver off + Hotspot off (Body-Worn/ Extremity)
Power Level D1	**Power Level E1**	**Power Level F1**
(WLAN + WWAN simultaneous transmission)		
Receiver on (Head)	Receiver off + Hotspot on (Hotspot)	Receiver off + Hotspot off (Body-Worn/ Extremity)
Power Level D2	**Power Level E2**	**Power Level F2**

10.1. WCDMA Measurement result

Table 10.3: The conducted power measurement results WCDMA

Power Level A1					
Item	band	WCDMA Band 2			
	ARFCN	Tune up	Ch.9538 (1907.6MHz)	Ch.9400 (1880MHz)	Ch.9262 (1852.4MHz)
WCDMA	\	20.5	**19.89**	**19.91**	**19.90**
HSUPA	1	18.0	17.61	17.49	17.34
	2	17.5	17.10	17.01	17.04
	3	18.5	17.13	17.06	17.06
	4	17.0	16.66	16.59	16.57
	5	18.5	18.09	18.00	17.98
HSPA+(16QAM)	\	19.0	18.80	18.47	18.48
DC-HSDPA	1	19.0	18.91	18.89	18.85
	2	19.0	18.94	18.95	18.84
	3	19.0	18.56	18.49	18.43
	4	19.0	18.49	18.40	18.35
Power Level B1/C1					
Item	band	WCDMA Band 2			
	ARFCN	Tune up	Ch.9538 (1907.6MHz)	Ch.9400 (1880MHz)	Ch.9262 (1852.4MHz)
WCDMA	\	23.3	**23.01**	**22.93**	**22.89**
HSUPA	1	21.0	19.67	19.55	19.43
	2	20.5	19.11	19.03	19.00
	3	19.5	19.09	19.01	18.90
	4	20.3	18.61	18.49	18.40
	5	21.5	20.01	19.92	19.86
HSPA+(16QAM)	\	21.5	20.72	20.62	20.42
DC-HSDPA	1	22.5	21.17	21.06	20.93
	2	22.5	21.07	21.00	20.91
	3	22.5	20.61	20.54	20.55
	4	22.0	20.16	20.21	20.32

Power Level A1					
Item	band	WCDMA Band 4			
	ARFCN	Tune up	Ch.1513 (1752.6MHz)	Ch.1413 (1732.6MHz)	Ch.1312 (1712.4MHz)
WCDMA	\	20.0	**19.52**	**19.63**	**19.62**
HSUPA	1	18.8	16.97	17.11	17.19
	2	18.3	16.47	16.44	16.53
	3	17.0	16.50	16.55	16.51
	4	17.8	16.01	16.06	15.99
	5	19.3	17.47	17.49	17.39
HSPA+(16QAM)	\	19.5	18.12	18.08	18.12
DC-HSDPA	1	19.8	18.50	18.67	18.76
	2	19.8	18.78	18.88	18.79
	3	19.8	19.35	19.40	19.44
	4	19.8	19.30	19.43	19.40
Power Level B1/C1					
Item	band	WCDMA Band 4			
	ARFCN	Tune up	Ch.1513 (1752.6MHz)	Ch.1413 (1732.6MHz)	Ch.1312 (1712.4MHz)
WCDMA	\	23.3	**22.54**	**22.49**	**22.42**
HSUPA	1	20.9	19.02	19.16	19.27
	2	20.5	18.60	18.65	18.73
	3	19.5	18.57	18.63	18.76
	4	19.9	18.11	18.19	18.28
	5	21.5	19.60	19.64	19.74
HSPA+(16QAM)	\	21.5	20.19	20.18	20.22
DC-HSDPA	1	22.5	20.68	20.70	20.82
	2	22.3	20.66	20.72	20.83
	3	21.9	20.10	20.21	20.34
	4	21.9	20.01	20.11	20.28

Power Level A1/B1/C1					
Item	band	WCDMA Band 5			
	ARFCN	Tune up	Ch.4233 (846.6MHz)	Ch.4183 (836.6MHz)	Ch.4132 (826.4MHz)
WCDMA	\	24.0	**22.97**	**23.05**	**23.08**
HSUPA	1	21.5	19.85	19.90	19.93
	2	20.5	19.33	19.39	19.35
	3	21.5	19.58	19.54	19.55
	4	20.5	18.91	18.98	18.93
	5	22.5	20.63	20.69	20.61
HSPA+(16QAM)	\	22.0	20.92	20.90	21.05
DC-HSDPA	1	23.0	21.40	21.43	21.38
	2	22.5	21.35	21.49	21.43
	3	22.0	20.96	21.05	20.96
	4	22.0	20.99	21.02	20.92

10.2. LTE Measurement result

Table 10.4: The conducted Power for LTE

Power Level A1/A2/C1/C2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2567.5	18.02	18.39	18.17	19.3	19.3	19.3
		2535.0	18.11	18.36	18.20			
		2502.5	18.05	18.33	18.28			
	1RB_12	2567.5	18.03	18.39	18.16			
		2535.0	18.17	18.36	18.36			
		2502.5	18.09	18.35	18.18			
	1RB_0	2567.5	17.96	18.31	18.08			
		2535.0	18.05	18.32	18.22			
		2502.5	17.95	18.24	18.09			
	12RB_13	2567.5	18.05	18.08	18.12	19.3	19.3	19.3
		2535.0	18.11	18.13	18.17			
		2502.5	18.11	18.12	18.20			
	12RB_6	2567.5	18.03	18.06	18.06			
		2535.0	18.11	18.13	18.16			
		2502.5	18.06	18.07	18.12			
	12RB_0	2567.5	18.02	18.09	18.12			
		2535.0	18.12	18.15	18.18			
		2502.5	18.04	18.03	18.08			
	25RB_0	2567.5	18.06	18.06	18.10			
		2535.0	18.13	18.16	18.19			
		2502.5	18.09	18.13	18.12			

Power Level A1/A2/C1/C2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2565.0	18.12	18.44	18.34	19.3	19.3	19.3
		2535.0	18.09	18.40	18.29			
		2505.0	18.07	18.32	18.25			
	1RB_24	2565.0	18.09	18.34	18.26			
		2535.0	18.13	18.44	18.34			
		2505.0	18.09	18.34	18.28			
	1RB_0	2565.0	17.99	18.30	18.23			
		2535.0	18.02	18.32	18.21			
		2505.0	17.96	18.18	18.12			
	25RB_25	2565.0	18.16	18.19	18.12	19.3	19.3	19.3
		2535.0	18.24	18.26	18.26			
		2505.0	18.19	18.23	18.21			
	25RB_12	2565.0	18.03	18.11	18.04			
		2535.0	18.14	18.17	18.18			
		2505.0	18.08	18.16	18.11			
	25RB_0	2565.0	18.07	18.10	18.06			
		2535.0	18.06	18.11	18.10			
		2505.0	17.96	17.99	17.97			
	50RB_0	2565.0	18.11	18.09	18.11			
		2535.0	18.20	18.15	18.19			
		2505.0	18.14	18.09	18.09			

Power Level A1/A2/C1/C2								
LTE Band 7			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2562.5	18.01	18.30	18.15	**19.3**	**19.3**	**19.3**
		2535.0	18.14	18.43	18.29			
		2507.5	18.07	18.43	18.30			
	1RB_37	2562.5	18.03	18.35	18.15			
		2535.0	18.15	18.43	18.29			
		2507.5	18.13	18.40	18.34			
	1RB_0	2562.5	17.93	18.25	18.07			
		2535.0	17.97	18.28	18.19			
		2507.5	17.95	18.29	18.18			
	36RB_38	2562.5	18.10	18.12	18.15	**19.3**	**19.3**	**19.3**
		2535.0	18.21	18.18	18.21			
		2507.5	18.09	18.08	18.14			
	36RB_19	2562.5	18.07	18.08	18.11			
		2535.0	18.13	18.12	18.16			
		2507.5	18.11	18.12	18.13			
	36RB_0	2562.5	18.07	18.09	18.12			
		2535.0	18.04	18.00	18.06			
		2507.5	17.96	18.01	18.02			
	75RB_0	2562.5	18.12	18.17	18.11			
		2535.0	18.17	18.14	18.19			
		2507.5	18.08	18.08	18.07			

Power Level A1/A2/C1/C2								
LTE Band 7			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2560.0	17.98	18.27	18.20	**19.3**	**19.3**	**19.3**
		2535.0	18.08	18.34	18.23			
		2510.0	18.09	18.27	18.18			
	1RB_50	2560.0	18.03	18.31	18.20			
		2535.0	**18.11**	18.37	18.33			
		2510.0	18.09	18.33	18.06			
	1RB_0	2560.0	17.87	18.16	18.09			
		2535.0	17.87	18.14	17.95			
		2510.0	17.85	18.13	17.87			
	50RB_50	2560.0	18.18	18.17	18.18	**19.3**	**19.3**	**19.3**
		2535.0	**18.28**	18.29	18.29			
		2510.0	18.12	18.04	18.07			
	50RB_25	2560.0	18.09	18.12	18.11			
		2535.0	18.16	18.13	18.20			
		2510.0	18.11	18.11	18.13			
	50RB_0	2560.0	18.18	18.20	18.21			
		2535.0	18.08	18.06	18.08			
		2510.0	17.96	17.95	17.94			
	100RB_0	2560.0	18.19	18.19	18.16			
		2535.0	18.18	18.16	18.21			
		2510.0	17.95	17.97	17.99			

Power Level B1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2567.5	17.48	17.57	17.45	18.5	18.5	18.5
		2535.0	17.48	17.59	17.31			
		2502.5	17.46	17.49	17.28			
	1RB_12	2567.5	17.40	17.44	17.39			
		2535.0	17.49	17.58	17.29			
		2502.5	17.40	17.45	17.36			
	1RB_0	2567.5	17.37	17.41	17.38			
		2535.0	17.44	17.51	17.31			
		2502.5	17.40	17.51	17.30			
	12RB_13	2567.5	17.38	17.18	17.23	18.5	18.5	18.5
		2535.0	17.45	17.26	17.25			
		2502.5	17.44	17.29	17.28			
	12RB_6	2567.5	17.36	17.15	17.16			
		2535.0	17.43	17.26	17.24			
		2502.5	17.39	17.21	17.22			
	12RB_0	2567.5	17.35	17.14	17.22			
		2535.0	17.42	17.25	17.25			
		2502.5	17.38	17.18	17.18			
	25RB_0	2567.5	17.35	17.16	17.20			
		2535.0	17.44	17.24	17.26			
		2502.5	17.43	17.21	17.23			

Power Level B1								
LTE Band 7			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2565.0	17.47	17.57	17.51	**18.5**	**18.5**	**18.5**
		2535.0	17.52	17.63	17.54			
		2505.0	17.46	17.54	17.48			
	1RB_24	2565.0	17.40	17.48	17.47			
		2535.0	17.47	17.57	17.46			
		2505.0	17.39	17.45	17.37			
	1RB_0	2565.0	17.40	17.53	17.47			
		2535.0	17.41	17.46	17.35			
		2505.0	17.31	17.43	17.31			
	25RB_25	2565.0	17.46	17.28	17.26	**18.5**	**18.5**	**18.5**
		2535.0	17.53	17.36	17.34			
		2505.0	17.53	17.36	17.34			
	25RB_12	2565.0	17.40	17.22	17.20			
		2535.0	17.46	17.27	17.27			
		2505.0	17.40	17.25	17.25			
	25RB_0	2565.0	17.38	17.23	17.23			
		2535.0	17.44	17.25	17.23			
		2505.0	17.27	17.09	17.10			
	50RB_0	2565.0	17.48	17.25	17.26			
		2535.0	17.52	17.31	17.30			
		2505.0	17.42	17.23	17.23			

Power Level B1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2562.5	17.33	17.42	17.40	18.5	18.5	18.5
		2535.0	17.38	17.46	17.53			
		2507.5	17.45	17.53	17.44			
	1RB_37	2562.5	17.35	17.49	17.41			
		2535.0	17.39	17.46	17.49			
		2507.5	17.40	17.51	17.48			
	1RB_0	2562.5	17.29	17.42	17.37			
		2535.0	17.30	17.37	17.39			
		2507.5	17.26	17.40	17.33			
	36RB_38	2562.5	17.44	17.22	17.30	18.5	18.5	18.5
		2535.0	17.47	17.32	17.31			
		2507.5	17.47	17.30	17.30			
	36RB_19	2562.5	17.41	17.22	17.27			
		2535.0	17.42	17.24	17.26			
		2507.5	17.40	17.24	17.25			
	36RB_0	2562.5	17.42	17.23	17.24			
		2535.0	17.36	17.20	17.21			
		2507.5	17.26	17.11	17.10			
	75RB_0	2562.5	17.47	17.26	17.26			
		2535.0	17.45	17.27	17.27			
		2507.5	17.38	17.15	17.20			

Power Level B1								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2560.0	17.31	17.52	17.36	18.5	18.5	18.5
		2535.0	17.41	17.56	17.45			
		2510.0	17.43	17.65	17.45			
	1RB_50	2560.0	17.37	17.60	17.36			
		2535.0	**17.45**	17.51	17.41			
		2510.0	17.37	17.56	17.39			
	1RB_0	2560.0	17.31	17.49	17.30			
		2535.0	17.22	17.37	17.24			
		2510.0	17.27	17.41	17.22			
	50RB_50	2560.0	17.37	17.22	17.22	18.5	18.5	18.5
		2535.0	**17.49**	17.33	17.30			
		2510.0	17.28	17.12	17.10			
	50RB_25	2560.0	17.43	17.21	17.22			
		2535.0	17.46	17.26	17.27			
		2510.0	17.40	17.21	17.21			
	50RB_0	2560.0	17.48	17.30	17.33			
		2535.0	17.35	17.18	17.17			
		2510.0	17.23	17.01	17.00			
	100RB_0	2560.0	17.45	17.24	17.26			
		2535.0	17.42	17.22	17.24			
		2510.0	17.22	17.03	17.03			

Power Level B2								
LTE Band 7			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2567.5	16.16	16.38	16.43	**17.5**	**17.5**	**17.5**
		2535.0	16.18	16.43	16.44			
		2502.5	16.15	16.41	16.31			
	1RB_12	2567.5	16.15	16.39	16.39			
		2535.0	16.24	16.50	16.43			
		2502.5	16.17	16.41	16.19			
	1RB_0	2567.5	16.06	16.34	16.36			
		2535.0	16.16	16.41	16.40			
		2502.5	16.06	16.32	16.18			
	12RB_13	2567.5	16.09	16.14	16.15	**17.5**	**17.5**	**17.5**
		2535.0	16.17	16.16	16.20			
		2502.5	16.19	16.21	16.20			
	12RB_6	2567.5	16.10	16.07	16.12			
		2535.0	16.21	16.20	16.21			
		2502.5	16.12	16.12	16.13			
	12RB_0	2567.5	16.09	16.10	16.11			
		2535.0	16.18	16.17	16.18			
		2502.5	16.12	16.13	16.14			
	25RB_0	2567.5	16.10	16.13	16.11			
		2535.0	16.15	16.17	16.21			
		2502.5	16.17	16.14	16.17			

Power Level B2								
LTE Band 7			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2565.0	16.21	16.57	16.35	**17.5**	**17.5**	**17.5**
		2535.0	16.25	16.48	16.49			
		2505.0	16.21	16.45	16.48			
	1RB_24	2565.0	16.14	16.45	16.30			
		2535.0	16.18	16.50	16.45			
		2505.0	16.13	16.37	16.35			
	1RB_0	2565.0	16.16	16.45	16.33			
		2535.0	16.14	16.44	16.40			
		2505.0	16.08	16.23	16.34			
	25RB_25	2565.0	16.16	16.23	16.19	**17.5**	**17.5**	**17.5**
		2535.0	16.21	16.27	16.27			
		2505.0	16.24	16.30	16.29			
	25RB_12	2565.0	16.12	16.19	16.15			
		2535.0	16.16	16.21	16.21			
		2505.0	16.12	16.16	16.22			
	25RB_0	2565.0	16.15	16.18	16.15			
		2535.0	16.14	16.19	16.17			
		2505.0	16.03	16.06	16.03			
	50RB_0	2565.0	16.19	16.22	16.19			
		2535.0	16.24	16.24	16.23			
		2505.0	16.18	16.16	16.18			

Power Level B2								
LTE Band 7			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2562.5	16.11	16.44	16.26	17.5	17.5	17.5
		2535.0	16.20	16.51	16.32			
		2507.5	16.16	16.45	16.27			
	1RB_37	2562.5	16.13	16.47	16.26			
		2535.0	16.19	16.51	16.20			
		2507.5	16.19	16.46	16.28			
	1RB_0	2562.5	16.07	16.42	16.19			
		2535.0	16.09	16.37	16.09			
		2507.5	16.03	16.32	16.12			
	36RB_38	2562.5	16.22	16.20	16.22	17.5	17.5	17.5
		2535.0	16.24	16.24	16.26			
		2507.5	16.20	16.24	16.24			
	36RB_19	2562.5	16.13	16.19	16.21			
		2535.0	16.18	16.19	16.21			
		2507.5	16.14	16.17	16.16			
	36RB_0	2562.5	16.20	16.23	16.21			
		2535.0	16.12	16.14	16.17			
		2507.5	16.04	16.02	16.08			
	75RB_0	2562.5	16.23	16.22	16.22			
		2535.0	16.22	16.19	16.19			
		2507.5	16.12	16.12	16.09			

Power Level B2								
LTE Band 7			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2560.0	16.17	16.49	16.38	**17.5**	**17.5**	**17.5**
		2535.0	16.19	16.52	16.42			
		2510.0	16.19	16.43	16.36			
	1RB_50	2560.0	16.23	16.51	16.40			
		2535.0	**16.24**	16.49	16.44			
		2510.0	16.16	16.53	16.31			
	1RB_0	2560.0	16.16	16.48	16.34			
		2535.0	16.08	16.36	16.18			
		2510.0	16.01	16.33	16.15			
	50RB_50	2560.0	16.24	16.23	16.23	**17.5**	**17.5**	**17.5**
		2535.0	**16.31**	16.33	16.29			
		2510.0	16.09	16.14	16.06			
	50RB_25	2560.0	16.22	16.24	16.22			
		2535.0	16.28	16.27	16.23			
		2510.0	16.21	16.15	16.20			
	50RB_0	2560.0	16.34	16.35	16.35			
		2535.0	16.17	16.16	16.15			
		2510.0	16.02	15.98	15.98			
	100RB_0	2560.0	16.26	16.24	16.22			
		2535.0	16.26	16.23	16.20			
		2510.0	16.02	16.04	16.03			

Power Level A1/B1/B2/C1/C2								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	715.3	22.62	21.82	20.65	24.0	23.0	22.0
		707.5	22.72	21.89	21.04			
		699.7	22.71	21.91	21.05			
	1RB_3	715.3	22.65	21.86	20.68			
		707.5	22.74	21.91	21.06			
		699.7	22.68	21.83	21.03			
	1RB_0	715.3	22.67	21.83	20.68			
		707.5	22.71	21.88	21.05			
		699.7	22.66	21.81	21.05			
	3RB_3	715.3	22.69	21.65	20.97			
		707.5	22.79	21.76	21.07			
		699.7	22.72	21.72	20.98			
	3RB_1	715.3	22.68	21.71	20.98			
		707.5	22.78	21.76	21.01			
		699.7	22.70	21.75	20.97			
	3RB_0	715.3	22.72	21.71	21.00			
		707.5	22.76	21.77	21.02			
		699.7	22.69	21.73	20.96			
	6RB_0	715.3	21.68	20.85	19.84	23.0	22.0	21.0
		707.5	21.76	20.97	19.85			
		699.7	21.70	20.92	19.86			

Power Level A1/B1/B2/C1/C2								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	714.5	22.64	21.79	20.93	24.0	23.0	22.0
		707.5	22.76	21.87	21.06			
		700.5	22.75	21.88	21.10			
	1RB_7	714.5	22.73	21.85	20.97			
		707.5	22.78	21.86	21.08			
		700.5	22.78	21.88	21.13			
	1RB_0	714.5	22.69	21.82	20.94			
		707.5	22.75	21.82	21.03			
		700.5	22.67	21.77	21.06			
	8RB_7	714.5	21.63	20.86	19.87	23.0	22.0	21.0
		707.5	21.69	20.91	19.99			
		700.5	21.68	20.92	19.92			
	8RB_4	714.5	21.65	20.90	19.88			
		707.5	21.69	20.96	20.01			
		700.5	21.72	20.97	19.93			
	8RB_0	714.5	21.66	20.89	19.90			
		707.5	21.68	20.92	19.97			
		700.5	21.66	20.91	19.91			
	15RB_0	714.5	21.66	20.87	19.83			
		707.5	21.67	20.91	19.90			
		700.5	21.69	20.90	19.88			

Power Level A1/B1/B2/C1/C2								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	713.5	22.70	21.89	20.73	24.0	23.0	22.0
		707.5	22.85	21.90	21.18			
		701.5	22.82	22.00	21.07			
	1RB_12	713.5	22.80	21.92	20.85			
		707.5	22.86	21.93	21.11			
		701.5	22.78	21.96	21.09			
	1RB_0	713.5	22.72	21.83	20.75			
		707.5	22.76	21.91	21.08			
		701.5	22.73	21.89	21.03			
	12RB_13	713.5	21.64	20.80	19.86	23.0	22.0	21.0
		707.5	21.77	20.93	20.00			
		701.5	21.70	20.86	19.92			
	12RB_6	713.5	21.68	20.87	19.89			
		707.5	21.75	20.91	19.97			
		701.5	21.74	20.90	19.96			
	12RB_0	713.5	21.71	20.86	19.90			
		707.5	21.74	20.89	19.94			
		701.5	21.75	20.90	19.93			
	25RB_0	713.5	21.64	20.83	19.84			
		707.5	21.71	20.94	19.93			
		701.5	21.74	20.90	19.93			

Power Level A1/B1/B2/C1/C2								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	711.0	22.78	21.85	20.99	24.0	23.0	22.0
		707.5	**22.83**	21.97	21.17			
		704.0	22.81	21.92	21.14			
	1RB_24	711.0	22.76	21.84	21.02			
		707.5	22.77	21.90	21.11			
		704.0	22.77	21.84	21.07			
	1RB_0	711.0	22.71	21.83	20.97			
		707.5	22.68	21.85	20.99			
		704.0	22.69	21.80	21.04			
	25RB_25	711.0	21.71	20.93	19.89	23.0	22.0	21.0
		707.5	**21.81**	21.03	20.03			
		704.0	21.79	20.99	19.98			
	25RB_12	711.0	21.70	20.92	19.91			
		707.5	21.74	20.92	19.94			
		704.0	21.71	20.91	19.95			
	25RB_0	711.0	21.64	20.84	19.82			
		707.5	21.71	20.88	19.85			
		704.0	21.76	20.93	19.99			
	50RB_0	711.0	21.69	20.84	19.88			
		707.5	21.78	20.93	19.93			
		704.0	21.77	20.91	19.94			

Power Level A2								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	715.3	20.56	20.76	20.67	22.0	22.0	22.0
		707.5	20.67	20.84	20.66			
		699.7	20.60	20.89	20.71			
	1RB_3	715.3	20.58	20.81	20.75			
		707.5	20.66	20.79	20.67			
		699.7	20.64	20.89	20.73			
	1RB_0	715.3	20.60	20.83	20.64			
		707.5	20.61	20.84	20.70			
		699.7	20.63	20.80	20.74			
	3RB_3	715.3	20.57	20.59	20.64			
		707.5	20.64	20.67	20.74			
		699.7	20.62	20.63	20.75			
	3RB_1	715.3	20.61	20.63	20.66			
		707.5	20.62	20.67	20.77			
		699.7	20.59	20.65	20.71			
	3RB_0	715.3	20.59	20.61	20.65			
		707.5	20.65	20.66	20.76			
		699.7	20.61	20.64	20.73			
	6RB_0	715.3	20.65	20.67	19.55	22.0	22.0	21.0
		707.5	20.67	20.72	19.59			
		699.7	20.59	20.68	19.58			

Power Level A2								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	714.5	20.54	20.83	20.74	22.0	22.0	22.0
		707.5	20.66	20.89	20.83			
		700.5	20.64	20.90	20.72			
	1RB_7	714.5	20.63	20.87	20.79			
		707.5	20.67	20.87	20.83			
		700.5	20.65	20.89	20.77			
	1RB_0	714.5	20.54	20.80	20.70			
		707.5	20.64	20.80	20.81			
		700.5	20.58	20.83	20.70			
	8RB_7	714.5	20.54	20.63	19.59	22.0	22.0	21.0
		707.5	20.61	20.66	19.64			
		700.5	20.61	20.68	19.59			
	8RB_4	714.5	20.57	20.64	19.62			
		707.5	20.65	20.70	19.64			
		700.5	20.63	20.72	19.63			
	8RB_0	714.5	20.57	20.63	19.64			
		707.5	20.60	20.64	19.59			
		700.5	20.59	20.66	19.60			
	15RB_0	714.5	20.57	20.66	19.59			
		707.5	20.61	20.66	19.58			
		700.5	20.62	20.65	19.60			

Power Level A2								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	713.5	20.69	20.75	20.79	22.0	22.0	22.0
		707.5	20.73	20.86	20.86			
		701.5	20.74	20.84	20.86			
	1RB_12	713.5	20.69	20.80	20.83			
		707.5	20.71	20.80	20.81			
		701.5	20.68	20.82	20.88			
	1RB_0	713.5	20.60	20.75	20.77			
		707.5	20.69	20.85	20.79			
		701.5	20.65	20.76	20.83			
	12RB_13	713.5	20.57	20.57	19.59	22.0	22.0	21.0
		707.5	20.73	20.72	19.72			
		701.5	20.67	20.66	19.69			
	12RB_6	713.5	20.61	20.65	19.65			
		707.5	20.68	20.67	19.69			
		701.5	20.71	20.69	19.73			
	12RB_0	713.5	20.58	20.61	19.62			
		707.5	20.67	20.66	19.73			
		701.5	20.74	20.70	19.73			
	25RB_0	713.5	20.59	20.59	19.57			
		707.5	20.67	20.68	19.64			
		701.5	20.71	20.70	19.66			

Power Level A2								
LTE Band 12			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	711.0	20.73	20.94	20.76	22.0	22.0	22.0
		707.5	**20.82**	20.92	20.74			
		704.0	20.81	20.97	20.77			
	1RB_24	711.0	20.67	20.82	20.68			
		707.5	20.76	20.97	20.77			
		704.0	20.73	20.95	20.80			
	1RB_0	711.0	20.65	20.84	20.73			
		707.5	20.67	20.91	20.74			
		704.0	20.68	20.85	20.70			
	25RB_25	711.0	20.66	20.68	19.65	22.0	22.0	21.0
		707.5	**20.73**	20.75	19.71			
		704.0	20.69	20.71	19.69			
	25RB_12	711.0	20.65	20.66	19.65			
		707.5	20.66	20.68	19.64			
		704.0	20.70	20.73	19.69			
	25RB_0	711.0	20.59	20.60	19.58			
		707.5	20.64	20.63	19.64			
		704.0	20.69	20.72	19.70			
	50RB_0	711.0	20.63	20.63	19.60			
		707.5	20.68	20.70	19.66			
		704.0	20.75	20.71	19.75			

Power Level A1/B1/B2/C1/C2								
LTE Band 13			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	784.5	22.90	21.98	20.93	24.0	23.0	22.0
		782.0	22.87	22.01	21.13			
		779.5	22.91	22.06	21.07			
	1RB_12	784.5	22.91	22.04	20.94			
		782.0	22.88	22.05	21.13			
		779.5	22.96	22.09	21.15			
	1RB_0	784.5	22.88	22.06	20.87			
		782.0	22.88	22.08	21.17			
		779.5	22.84	21.97	21.05			
	12RB_13	784.5	21.82	20.80	19.89	23.0	22.0	21.0
		782.0	21.81	20.79	19.87			
		779.5	21.76	20.71	19.84			
	12RB_6	784.5	21.83	20.73	19.85			
		782.0	21.81	20.78	19.88			
		779.5	21.81	20.79	19.90			
	12RB_0	784.5	21.82	20.76	19.92			
		782.0	21.86	20.82	19.96			
		779.5	21.85	20.83	19.95			
	25RB_0	784.5	21.77	20.85	19.83			
		782.0	21.84	20.85	19.84			
		779.5	21.82	20.82	19.85			

Power Level A1/B1/B2/C1/C2								
LTE Band 13			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	782.0	**22.90**	21.94	20.96	**24.0**	**23.0**	**22.0**
	1RB_24	782.0	22.88	22.03	20.97			
	1RB_0	782.0	22.83	21.93	20.96			
	25RB_25	782.0	**21.89**	20.90	19.90	**23.0**	**22.0**	**21.0**
	25RB_12	782.0	21.82	20.80	19.88			
	25RB_0	782.0	21.85	20.93	19.94			
	50RB_0	782.0	21.90	20.91	19.94			

Power Level A2								
LTE Band 13			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	784.5	20.85	21.13	21.04	22.0	22.0	22.0
		782.0	20.80	21.13	20.99			
		779.5	20.84	21.14	21.04			
	1RB_12	784.5	20.89	21.17	21.04			
		782.0	20.82	21.14	21.03			
		779.5	20.88	21.16	21.09			
	1RB_0	784.5	20.87	21.10	21.03			
		782.0	20.81	21.09	21.00			
		779.5	20.85	21.03	20.89			
	12RB_13	784.5	20.88	20.88	20.14	22.0	22.0	21.0
		782.0	20.81	20.83	20.04			
		779.5	20.77	20.77	19.96			
	12RB_6	784.5	20.86	20.87	20.07			
		782.0	20.81	20.78	20.00			
		779.5	20.81	20.83	20.01			
	12RB_0	784.5	20.85	20.79	20.07			
		782.0	20.86	20.86	20.05			
		779.5	20.86	20.85	20.04			
	25RB_0	784.5	20.85	20.91	20.07			
		782.0	20.79	20.87	20.04			
		779.5	20.83	20.84	20.05			

Power Level A2								
LTE Band 13			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	782.0	**20.93**	21.04	20.99	**22.0**	**22.0**	**22.0**
	1RB_24	782.0	20.78	21.06	20.96			
	1RB_0	782.0	20.78	20.97	20.97			
	25RB_25	782.0	20.89	20.93	20.11	**22.0**	**22.0**	**21.0**
	25RB_12	782.0	20.80	20.83	20.02			
	25RB_0	782.0	**20.91**	20.91	20.09			
	50RB_0	782.0	20.90	20.91	20.09			

Ant.2 - Power Level A1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1914.3	20.48	20.55	20.46	21.5	21.5	21.5
		1882.5	20.44	20.57	20.35			
		1850.7	20.32	20.45	20.22			
	1RB_3	1914.3	20.50	20.58	20.40			
		1882.5	20.50	20.59	20.38			
		1850.7	20.31	20.44	20.25			
	1RB_0	1914.3	20.48	20.58	20.49			
		1882.5	20.50	20.57	20.40			
		1850.7	20.34	20.46	20.24			
	3RB_3	1914.3	20.50	20.34	20.38			
		1882.5	20.50	20.32	20.42			
		1850.7	20.36	20.12	20.20			
	3RB_1	1914.3	20.52	20.37	20.38			
		1882.5	20.52	20.32	20.43			
		1850.7	20.36	20.11	20.21			
	3RB_0	1914.3	20.52	20.33	20.40			
		1882.5	20.49	20.30	20.44			
		1850.7	20.33	20.15	20.19			
	6RB_0	1914.3	20.52	20.41	20.25	21.5	21.5	21.5
		1882.5	20.53	20.40	20.26			
		1850.7	20.35	20.23	20.11			

Ant.2 - Power Level A1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1913.5	20.48	20.44	20.45	21.5	21.5	21.5
		1882.5	20.49	20.51	20.46			
		1851.5	20.31	20.38	20.33			
	1RB_7	1913.5	20.52	20.45	20.51			
		1882.5	20.53	20.50	20.51			
		1851.5	20.30	20.37	20.32			
	1RB_0	1913.5	20.48	20.48	20.44			
		1882.5	20.49	20.50	20.46			
		1851.5	20.31	20.41	20.34			
	8RB_7	1913.5	20.47	20.38	20.37	21.5	21.5	21.5
		1882.5	20.48	20.35	20.30			
		1851.5	20.33	20.21	20.14			
	8RB_4	1913.5	20.49	20.40	20.35			
		1882.5	20.48	20.35	20.29			
		1851.5	20.32	20.19	20.14			
	8RB_0	1913.5	20.52	20.46	20.37			
		1882.5	20.48	20.38	20.33			
		1851.5	20.34	20.21	20.16			
	15RB_0	1913.5	20.52	20.38	20.36			
		1882.5	20.48	20.31	20.29			
		1851.5	20.32	20.17	20.17			

Ant.2 - Power Level A1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1912.5	20.62	20.54	20.42	21.5	21.5	21.5
		1882.5	20.55	20.64	20.40			
		1852.5	20.35	20.48	20.30			
	1RB_12	1912.5	20.59	20.65	20.46			
		1882.5	20.57	20.69	20.44			
		1852.5	20.41	20.52	20.36			
	1RB_0	1912.5	20.58	20.60	20.42			
		1882.5	20.57	20.66	20.48			
		1852.5	20.38	20.44	20.35			
	12RB_13	1912.5	20.48	20.27	20.27	21.5	21.5	21.5
		1882.5	20.47	20.27	20.28			
		1852.5	20.34	20.16	20.16			
	12RB_6	1912.5	20.55	20.35	20.39			
		1882.5	20.50	20.30	20.35			
		1852.5	20.38	20.18	20.18			
	12RB_0	1912.5	20.59	20.42	20.39			
		1882.5	20.55	20.35	20.36			
		1852.5	20.39	20.19	20.22			
	25RB_0	1912.5	20.55	20.38	20.37			
		1882.5	20.54	20.30	20.34			
		1852.5	20.36	20.17	20.17			

Ant.2 - Power Level A1								
LTE Band 25			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1910.0	20.56	20.63	20.52	**21.5**	**21.5**	**21.5**
		1882.5	20.54	20.60	20.54			
		1855.0	20.38	20.50	20.33			
	1RB_24	1910.0	20.54	20.66	20.52			
		1882.5	20.57	20.61	20.57			
		1855.0	20.38	20.51	20.30			
	1RB_0	1910.0	20.54	20.64	20.54			
		1882.5	20.50	20.58	20.48			
		1855.0	20.42	20.48	20.24			
	25RB_25	1910.0	20.50	20.37	20.29	**21.5**	**21.5**	**21.5**
		1882.5	20.48	20.28	20.27			
		1855.0	20.36	20.18	20.21			
	25RB_12	1910.0	20.58	20.39	20.34			
		1882.5	20.52	20.36	20.34			
		1855.0	20.44	20.22	20.24			
	25RB_0	1910.0	20.70	20.51	20.47			
		1882.5	20.52	20.32	20.34			
		1855.0	20.44	20.25	20.25			
	50RB_0	1910.0	20.64	20.46	20.41			
		1882.5	20.46	20.33	20.29			
		1855.0	20.43	20.25	20.21			

Ant.5 - Power Level A1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1907.5	20.50	20.52	20.40	21.5	21.5	21.5
		1882.5	20.44	20.64	20.36			
		1857.5	20.34	20.56	20.31			
	1RB_37	1907.5	20.49	20.56	20.40			
		1882.5	20.53	20.69	20.38			
		1857.5	20.35	20.60	20.34			
	1RB_0	1907.5	20.45	20.53	20.40			
		1882.5	20.51	20.68	20.41			
		1857.5	20.32	20.56	20.30			
	36RB_38	1907.5	20.45	20.27	20.29	21.5	21.5	21.5
		1882.5	20.41	20.24	20.22			
		1857.5	20.38	20.16	20.21			
	36RB_19	1907.5	20.49	20.31	20.29			
		1882.5	20.48	20.32	20.29			
		1857.5	20.37	20.19	20.21			
	36RB_0	1907.5	20.46	20.27	20.23			
		1882.5	20.45	20.27	20.26			
		1857.5	20.38	20.22	20.24			
	75RB_0	1907.5	20.47	20.28	20.27			
		1882.5	20.50	20.30	20.26			
		1857.5	20.43	20.17	20.21			

Ant.2 - Power Level A1								
LTE Band 25			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1905.0	20.51	20.45	20.47	**21.5**	**21.5**	**21.5**
		1882.5	20.44	20.49	20.46			
		1860.0	20.37	20.43	20.31			
	1RB_50	1905.0	20.52	20.49	20.52			
		1882.5	**20.53**	20.61	20.51			
		1860.0	20.46	20.46	20.32			
	1RB_0	1905.0	20.45	20.50	20.45			
		1882.5	20.43	20.48	20.43			
		1860.0	20.31	20.35	20.21			
	50RB_50	1905.0	20.35	20.17	20.12	**21.5**	**21.5**	**21.5**
		1882.5	20.35	20.17	20.17			
		1860.0	20.45	20.22	20.21			
	50RB_25	1905.0	20.55	20.37	20.31			
		1882.5	**20.56**	20.34	20.32			
		1860.0	20.49	20.24	20.24			
	50RB_0	1905.0	20.37	20.14	20.10			
		1882.5	20.47	20.26	20.23			
		1860.0	20.48	20.27	20.25			
	100RB_0	1905.0	20.33	20.10	20.09			
		1882.5	20.43	20.22	20.18			
		1860.0	20.45	20.24	20.21			

Ant.2 - Power Level B1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1914.3	21.07	21.15	21.20	22.5	22.5	22.5
		1882.5	21.09	21.25	21.26			
		1850.7	20.85	21.02	21.06			
	1RB_3	1914.3	21.10	21.15	21.21			
		1882.5	21.11	21.31	21.30			
		1850.7	20.89	21.05	21.13			
	1RB_0	1914.3	21.07	21.14	21.29			
		1882.5	21.09	21.26	21.27			
		1850.7	20.87	20.95	21.08			
	3RB_3	1914.3	21.14	20.94	21.22			
		1882.5	21.12	20.89	21.25			
		1850.7	20.94	20.79	21.06			
	3RB_1	1914.3	21.12	20.93	21.20			
		1882.5	21.13	20.95	21.33			
		1850.7	20.93	20.78	21.01			
	3RB_0	1914.3	21.15	20.96	21.25			
		1882.5	21.17	20.95	21.27			
		1850.7	20.96	20.79	21.05			
	6RB_0	1914.3	21.18	21.03	20.65	22.5	22.5	21.5
		1882.5	21.14	21.02	20.60			
		1850.7	20.95	20.82	20.38			

Ant.2 - Power Level B1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1913.5	21.11	21.07	21.28	22.5	22.5	22.5
		1882.5	21.10	21.06	21.35			
		1851.5	20.91	20.87	21.03			
	1RB_7	1913.5	21.14	21.14	21.35			
		1882.5	21.13	21.09	21.33			
		1851.5	20.90	20.90	20.99			
	1RB_0	1913.5	21.09	21.12	21.29			
		1882.5	21.10	21.09	21.31			
		1851.5	20.87	20.86	21.00			
	8RB_7	1913.5	21.13	21.02	20.69	22.5	22.5	21.5
		1882.5	21.07	20.98	20.63			
		1851.5	20.90	20.79	20.51			
	8RB_4	1913.5	21.14	21.04	20.69			
		1882.5	21.10	20.99	20.66			
		1851.5	20.90	20.78	20.49			
	8RB_0	1913.5	21.17	21.03	20.70			
		1882.5	21.15	21.02	20.72			
		1851.5	20.92	20.81	20.52			
	15RB_0	1913.5	21.14	20.96	20.64			
		1882.5	21.08	20.91	20.57			
		1851.5	20.91	20.71	20.41			

Ant.2 - Power Level B1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1912.5	21.14	21.18	21.24	22.5	22.5	22.5
		1882.5	21.15	21.26	21.31			
		1852.5	20.95	21.03	21.13			
	1RB_12	1912.5	21.17	21.21	21.32			
		1882.5	21.17	21.26	21.32			
		1852.5	21.04	21.06	21.18			
	1RB_0	1912.5	21.16	21.25	21.35			
		1882.5	21.19	21.21	21.35			
		1852.5	20.96	21.04	21.17			
	12RB_13	1912.5	21.08	20.86	20.63	22.5	22.5	21.5
		1882.5	21.12	20.86	20.59			
		1852.5	20.92	20.68	20.45			
	12RB_6	1912.5	21.17	20.99	20.73			
		1882.5	21.17	20.92	20.65			
		1852.5	20.93	20.69	20.47			
	12RB_0	1912.5	21.23	21.00	20.74			
		1882.5	21.16	20.97	20.68			
		1852.5	20.98	20.77	20.50			
	25RB_0	1912.5	21.15	20.95	20.64			
		1882.5	21.13	20.98	20.62			
		1852.5	20.94	20.76	20.42			

Ant.2 - Power Level B1								
LTE Band 25			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1910.0	21.11	21.11	21.20	**22.5**	**22.5**	**22.5**
		1882.5	21.14	21.18	21.15			
		1855.0	20.91	21.09	21.05			
	1RB_24	1910.0	21.16	21.20	21.27			
		1882.5	21.15	21.27	21.18			
		1855.0	20.93	21.13	21.10			
	1RB_0	1910.0	21.16	21.16	21.24			
		1882.5	21.15	21.27	21.17			
		1855.0	20.91	21.08	21.09			
	25RB_25	1910.0	21.14	20.94	20.68	**22.5**	**22.5**	**21.5**
		1882.5	21.11	20.90	20.60			
		1855.0	20.97	20.74	20.46			
	25RB_12	1910.0	21.22	21.03	20.72			
		1882.5	21.17	21.02	20.70			
		1855.0	20.96	20.78	20.49			
	25RB_0	1910.0	21.33	21.13	20.84			
		1882.5	21.19	21.02	20.69			
		1855.0	21.02	20.81	20.50			
	50RB_0	1910.0	21.23	21.09	20.79			
		1882.5	21.13	20.93	20.66			
		1855.0	21.01	20.83	20.51			

Ant.2 - Power Level B1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1907.5	21.14	21.15	21.26	22.5	22.5	22.5
		1882.5	21.09	21.17	21.22			
		1857.5	20.94	21.05	20.99			
	1RB_37	1907.5	21.15	21.22	21.26			
		1882.5	21.15	21.18	21.28			
		1857.5	20.98	21.10	21.06			
	1RB_0	1907.5	21.16	21.15	21.28			
		1882.5	21.06	21.08	21.19			
		1857.5	20.90	21.02	21.00			
	36RB_38	1907.5	21.04	20.89	20.63	22.5	22.5	21.5
		1882.5	21.02	20.83	20.56			
		1857.5	20.97	20.78	20.46			
	36RB_19	1907.5	21.14	20.96	20.69			
		1882.5	21.16	20.95	20.67			
		1857.5	20.97	20.77	20.47			
	36RB_0	1907.5	21.12	20.88	20.60			
		1882.5	21.13	20.89	20.68			
		1857.5	20.94	20.78	20.49			
	75RB_0	1907.5	21.09	20.92	20.58			
		1882.5	21.11	20.86	20.61			
		1857.5	21.01	20.78	20.46			

Ant.2 - Power Level B1								
LTE Band 25			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1905.0	21.10	21.16	21.17	22.5	22.5	22.5
		1882.5	21.06	21.16	21.22			
		1860.0	20.95	21.06	21.09			
	1RB_50	1905.0	21.11	21.25	21.30			
		1882.5	**21.12**	21.22	21.27			
		1860.0	21.00	21.11	21.13			
	1RB_0	1905.0	21.06	21.22	21.23			
		1882.5	20.99	21.09	21.15			
		1860.0	20.89	21.06	21.04			
	50RB_50	1905.0	20.99	20.82	20.50	22.5	22.5	21.5
		1882.5	20.99	20.86	20.51			
		1860.0	21.04	20.86	20.55			
	50RB_25	1905.0	21.14	20.95	20.64			
		1882.5	**21.20**	21.01	20.66			
		1860.0	21.10	20.89	20.50			
	50RB_0	1905.0	21.00	20.79	20.47			
		1882.5	21.11	20.96	20.62			
		1860.0	21.09	20.87	20.59			
	100RB_0	1905.0	20.99	20.74	20.49			
		1882.5	21.03	20.82	20.56			
		1860.0	21.06	20.82	20.51			

Ant.2 - Power Level C1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1914.3	22.62	22.76	21.80	23.5	23.5	22.5
		1882.5	22.65	22.86	21.72			
		1850.7	22.43	22.66	21.46			
	1RB_3	1914.3	22.66	22.78	21.75			
		1882.5	22.65	22.91	21.75			
		1850.7	22.45	22.74	21.49			
	1RB_0	1914.3	22.64	22.80	21.74			
		1882.5	22.64	22.86	21.62			
		1850.7	22.43	22.69	21.49			
	3RB_3	1914.3	22.67	22.74	21.71			
		1882.5	22.66	22.66	21.76			
		1850.7	22.48	22.47	21.50			
	3RB_1	1914.3	22.67	22.71	21.68			
		1882.5	22.67	22.69	21.72			
		1850.7	22.49	22.50	21.48			
	3RB_0	1914.3	22.72	22.74	21.74			
		1882.5	22.68	22.71	21.78			
		1850.7	22.49	22.47	21.50			
	6RB_0	1914.3	22.69	21.73	20.58	23.5	22.5	21.5
		1882.5	22.67	21.72	20.60			
		1850.7	22.46	21.54	20.40			

Ant.2 - Power Level C1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1913.5	22.65	22.73	21.78	23.5	23.5	22.5
		1882.5	22.61	22.79	21.82			
		1851.5	22.41	22.62	21.70			
	1RB_7	1913.5	22.62	22.75	21.82			
		1882.5	22.65	22.80	21.83			
		1851.5	22.42	22.63	21.68			
	1RB_0	1913.5	22.60	22.78	21.75			
		1882.5	22.64	22.77	21.84			
		1851.5	22.38	22.59	21.67			
	8RB_7	1913.5	22.63	21.68	20.70	23.5	22.5	21.5
		1882.5	22.61	21.65	20.62			
		1851.5	22.44	21.45	20.41			
	8RB_4	1913.5	22.66	21.71	20.70			
		1882.5	22.60	21.67	20.65			
		1851.5	22.43	21.46	20.41			
	8RB_0	1913.5	22.66	21.72	20.70			
		1882.5	22.66	21.71	20.71			
		1851.5	22.46	21.50	20.43			
	15RB_0	1913.5	22.66	21.67	20.63			
		1882.5	22.61	21.64	20.61			
		1851.5	22.43	21.44	20.42			

Ant.2 - Power Level C1								
LTE Band 25			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1912.5	22.74	22.75	21.81	**23.5**	**23.5**	**22.5**
		1882.5	22.72	22.88	21.77			
		1852.5	22.49	22.73	21.48			
	1RB_12	1912.5	22.74	22.84	21.88			
		1882.5	22.77	22.92	21.83			
		1852.5	22.52	22.73	21.57			
	1RB_0	1912.5	22.72	22.87	21.84			
		1882.5	22.73	22.84	21.80			
		1852.5	22.52	22.71	21.56			
	12RB_13	1912.5	22.61	21.63	20.63	**23.5**	**22.5**	**21.5**
		1882.5	22.63	21.60	20.61			
		1852.5	22.45	21.44	20.45			
	12RB_6	1912.5	22.70	21.70	20.71			
		1882.5	22.67	21.65	20.68			
		1852.5	22.46	21.49	20.46			
	12RB_0	1912.5	22.75	21.72	20.77			
		1882.5	22.70	21.68	20.70			
		1852.5	22.50	21.50	20.48			
	25RB_0	1912.5	22.69	21.70	20.65			
		1882.5	22.68	21.67	20.66			
		1852.5	22.48	21.46	20.44			

Ant.2 - Power Level C1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1910.0	22.65	22.88	21.76	23.5	23.5	22.5
		1882.5	22.65	22.86	21.77			
		1855.0	22.47	22.76	21.61			
	1RB_24	1910.0	22.72	22.97	21.85			
		1882.5	22.69	22.91	21.87			
		1855.0	22.49	22.78	21.63			
	1RB_0	1910.0	22.70	22.92	21.78			
		1882.5	22.68	22.92	21.83			
		1855.0	22.47	22.75	21.61			
	25RB_25	1910.0	22.67	21.69	20.66	23.5	22.5	21.5
		1882.5	22.62	21.62	20.59			
		1855.0	22.48	21.54	20.45			
	25RB_12	1910.0	22.74	21.76	20.71			
		1882.5	22.70	21.68	20.69			
		1855.0	22.50	21.54	20.50			
	25RB_0	1910.0	22.86	21.90	20.83			
		1882.5	22.68	21.73	20.69			
		1855.0	22.55	21.56	20.51			
	50RB_0	1910.0	22.77	21.83	20.78			
		1882.5	22.66	21.68	20.67			
		1855.0	22.55	21.54	20.49			

Ant.2 - Power Level C1								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1907.5	22.67	22.82	21.69	23.5	23.5	22.5
		1882.5	22.66	22.92	21.79			
		1857.5	22.48	22.75	21.69			
	1RB_37	1907.5	22.69	22.85	21.75			
		1882.5	22.72	22.87	21.83			
		1857.5	22.55	22.79	21.73			
	1RB_0	1907.5	22.71	22.87	21.74			
		1882.5	22.63	22.80	21.75			
		1857.5	22.45	22.73	21.67			
	36RB_38	1907.5	22.60	21.62	20.61	23.5	22.5	21.5
		1882.5	22.56	21.59	20.55			
		1857.5	22.47	21.51	20.50			
	36RB_19	1907.5	22.67	21.69	20.67			
		1882.5	22.69	21.66	20.62			
		1857.5	22.46	21.48	20.47			
	36RB_0	1907.5	22.63	21.66	20.62			
		1882.5	22.69	21.69	20.61			
		1857.5	22.47	21.52	20.51			
	75RB_0	1907.5	22.62	21.66	20.59			
		1882.5	22.61	21.61	20.57			
		1857.5	22.52	21.54	20.47			

Ant.2 - Power Level C1								
LTE Band 25			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1905.0	22.70	22.66	21.60	**23.5**	**23.5**	**22.5**
		1882.5	22.58	22.80	21.54			
		1860.0	22.45	22.76	21.54			
	1RB_50	1905.0	22.70	22.74	21.69			
		1882.5	**22.71**	22.88	21.64			
		1860.0	22.48	22.81	21.59			
	1RB_0	1905.0	22.56	22.72	21.61			
		1882.5	22.53	22.77	21.49			
		1860.0	22.41	22.70	21.48			
	50RB_50	1905.0	22.54	21.53	20.50	**23.5**	**22.5**	**21.5**
		1882.5	22.51	21.52	20.53			
		1860.0	22.55	21.53	20.53			
	50RB_25	1905.0	22.64	21.66	20.66			
		1882.5	**22.71**	21.72	20.71			
		1860.0	22.64	21.56	20.50			
	50RB_0	1905.0	22.53	21.51	20.47			
		1882.5	22.64	21.66	20.61			
		1860.0	22.63	21.59	20.60			
	100RB_0	1905.0	22.51	21.45	20.49			
		1882.5	22.55	21.55	20.54			
		1860.0	22.59	21.58	20.56			

Ant.1 - Power Level A2/C2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1914.3	18.91	18.99	19.14	19.5	19.5	19.5
		1882.5	18.92	19.04	18.97			
		1850.7	18.80	18.91	18.89			
	1RB_3	1914.3	18.99	19.04	19.01			
		1882.5	18.93	19.07	18.99			
		1850.7	18.81	18.93	18.88			
	1RB_0	1914.3	18.94	19.00	19.09			
		1882.5	18.99	19.01	19.03			
		1850.7	18.79	18.90	19.13			
	3RB_3	1914.3	18.96	18.81	19.17			
		1882.5	18.96	18.79	19.22			
		1850.7	18.84	18.60	18.95			
	3RB_1	1914.3	19.01	18.84	19.16			
		1882.5	19.01	18.77	19.17			
		1850.7	18.80	18.57	18.96			
	3RB_0	1914.3	18.97	18.80	19.18			
		1882.5	18.97	18.78	19.24			
		1850.7	18.75	18.63	19.00			
	6RB_0	1914.3	18.94	18.89	19.19	19.5	19.5	19.5
		1882.5	19.00	18.85	19.17			
		1850.7	18.77	18.70	18.98			

Ant.1 - Power Level A2/C2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1913.5	18.95	18.88	19.10	19.5	19.5	19.5
		1882.5	18.95	18.95	19.12			
		1851.5	18.80	18.87	18.97			
	1RB_7	1913.5	18.96	18.89	19.14			
		1882.5	19.03	18.97	19.16			
		1851.5	18.74	18.86	18.95			
	1RB_0	1913.5	18.96	18.96	19.08			
		1882.5	18.94	18.97	19.08			
		1851.5	18.77	18.85	19.26			
	8RB_7	1913.5	18.95	18.82	19.19	19.5	19.5	19.5
		1882.5	18.94	18.83	19.05			
		1851.5	18.81	18.64	18.93			
	8RB_4	1913.5	18.92	18.86	19.15			
		1882.5	18.97	18.80	19.07			
		1851.5	18.77	18.68	18.92			
	8RB_0	1913.5	19.00	18.93	19.13			
		1882.5	18.94	18.86	19.08			
		1851.5	18.80	18.69	18.95			
	15RB_0	1913.5	18.94	18.86	19.23			
		1882.5	18.97	18.75	19.16			
		1851.5	18.81	18.61	19.05			

Ant.1 - Power Level A2/C2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1912.5	19.09	19.04	19.07	19.5	19.5	19.5
		1882.5	19.03	19.13	19.01			
		1852.5	18.84	18.96	18.93			
	1RB_12	1912.5	19.05	19.08	19.09			
		1882.5	19.01	19.17	19.06			
		1852.5	18.90	18.96	19.03			
	1RB_0	1912.5	19.01	19.07	19.03			
		1882.5	19.05	19.12	19.13			
		1852.5	18.80	18.94	19.27			
	12RB_13	1912.5	18.95	18.72	19.06	19.5	19.5	19.5
		1882.5	18.94	18.69	19.07			
		1852.5	18.78	18.59	18.94			
	12RB_6	1912.5	19.05	18.84	19.15			
		1882.5	18.95	18.78	19.13			
		1852.5	18.83	18.62	18.97			
	12RB_0	1912.5	19.03	18.85	19.16			
		1882.5	19.02	18.83	19.12			
		1852.5	18.85	18.66	19.01			
	25RB_0	1912.5	19.00	18.84	19.29			
		1882.5	19.03	18.76	19.23			
		1852.5	18.84	18.66	19.04			

Ant.1 - Power Level A2/C2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1910.0	19.06	19.09	19.18	19.5	19.5	19.5
		1882.5	18.96	19.04	19.14			
		1855.0	18.87	18.95	18.96			
	1RB_24	1910.0	19.03	19.12	19.17			
		1882.5	19.04	19.07	19.21			
		1855.0	18.88	18.94	18.93			
	1RB_0	1910.0	19.03	19.06	19.14			
		1882.5	18.92	19.07	19.10			
		1855.0	18.88	18.96	19.13			
	25RB_25	1910.0	18.98	18.85	19.10	19.5	19.5	19.5
		1882.5	18.90	18.77	19.06			
		1855.0	18.80	18.66	18.98			
	25RB_12	1910.0	19.08	18.84	19.08			
		1882.5	18.96	18.80	19.10			
		1855.0	18.89	18.71	19.05			
	25RB_0	1910.0	19.19	18.95	19.26			
		1882.5	18.96	18.75	19.15			
		1855.0	18.90	18.67	19.06			
	50RB_0	1910.0	19.10	18.94	19.35			
		1882.5	18.89	18.81	19.23			
		1855.0	18.88	18.71	19.10			

Ant.1 - Power Level A2/C2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1907.5	18.94	18.95	19.02	19.5	19.5	19.5
		1882.5	18.86	19.11	18.96			
		1857.5	18.78	18.99	18.96			
	1RB_37	1907.5	18.92	19.00	19.05			
		1882.5	18.97	19.14	19.03			
		1857.5	18.83	19.07	19.00			
	1RB_0	1907.5	18.93	18.95	19.03			
		1882.5	19.01	19.17	19.05			
		1857.5	18.76	19.04	19.21			
	36RB_38	1907.5	18.91	18.76	19.05	19.5	19.5	19.5
		1882.5	18.88	18.72	18.98			
		1857.5	18.86	18.66	18.97			
	36RB_19	1907.5	18.98	18.76	19.06			
		1882.5	18.93	18.79	19.11			
		1857.5	18.82	18.66	18.97			
	36RB_0	1907.5	18.95	18.76	18.99			
		1882.5	18.88	18.71	19.02			
		1857.5	18.83	18.68	19.03			
	75RB_0	1907.5	18.89	18.76	19.16			
		1882.5	18.93	18.79	19.15			
		1857.5	18.91	18.62	19.15			

Ant.1 - Power Level A2/C2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1905.0	18.95	18.90	19.07	19.5	19.5	19.5
		1882.5	18.88	18.95	19.12			
		1860.0	18.85	18.90	18.97			
	1RB_50	1905.0	18.98	18.95	19.20			
		1882.5	18.97	19.04	19.18			
		1860.0	**19.03**	18.92	18.95			
	1RB_0	1905.0	18.90	18.98	19.11			
		1882.5	18.90	18.97	19.04			
		1860.0	18.80	18.83	19.12			
	50RB_50	1905.0	18.84	18.65	18.87	19.5	19.5	19.5
		1882.5	18.82	18.60	18.92			
		1860.0	18.88	18.70	18.96			
	50RB_25	1905.0	18.93	18.81	19.06			
		1882.5	18.96	18.81	19.10			
		1860.0	**18.99**	18.69	19.02			
	50RB_0	1905.0	18.82	18.59	18.86			
		1882.5	18.89	18.68	19.04			
		1860.0	18.95	18.74	19.05			
	100RB_0	1905.0	18.78	18.57	19.01			
		1882.5	18.93	18.67	19.07			
		1860.0	18.89	18.67	19.12			

Ant.1 - Power Level B2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1914.3	15.01	15.06	15.14	15.5	15.5	15.5
		1882.5	14.98	15.10	15.09			
		1850.7	14.76	15.03	14.86			
	1RB_3	1914.3	14.99	15.04	15.10			
		1882.5	15.06	15.13	15.11			
		1850.7	14.81	14.93	14.93			
	1RB_0	1914.3	15.01	15.08	15.19			
		1882.5	15.03	15.08	15.12			
		1850.7	14.89	14.95	15.18			
	3RB_3	1914.3	14.99	14.86	15.21			
		1882.5	15.06	14.79	15.30			
		1850.7	14.92	14.70	15.01			
	3RB_1	1914.3	15.09	14.90	15.21			
		1882.5	15.07	14.86	15.26			
		1850.7	14.91	14.62	15.02			
	3RB_0	1914.3	15.03	14.83	15.27			
		1882.5	15.03	14.82	15.23			
		1850.7	14.79	14.62	15.04			
	6RB_0	1914.3	15.08	14.92	15.16	15.5	15.5	15.5
		1882.5	15.10	14.90	15.19			
		1850.7	14.82	14.74	15.02			

Ant.1 - Power Level B2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1913.5	14.99	14.94	15.19	15.5	15.5	15.5
		1882.5	15.01	15.02	15.12			
		1851.5	14.83	14.84	14.96			
	1RB_7	1913.5	15.03	15.00	15.22			
		1882.5	15.06	15.03	15.21			
		1851.5	14.80	14.87	14.98			
	1RB_0	1913.5	15.04	15.00	15.18			
		1882.5	15.08	14.97	15.09			
		1851.5	14.88	15.00	15.32			
	8RB_7	1913.5	14.92	14.94	15.18	15.5	15.5	15.5
		1882.5	14.95	14.93	15.19			
		1851.5	14.84	14.75	15.02			
	8RB_4	1913.5	15.01	14.87	15.23			
		1882.5	14.98	14.83	15.12			
		1851.5	14.87	14.69	14.94			
	8RB_0	1913.5	15.05	15.05	15.17			
		1882.5	15.02	14.90	15.16			
		1851.5	14.90	14.76	14.95			
	15RB_0	1913.5	15.07	14.85	15.31			
		1882.5	14.97	14.87	15.27			
		1851.5	14.90	14.67	15.16			

Ant.1 - Power Level B2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1912.5	15.11	15.06	15.15	15.5	15.5	15.5
		1882.5	15.10	15.19	15.11			
		1852.5	14.85	14.96	14.96			
	1RB_12	1912.5	15.08	15.16	15.17			
		1882.5	15.03	15.21	15.15			
		1852.5	14.99	15.05	15.06			
	1RB_0	1912.5	15.04	15.09	15.06			
		1882.5	15.10	15.18	15.20			
		1852.5	14.85	14.99	15.31			
	12RB_13	1912.5	15.05	14.75	15.11	15.5	15.5	15.5
		1882.5	14.98	14.75	15.12			
		1852.5	14.87	14.66	15.00			
	12RB_6	1912.5	15.05	14.90	15.22			
		1882.5	15.02	14.82	15.25			
		1852.5	14.91	14.69	15.06			
	12RB_0	1912.5	15.12	14.96	15.21			
		1882.5	15.04	14.80	15.22			
		1852.5	14.86	14.72	15.06			
	25RB_0	1912.5	15.10	14.88	15.31			
		1882.5	15.04	14.86	15.28			
		1852.5	14.90	14.67	15.10			

Ant.1 - Power Level B2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1910.0	15.10	15.14	15.30	15.5	15.5	15.5
		1882.5	15.05	15.17	15.24			
		1855.0	14.92	15.07	15.02			
	1RB_24	1910.0	15.10	15.20	15.21			
		1882.5	15.16	15.15	15.27			
		1855.0	14.88	15.00	14.97			
	1RB_0	1910.0	15.11	15.13	15.27			
		1882.5	15.02	15.09	15.22			
		1855.0	14.89	14.97	15.17			
	25RB_25	1910.0	15.00	14.87	15.12	15.5	15.5	15.5
		1882.5	14.97	14.82	15.12			
		1855.0	14.91	14.73	15.08			
	25RB_12	1910.0	15.10	14.96	15.21			
		1882.5	15.04	14.85	15.21			
		1855.0	14.91	14.70	15.04			
	25RB_0	1910.0	15.19	15.05	15.28			
		1882.5	15.05	14.86	15.17			
		1855.0	14.99	14.81	15.13			
	50RB_0	1910.0	15.20	14.96	15.42			
		1882.5	14.95	14.84	15.23			
		1855.0	14.93	14.76	15.14			

Ant.1 - Power Level B2								
LTE Band 25			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1907.5	15.01	15.08	15.08	15.5	15.5	15.5
		1882.5	14.91	15.12	15.10			
		1857.5	14.90	15.10	14.96			
	1RB_37	1907.5	15.04	15.06	15.06			
		1882.5	15.03	15.14	15.12			
		1857.5	14.86	15.17	15.08			
	1RB_0	1907.5	14.95	15.03	15.11			
		1882.5	15.03	15.17	15.08			
		1857.5	14.84	15.13	15.23			
	36RB_38	1907.5	14.93	14.76	15.14	15.5	15.5	15.5
		1882.5	14.98	14.73	15.05			
		1857.5	14.94	14.66	15.05			
	36RB_19	1907.5	14.99	14.80	15.17			
		1882.5	15.03	14.82	15.06			
		1857.5	14.83	14.72	14.98			
	36RB_0	1907.5	15.00	14.77	15.08			
		1882.5	14.96	14.82	15.06			
		1857.5	14.97	14.76	15.14			
	75RB_0	1907.5	14.99	14.79	15.29			
		1882.5	15.03	14.78	15.22			
		1857.5	15.00	14.72	15.18			

Ant.1 - Power Level B2								
LTE Band 25			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1905.0	15.04	14.98	15.19	**15.5**	**15.5**	**15.5**
		1882.5	14.96	14.97	15.13			
		1860.0	14.88	15.00	14.96			
	1RB_50	1905.0	15.01	14.98	15.23			
		1882.5	15.04	15.13	15.25			
		1860.0	**15.12**	14.97	15.02			
	1RB_0	1905.0	14.96	14.97	15.17			
		1882.5	14.97	14.97	15.19			
		1860.0	14.84	14.83	15.18			
	50RB_50	1905.0	14.87	14.71	14.96	**15.5**	**15.5**	**15.5**
		1882.5	14.90	14.61	15.03			
		1860.0	15.04	14.77	15.04			
	50RB_25	1905.0	15.06	14.86	15.21			
		1882.5	15.04	14.90	15.17			
		1860.0	**15.11**	14.79	15.04			
	50RB_0	1905.0	14.90	14.63	14.97			
		1882.5	15.01	14.82	15.07			
		1860.0	15.03	14.74	15.06			
	100RB_0	1905.0	14.80	14.57	15.06			
		1882.5	14.95	14.74	15.08			
		1860.0	14.93	14.76	15.20			

Power Level A1/B1/B2/C1/C2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	848.3	22.97	22.10	21.97	24.5	23.5	22.5
		831.5	23.10	22.28	21.21			
		814.7	23.17	22.32	21.34			
	1RB_3	848.3	22.99	22.13	20.94			
		831.5	23.10	22.29	21.26			
		814.7	23.17	22.32	21.35			
	1RB_0	848.3	22.99	22.14	21.97			
		831.5	23.10	22.28	21.26			
		814.7	23.13	22.28	21.32			
	3RB_3	848.3	23.01	22.04	21.07			
		831.5	23.10	22.09	21.16			
		814.7	23.18	22.20	21.21			
	3RB_1	848.3	23.03	22.07	21.15			
		831.5	23.13	22.13	21.18			
		814.7	23.15	22.18	21.17			
	3RB_0	848.3	23.01	22.07	21.09			
		831.5	23.12	22.12	21.18			
		814.7	23.13	22.18	21.15			
	6RB_0	848.3	22.04	21.07	19.93	23.5	22.5	21.5
		831.5	22.14	21.15	19.99			
		814.7	22.16	21.18	20.09			

Power Level A1/B1/B2/C1/C2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5	22.98	22.09	21.02	24.5	23.5	22.5
		831.5	23.05	22.21	21.22			
		815.5	23.05	22.25	21.22			
	1RB_7	847.5	23.00	22.14	21.10			
		831.5	23.09	22.22	21.26			
		815.5	23.09	22.30	21.22			
	1RB_0	847.5	22.97	22.14	21.09			
		831.5	23.08	22.27	21.19			
		815.5	23.08	22.31	21.23			
	8RB_7	847.5	21.94	21.02	20.05	23.5	22.5	21.5
		831.5	22.04	21.10	20.12			
		815.5	22.02	21.12	20.12			
	8RB_4	847.5	21.96	21.02	20.01			
		831.5	22.02	21.08	20.06			
		815.5	22.02	21.10	20.06			
	8RB_0	847.5	21.95	21.01	20.00			
		831.5	22.09	21.13	20.13			
		815.5	22.06	21.13	20.12			
	15RB_0	847.5	21.97	20.98	19.94			
		831.5	22.06	21.09	20.05			
		815.5	22.05	21.08	20.07			

Power Level A1/B1/B2/C1/C2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5	23.00	22.11	20.93	24.5	23.5	22.5
		831.5	23.08	22.26	21.18			
		816.5	23.22	22.34	21.20			
	1RB_12	846.5	23.04	22.16	21.01			
		831.5	23.11	22.26	21.10			
		816.5	23.23	22.34	21.26			
	1RB_0	846.5	23.00	22.14	20.87			
		831.5	23.13	22.34	21.12			
		816.5	23.17	22.30	21.15			
	12RB_13	846.5	22.01	20.96	20.02	23.5	22.5	21.5
		831.5	22.11	21.09	20.11			
		816.5	22.18	21.13	20.16			
	12RB_6	846.5	22.00	20.96	19.99			
		831.5	22.10	21.05	20.09			
		816.5	22.13	21.10	20.11			
	12RB_0	846.5	22.07	21.03	20.05			
		831.5	22.14	21.07	20.12			
		816.5	22.09	21.04	20.10			
	25RB_0	846.5	22.04	21.06	20.07			
		831.5	22.15	21.13	20.16			
		816.5	22.15	21.15	20.16			

Power Level A1/B1/B2/C1/C2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0	23.01	22.13	21.11	24.5	23.5	22.5
		831.5	23.13	22.26	21.22			
		820.0	23.09	22.30	21.30			
	1RB_24	844.0	23.00	22.17	21.11			
		831.5	23.16	22.27	21.26			
		820.0	23.09	22.26	21.24			
	1RB_0	844.0	23.01	22.13	21.13			
		831.5	23.09	22.27	21.22			
		820.0	23.10	22.30	21.28			
	25RB_25	844.0	21.97	21.00	20.00	23.5	22.5	21.5
		831.5	22.20	21.22	20.18			
		820.0	22.06	21.10	20.07			
	25RB_12	844.0	22.00	21.01	20.02			
		831.5	22.07	21.08	20.10			
		820.0	22.05	21.09	20.07			
	25RB_0	844.0	22.14	21.16	20.19			
		831.5	22.13	21.15	20.16			
		820.0	21.94	20.97	20.01			
	50RB_0	844.0	22.04	21.06	20.05			
		831.5	22.20	21.17	20.19			
		820.0	22.00	20.99	20.02			

Power Level A2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	841.5	22.98	22.16	21.10	24.5	23.5	22.5
		831.5	23.08	22.24	21.12			
		822.5	23.15	22.32	21.18			
	1RB_37	841.5	23.00	22.17	21.09			
		831.5	23.10	22.29	21.16			
		822.5	**23.17**	22.23	21.07			
	1RB_0	841.5	22.96	22.15	21.00			
		831.5	23.06	22.24	21.11			
		822.5	23.07	22.20	21.07			
	36RB_38	841.5	21.91	20.93	19.94	23.5	22.5	21.5
		831.5	22.15	21.20	20.23			
		822.5	22.04	21.05	20.05			
	36RB_19	841.5	21.97	20.96	20.01			
		831.5	22.16	21.06	20.11			
		822.5	**22.17**	21.05	20.10			
	36RB_0	841.5	21.94	20.93	19.99			
		831.5	22.09	21.13	20.12			
		822.5	21.99	21.01	20.03			
	75RB_0	841.5	21.97	20.96	19.97			
		831.5	22.18	21.13	20.18			
		822.5	22.03	21.00	20.03			

Power Level A2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	848.3	19.84	20.10	20.03	21.5	21.5	21.5
		831.5	19.97	20.25	20.14			
		814.7	20.03	20.23	20.01			
	1RB_3	848.3	19.85	20.13	20.03			
		831.5	19.99	20.24	20.15			
		814.7	20.08	20.25	19.99			
	1RB_0	848.3	19.86	20.09	20.08			
		831.5	19.98	20.28	20.11			
		814.7	19.98	20.22	19.97			
	3RB_3	848.3	19.91	19.94	19.98			
		831.5	19.99	19.97	20.07			
		814.7	20.07	20.02	20.14			
	3RB_1	848.3	19.93	19.96	20.00			
		831.5	20.03	20.04	20.08			
		814.7	19.99	20.02	20.10			
	3RB_0	848.3	19.91	19.96	19.98			
		831.5	20.00	20.00	20.06			
		814.7	19.91	20.03	20.11			
	6RB_0	848.3	19.93	19.99	19.88	21.5	21.5	21.5
		831.5	20.00	20.07	19.96			
		814.7	19.98	20.06	19.97			

Power Level A2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	847.5	19.85	20.11	19.93	21.5	21.5	21.5
		831.5	19.91	20.25	20.14			
		815.5	19.99	20.15	20.21			
	1RB_7	847.5	19.85	20.17	19.96			
		831.5	19.96	20.17	20.18			
		815.5	20.01	20.17	20.17			
	1RB_0	847.5	19.85	20.17	19.99			
		831.5	19.96	20.32	20.12			
		815.5	20.03	20.16	20.19			
	8RB_7	847.5	19.85	20.00	20.01	21.5	21.5	21.5
		831.5	19.96	20.05	20.06			
		815.5	19.93	20.09	20.08			
	8RB_4	847.5	19.87	20.01	19.98			
		831.5	19.93	20.01	20.04			
		815.5	19.99	20.06	20.07			
	8RB_0	847.5	19.83	19.97	20.00			
		831.5	19.97	20.05	20.10			
		815.5	20.01	20.09	20.06			
	15RB_0	847.5	19.85	19.94	19.94			
		831.5	19.95	20.04	19.99			
		815.5	19.94	20.02	20.00			

Power Level A2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	846.5	19.90	20.04	20.07	21.5	21.5	21.5
		831.5	19.94	20.14	20.10			
		816.5	20.02	20.31	20.09			
	1RB_12	846.5	19.93	20.13	20.11			
		831.5	20.01	20.20	20.07			
		816.5	20.05	20.30	20.13			
	1RB_0	846.5	19.85	20.05	20.05			
		831.5	19.98	20.22	20.06			
		816.5	19.96	20.23	20.03			
	12RB_13	846.5	19.91	19.91	19.95	21.5	21.5	21.5
		831.5	20.03	19.99	20.03			
		816.5	20.02	20.05	20.08			
	12RB_6	846.5	19.89	19.88	19.90			
		831.5	20.01	20.00	20.02			
		816.5	19.94	20.01	20.05			
	12RB_0	846.5	19.96	19.93	19.96			
		831.5	20.05	20.05	20.06			
		816.5	19.96	19.98	19.98			
	25RB_0	846.5	19.93	19.96	19.94			
		831.5	20.05	20.05	20.07			
		816.5	20.07	20.04	20.05			

Power Level A2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	844.0	19.95	20.16	20.05	21.5	21.5	21.5
		831.5	20.02	20.24	20.18			
		820.0	20.00	20.22	20.16			
	1RB_24	844.0	19.94	20.24	20.10			
		831.5	20.02	20.27	20.20			
		820.0	20.03	20.25	20.23			
	1RB_0	844.0	19.97	20.22	20.10			
		831.5	20.01	20.21	20.20			
		820.0	20.01	20.23	20.16			
	25RB_25	844.0	19.85	19.83	19.85	21.5	21.5	21.5
		831.5	20.12	20.10	20.09			
		820.0	19.98	20.02	19.97			
	25RB_12	844.0	19.92	19.92	19.87			
		831.5	19.88	19.99	19.99			
		820.0	19.99	20.05	20.03			
	25RB_0	844.0	20.03	20.07	20.05			
		831.5	20.00	20.06	20.04			
		820.0	19.84	19.86	19.87			
	50RB_0	844.0	19.93	19.97	19.98			
		831.5	20.11	20.08	20.10			
		820.0	19.88	19.90	19.87			

Power Level A2								
LTE Band 26			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	841.5	19.88	20.13	19.96	21.5	21.5	21.5
		831.5	19.93	20.18	19.91			
		822.5	20.05	20.29	20.09			
	1RB_37	841.5	19.88	20.20	19.99			
		831.5	19.96	20.23	20.03			
		822.5	**20.07**	20.24	20.05			
	1RB_0	841.5	19.85	20.13	19.91			
		831.5	19.89	20.18	19.90			
		822.5	19.86	20.12	20.00			
	36RB_38	841.5	19.79	19.83	19.86	21.5	21.5	21.5
		831.5	20.04	20.09	20.11			
		822.5	19.89	19.94	19.98			
	36RB_19	841.5	19.88	19.92	19.93			
		831.5	20.02	19.99	20.03			
		822.5	**20.05**	19.98	20.01			
	36RB_0	841.5	19.85	19.90	19.94			
		831.5	19.98	20.00	20.05			
		822.5	19.83	19.86	19.91			
	75RB_0	841.5	19.85	19.84	19.85			
		831.5	20.06	20.09	20.10			
		822.5	19.91	19.94	19.93			

Power Level A1/C1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2687.5	18.69	18.74	18.64	20.5	20.5	20.5
		2640.3	18.65	18.72	18.62			
		2593.0	18.70	18.78	18.70			
		2545.8	18.61	18.66	18.59			
		2498.5	18.66	18.74	18.60			
	1RB_12	2687.5	18.72	18.80	18.69			
		2640.3	18.72	18.75	18.70			
		2593.0	18.76	18.76	18.69			
		2545.8	18.71	18.71	18.63			
		2498.5	18.77	18.78	18.67			
	1RB_0	2687.5	18.68	18.69	18.68			
		2640.3	18.68	18.70	18.65			
		2593.0	18.69	18.74	18.68			
		2545.8	18.66	18.66	18.60			
		2498.5	18.71	18.70	18.63			
	12RB_13	2687.5	18.69	18.65	18.87	20.5	20.5	20.5
		2640.3	18.65	18.63	18.82			
		2593.0	18.67	18.61	18.88			
		2545.8	18.67	18.64	18.82			
		2498.5	18.67	18.66	18.87			
	12RB_6	2687.5	18.68	18.69	18.87			
		2640.3	18.71	18.65	18.88			
		2593.0	18.67	18.65	18.85			
		2545.8	18.64	18.64	18.81			
		2498.5	18.70	18.67	18.86			
	12RB_0	2687.5	18.72	18.70	18.89			
		2640.3	18.71	18.72	18.85			
		2593.0	18.67	18.69	18.84			
		2545.8	18.67	18.61	18.81			
		2498.5	18.71	18.66	18.87			
	25RB_0	2687.5	18.66	18.77	18.92			
		2640.3	18.65	18.73	18.88			
		2593.0	18.70	18.73	18.87			
		2545.8	18.66	18.73	18.89			
		2498.5	18.75	18.76	18.92			

Power Level A1/C1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2685.0	18.71	18.76	18.62	20.5	20.5	20.5
		2639.0	18.68	18.72	18.62			
		2593.0	18.75	18.78	18.67			
		2547.0	18.63	18.69	18.56			
		2501.0	18.68	18.72	18.61			
	1RB_24	2685.0	18.69	18.74	18.65			
		2639.0	18.74	18.79	18.72			
		2593.0	18.75	18.79	18.68			
		2547.0	18.67	18.72	18.61			
		2501.0	18.71	18.73	18.63			
	1RB_0	2685.0	18.70	18.75	18.64			
		2639.0	18.72	18.73	18.63			
		2593.0	18.71	18.73	18.63			
		2547.0	18.69	18.70	18.60			
		2501.0	18.68	18.71	18.60			
	25RB_25	2685.0	18.66	18.73	18.94	20.5	20.5	20.5
		2639.0	18.67	18.74	18.86			
		2593.0	18.70	18.74	18.92			
		2547.0	18.66	18.70	18.89			
		2501.0	18.69	18.72	18.94			
	25RB_12	2685.0	18.68	18.73	18.92			
		2639.0	18.72	18.75	18.92			
		2593.0	18.72	18.78	18.94			
		2547.0	18.70	18.70	18.88			
		2501.0	18.68	18.73	18.93			
	25RB_0	2685.0	18.72	18.75	18.91			
		2639.0	18.71	18.79	18.95			
		2593.0	18.71	18.77	18.92			
		2547.0	18.68	18.73	18.88			
		2501.0	18.72	18.73	18.88			
	50RB_0	2685.0	18.70	18.77	18.90			
		2639.0	18.73	18.77	18.89			
		2593.0	18.75	18.73	18.89			
		2547.0	18.73	18.71	18.88			
		2501.0	18.74	18.76	18.87			

Power Level A1/C1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2682.5	18.62	18.67	18.60	20.5	20.5	20.5
		2637.8	18.62	18.70	18.58			
		2593.0	18.71	18.77	18.67			
		2548.3	18.57	18.64	18.53			
		2503.5	18.62	18.69	18.58			
	1RB_37	2682.5	18.66	18.74	18.66			
		2637.8	18.68	18.72	18.63			
		2593.0	18.72	18.77	18.67			
		2548.3	18.62	18.72	18.61			
		2503.5	18.69	18.77	18.64			
	1RB_0	2682.5	18.62	18.65	18.59			
		2637.8	18.63	18.69	18.60			
		2593.0	18.63	18.68	18.59			
		2548.3	18.63	18.68	18.59			
		2503.5	18.62	18.70	18.59			
	36RB_38	2682.5	18.65	18.68	18.80	20.5	20.5	20.5
		2637.8	18.66	18.60	18.82			
		2593.0	18.71	18.67	18.82			
		2548.3	18.65	18.62	18.78			
		2503.5	18.70	18.67	18.89			
	36RB_19	2682.5	18.68	18.64	18.78			
		2637.8	18.64	18.64	18.84			
		2593.0	18.69	18.64	18.83			
		2548.3	18.67	18.65	18.76			
		2503.5	18.64	18.66	18.80			
	36RB_0	2682.5	18.69	18.64	18.85			
		2637.8	18.70	18.68	18.87			
		2593.0	18.64	18.64	18.82			
		2548.3	18.67	18.59	18.77			
		2503.5	18.67	18.65	18.82			
	75RB_0	2682.5	18.70	18.67	18.85			
		2637.8	18.72	18.71	18.84			
		2593.0	18.73	18.68	18.87			
		2548.3	18.69	18.66	18.84			
		2503.5	18.71	18.74	18.83			

Power Level A1/C1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2680.0	18.72	18.69	18.56	20.5	20.5	20.5
		2636.5	18.71	18.67	18.55			
		2593.0	18.68	18.71	18.57			
		2549.5	18.62	18.64	18.52			
		2506.0	18.60	18.68	18.58			
	1RB_50	2680.0	18.78	18.74	18.65			
		2636.5	**18.83**	18.78	18.65			
		2593.0	18.80	18.80	18.68			
		2549.5	18.74	18.75	18.62			
		2506.0	18.76	18.78	18.66			
	1RB_0	2680.0	18.69	18.67	18.56			
		2636.5	18.71	18.69	18.57			
		2593.0	18.65	18.66	18.56			
		2549.5	18.65	18.67	18.56			
		2506.0	18.65	18.71	18.58			
	50RB_50	2680.0	18.76	18.73	18.84	20.5	20.5	20.5
		2636.5	18.75	18.75	18.86			
		2593.0	18.77	18.73	18.86			
		2549.5	18.76	18.69	18.83			
		2506.0	18.77	18.76	18.87			
	50RB_25	2680.0	18.81	18.74	18.85			
		2636.5	**18.84**	18.77	18.88			
		2593.0	18.78	18.78	18.90			
		2549.5	18.77	18.74	18.85			
		2506.0	18.81	18.78	18.94			
	50RB_0	2680.0	18.81	18.73	18.85			
		2636.5	18.83	18.81	18.89			
		2593.0	18.75	18.76	18.93			
		2549.5	18.73	18.72	18.87			
		2506.0	18.78	18.74	18.91			
	100RB_0	2680.0	18.76	18.68	18.84			
		2636.5	18.73	18.74	18.84			
		2593.0	18.72	18.76	18.85			
		2549.5	18.72	18.73	18.89			
		2506.0	18.74	18.76	18.86			

Power Level B1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	2687.5	18.15	18.21	18.15	20.0	20.0	20.0
		2640.3	18.18	18.23	18.12			
		2593.0	18.27	18.40	18.20			
		2545.8	18.21	18.29	18.14			
		2498.5	18.19	18.27	18.15			
	1RB_12	2687.5	18.25	18.27	18.15			
		2640.3	18.27	18.22	18.16			
		2593.0	18.27	18.27	18.22			
		2545.8	18.32	18.25	18.15			
		2498.5	18.28	18.26	18.21			
	1RB_0	2687.5	18.19	18.24	18.17			
		2640.3	18.20	18.23	18.13			
		2593.0	18.24	18.27	18.23			
		2545.8	18.23	18.23	18.14			
		2498.5	18.21	18.26	18.18			
	12RB_13	2687.5	18.13	18.11	18.30	20.0	20.0	20.0
		2640.3	18.14	18.12	18.32			
		2593.0	18.22	18.15	18.40			
		2545.8	18.21	18.15	18.37			
		2498.5	18.22	18.17	18.39			
	12RB_6	2687.5	18.14	18.12	18.31			
		2640.3	18.16	18.14	18.37			
		2593.0	18.19	18.17	18.35			
		2545.8	18.20	18.17	18.37			
		2498.5	18.23	18.14	18.38			
	12RB_0	2687.5	18.19	18.17	18.38			
		2640.3	18.18	18.16	18.34			
		2593.0	18.19	18.17	18.37			
		2545.8	18.20	18.17	18.37			
		2498.5	18.24	18.18	18.37			
	25RB_0	2687.5	18.16	18.20	18.35			
		2640.3	18.18	18.15	18.35			
		2593.0	18.21	18.26	18.43			
		2545.8	18.22	18.25	18.44			
		2498.5	18.24	18.27	18.42			

Power Level B1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	2685.0	18.18	18.23	18.12	20.0	20.0	20.0
		2639.0	18.17	18.22	18.15			
		2593.0	18.22	18.24	18.16			
		2547.0	18.22	18.25	18.12			
		2501.0	18.22	18.28	18.17			
	1RB_24	2685.0	18.19	18.24	18.14			
		2639.0	18.18	18.24	18.12			
		2593.0	18.27	18.29	18.22			
		2547.0	18.23	18.30	18.18			
		2501.0	18.21	18.27	18.17			
	1RB_0	2685.0	18.24	18.27	18.19			
		2639.0	18.23	18.22	18.16			
		2593.0	18.20	18.27	18.16			
		2547.0	18.19	18.22	18.15			
		2501.0	18.22	18.27	18.19			
	25RB_25	2685.0	18.11	18.16	18.33	20.0	20.0	20.0
		2639.0	18.16	18.16	18.38			
		2593.0	18.15	18.21	18.38			
		2547.0	18.19	18.25	18.44			
		2501.0	18.20	18.24	18.41			
	25RB_12	2685.0	18.17	18.21	18.41			
		2639.0	18.18	18.24	18.40			
		2593.0	18.23	18.28	18.41			
		2547.0	18.22	18.26	18.44			
		2501.0	18.25	18.29	18.47			
	25RB_0	2685.0	18.18	18.22	18.43			
		2639.0	18.21	18.22	18.39			
		2593.0	18.20	18.26	18.43			
		2547.0	18.23	18.26	18.40			
		2501.0	18.20	18.24	18.42			
	50RB_0	2685.0	18.17	18.24	18.36			
		2639.0	18.22	18.23	18.36			
		2593.0	18.21	18.21	18.35			
		2547.0	18.23	18.26	18.39			
		2501.0	18.24	18.26	18.41			

Power Level B1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	2682.5	18.03	18.12	18.07	20.0	20.0	20.0
		2637.8	18.07	18.14	18.06			
		2593.0	18.16	18.30	18.12			
		2548.3	18.16	18.21	18.13			
		2503.5	18.16	18.23	18.12			
	1RB_37	2682.5	18.13	18.20	18.14			
		2637.8	18.13	18.19	18.12			
		2593.0	18.20	18.28	18.21			
		2548.3	18.13	18.25	18.14			
		2503.5	18.18	18.26	18.18			
	1RB_0	2682.5	18.13	18.19	18.14			
		2637.8	18.08	18.13	18.09			
		2593.0	18.13	18.20	18.11			
		2548.3	18.12	18.18	18.08			
		2503.5	18.18	18.24	18.14			
	36RB_38	2682.5	18.11	18.13	18.26	20.0	20.0	20.0
		2637.8	18.12	18.12	18.24			
		2593.0	18.16	18.10	18.35			
		2548.3	18.15	18.13	18.30			
		2503.5	18.23	18.21	18.39			
	36RB_19	2682.5	18.15	18.14	18.32			
		2637.8	18.12	18.11	18.30			
		2593.0	18.18	18.16	18.34			
		2548.3	18.22	18.18	18.37			
		2503.5	18.20	18.17	18.37			
	36RB_0	2682.5	18.13	18.13	18.35			
		2637.8	18.15	18.12	18.31			
		2593.0	18.13	18.11	18.29			
		2548.3	18.17	18.14	18.32			
		2503.5	18.20	18.21	18.39			
	75RB_0	2682.5	18.19	18.17	18.36			
		2637.8	18.15	18.18	18.34			
		2593.0	18.18	18.17	18.36			
		2548.3	18.25	18.24	18.39			
		2503.5	18.22	18.22	18.39			

Power Level B1								
LTE Band 41			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	2680.0	18.01	18.07	18.09	20.0	20.0	20.0
		2636.5	18.10	18.10	18.04			
		2593.0	18.12	18.13	18.07			
		2549.5	18.10	18.14	18.08			
		2506.0	18.13	18.16	18.07			
	1RB_50	2680.0	18.18	18.22	18.13			
		2636.5	**18.25**	18.20	18.12			
		2593.0	18.23	18.26	18.18			
		2549.5	18.20	18.25	18.13			
		2506.0	18.22	18.27	18.16			
	1RB_0	2680.0	18.09	18.13	18.07			
		2636.5	18.09	18.12	18.05			
		2593.0	18.09	18.14	18.04			
		2549.5	18.11	18.18	18.07			
		2506.0	18.14	18.27	18.08			
	50RB_50	2680.0	18.10	18.13	18.28	20.0	20.0	20.0
		2636.5	18.11	18.14	18.28			
		2593.0	18.13	18.16	18.31			
		2549.5	18.19	18.16	18.32			
		2506.0	18.18	18.22	18.37			
	50RB_25	2680.0	18.20	18.20	18.37			
		2636.5	**18.26**	18.23	18.35			
		2593.0	18.19	18.21	18.37			
		2549.5	18.23	18.23	18.44			
		2506.0	18.24	18.30	18.41			
	50RB_0	2680.0	18.21	18.24	18.36			
		2636.5	18.17	18.18	18.36			
		2593.0	18.24	18.26	18.38			
		2549.5	18.17	18.19	18.34			
		2506.0	18.20	18.26	18.38			
	100RB_0	2680.0	18.17	18.17	18.33			
		2636.5	18.20	18.12	18.29			
		2593.0	18.18	18.17	18.32			
		2549.5	18.20	18.17	18.32			
		2506.0	18.19	18.22	18.37			

Ant.2 - Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	20.01	20.30	20.13	21.0	21.0	21.0
		1745.0	19.95	20.29	20.15			
		1710.7	20.07	20.46	20.26			
	1RB_3	1779.3	20.06	20.33	20.11			
		1745.0	19.98	20.37	20.19			
		1710.7	20.10	20.51	20.27			
	1RB_0	1779.3	20.02	20.33	20.14			
		1745.0	20.00	20.32	20.19			
		1710.7	20.05	20.41	20.36			
	3RB_3	1779.3	20.02	20.07	20.16			
		1745.0	19.92	19.98	20.17			
		1710.7	20.10	20.05	20.24			
	3RB_1	1779.3	20.07	20.08	20.18			
		1745.0	19.99	19.99	20.19			
		1710.7	20.12	20.10	20.25			
	3RB_0	1779.3	20.07	20.07	20.18			
		1745.0	20.00	19.99	20.18			
		1710.7	20.10	20.08	20.26			
	6RB_0	1779.3	20.05	20.13	20.06	21.0	21.0	21.0
		1745.0	20.00	20.10	19.99			
		1710.7	20.10	20.16	20.05			

Ant.2 - Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	20.01	20.31	20.04	21.0	21.0	21.0
		1745.0	19.93	20.35	20.06			
		1711.5	20.05	20.39	20.21			
	1RB_7	1778.5	20.02	20.38	20.12			
		1745.0	19.97	20.41	20.10			
		1711.5	20.10	20.47	20.27			
	1RB_0	1778.5	20.01	20.34	20.06			
		1745.0	19.98	20.39	20.10			
		1711.5	20.07	20.46	20.26			
	8RB_7	1778.5	20.00	20.05	20.05	21.0	21.0	21.0
		1745.0	19.94	20.03	20.03			
		1711.5	20.10	20.15	20.13			
	8RB_4	1778.5	20.01	20.05	20.04			
		1745.0	19.97	19.99	20.02			
		1711.5	20.09	20.16	20.15			
	8RB_0	1778.5	20.05	20.08	20.07			
		1745.0	20.01	20.04	20.09			
		1711.5	20.11	20.17	20.19			
	15RB_0	1778.5	20.00	20.03	20.02			
		1745.0	19.95	20.01	19.92			
		1711.5	20.08	20.15	20.06			

Ant.2 - Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	19.99	20.40	20.17	21.0	21.0	21.0
		1745.0	19.94	20.31	20.24			
		1712.5	20.06	20.34	20.28			
	1RB_12	1777.5	20.05	20.44	20.28			
		1745.0	19.98	20.38	20.27			
		1712.5	20.13	20.45	20.37			
	1RB_0	1777.5	19.99	20.38	20.22			
		1745.0	20.03	20.43	20.31			
		1712.5	20.14	20.44	20.28			
	12RB_13	1777.5	19.99	19.97	20.04	21.0	21.0	21.0
		1745.0	19.91	19.87	19.95			
		1712.5	20.00	20.00	20.02			
	12RB_6	1777.5	20.04	20.04	20.12			
		1745.0	20.01	20.04	20.07			
		1712.5	20.11	20.11	20.15			
	12RB_0	1777.5	20.11	20.12	20.14			
		1745.0	20.07	20.05	20.12			
		1712.5	20.18	20.15	20.18			
	25RB_0	1777.5	20.07	20.09	20.05			
		1745.0	19.98	20.03	20.00			
		1712.5	20.13	20.15	20.16			

Ant.2 - Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	20.00	20.21	20.20	21.0	21.0	21.0
		1745.0	19.98	20.21	20.05			
		1715.0	20.03	20.37	20.21			
	1RB_24	1775.0	20.01	20.25	20.18			
		1745.0	20.05	20.28	20.11			
		1715.0	20.07	20.39	20.24			
	1RB_0	1775.0	19.99	20.22	20.15			
		1745.0	20.05	20.36	20.15			
		1715.0	20.12	20.42	20.31			
	25RB_25	1775.0	19.98	19.99	20.01	21.0	21.0	21.0
		1745.0	19.92	19.95	19.96			
		1715.0	20.10	20.11	20.12			
	25RB_12	1775.0	20.04	20.06	20.02			
		1745.0	20.04	20.06	20.08			
		1715.0	20.07	20.08	20.10			
	25RB_0	1775.0	20.11	20.14	20.12			
		1745.0	20.10	20.12	20.10			
		1715.0	20.19	20.16	20.22			
	50RB_0	1775.0	20.07	20.08	20.09			
		1745.0	20.04	20.03	20.06			
		1715.0	20.17	20.18	20.17			

Ant.2 - Power Level A1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	19.97	20.23	20.25	21.0	21.0	21.0
		1745.0	19.88	20.23	20.14			
		1717.5	19.95	20.19	20.12			
	1RB_37	1772.5	20.05	20.32	20.30			
		1745.0	19.99	20.37	20.25			
		1717.5	20.05	20.33	20.26			
	1RB_0	1772.5	19.93	20.28	20.24			
		1745.0	20.00	20.32	20.19			
		1717.5	20.06	20.33	20.28			
	36RB_38	1772.5	19.95	19.99	19.98	21.0	21.0	21.0
		1745.0	19.87	19.91	19.90			
		1717.5	20.07	20.07	20.10			
	36RB_19	1772.5	20.03	20.04	20.07			
		1745.0	19.97	20.03	20.01			
		1717.5	20.05	20.08	20.12			
	36RB_0	1772.5	20.00	20.05	20.00			
		1745.0	20.01	20.07	20.07			
		1717.5	20.08	20.17	20.19			
	75RB_0	1772.5	19.98	20.00	19.97			
		1745.0	19.94	19.99	19.97			
		1717.5	20.07	20.09	20.08			

Ant.2 - Power Level A1								
LTE Band 66			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	19.93	20.23	20.00	**21.0**	**21.0**	**21.0**
		1745.0	19.83	20.26	20.02			
		1720.0	19.92	20.18	20.12			
	1RB_50	1770.0	19.98	20.36	20.07			
		1745.0	19.94	20.34	20.13			
		1720.0	20.00	20.34	20.27			
	1RB_0	1770.0	19.99	20.31	20.04			
		1745.0	19.96	20.32	20.20			
		1720.0	**20.03**	20.35	20.32			
	50RB_50	1770.0	19.81	19.90	19.88	**21.0**	**21.0**	**21.0**
		1745.0	19.82	19.82	19.81			
		1720.0	20.14	20.13	20.10			
	50RB_25	1770.0	19.94	20.00	20.05			
		1745.0	20.04	20.03	20.06			
		1720.0	20.08	20.10	20.08			
	50RB_0	1770.0	19.95	19.89	19.88			
		1745.0	20.05	20.03	20.03			
		1720.0	**20.18**	20.18	20.18			
	100RB_0	1770.0	19.83	19.84	19.84			
		1745.0	19.91	19.90	19.91			
		1720.0	20.09	20.11	20.12			

Ant.2 - Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	20.51	20.89	20.55	22.2	22.2	22.2
		1745.0	20.47	20.90	20.58			
		1710.7	20.58	20.94	20.76			
	1RB_3	1779.3	20.49	20.80	20.56			
		1745.0	20.48	20.87	20.62			
		1710.7	20.54	20.97	20.78			
	1RB_0	1779.3	20.49	20.90	20.62			
		1745.0	20.45	20.90	20.64			
		1710.7	20.57	20.92	20.84			
	3RB_3	1779.3	20.55	20.53	20.71			
		1745.0	20.49	20.50	20.51			
		1710.7	20.58	20.62	20.70			
	3RB_1	1779.3	20.54	20.58	20.71			
		1745.0	20.51	20.55	20.56			
		1710.7	20.61	20.59	20.71			
	3RB_0	1779.3	20.52	20.58	20.70			
		1745.0	20.55	20.52	20.56			
		1710.7	20.60	20.61	20.73			
	6RB_0	1779.3	20.55	20.63	20.02	22.2	22.2	21.5
		1745.0	20.51	20.59	20.02			
		1710.7	20.60	20.67	20.11			

Ant.2 - Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	20.46	20.75	20.77	22.2	22.2	22.2
		1745.0	20.46	20.75	20.71			
		1711.5	20.52	20.80	20.64			
	1RB_7	1778.5	20.50	20.77	20.79			
		1745.0	20.49	20.80	20.70			
		1711.5	20.61	20.89	20.71			
	1RB_0	1778.5	20.49	20.74	20.76			
		1745.0	20.47	20.80	20.68			
		1711.5	20.58	20.93	20.70			
	8RB_7	1778.5	20.52	20.57	20.01	22.2	22.2	21.5
		1745.0	20.44	20.52	19.97			
		1711.5	20.59	20.67	20.13			
	8RB_4	1778.5	20.50	20.57	20.01			
		1745.0	20.47	20.53	19.96			
		1711.5	20.59	20.66	20.13			
	8RB_0	1778.5	20.55	20.58	20.01			
		1745.0	20.54	20.56	20.05			
		1711.5	20.64	20.68	20.18			
	15RB_0	1778.5	20.52	20.58	20.02			
		1745.0	20.46	20.47	19.96			
		1711.5	20.60	20.61	20.11			

Ant.2 - Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	20.52	20.86	20.65	22.2	22.2	22.2
		1745.0	20.48	20.84	20.65			
		1712.5	20.54	20.84	20.80			
	1RB_12	1777.5	20.54	20.91	20.70			
		1745.0	20.53	20.81	20.67			
		1712.5	20.58	20.94	20.88			
	1RB_0	1777.5	20.53	20.88	20.65			
		1745.0	20.48	20.90	20.70			
		1712.5	20.61	20.96	20.91			
	12RB_13	1777.5	20.50	20.53	19.97	22.2	22.2	21.5
		1745.0	20.38	20.42	19.96			
		1712.5	20.50	20.55	20.07			
	12RB_6	1777.5	20.57	20.56	20.08			
		1745.0	20.56	20.52	20.10			
		1712.5	20.62	20.62	20.19			
	12RB_0	1777.5	20.62	20.62	20.11			
		1745.0	20.58	20.59	20.14			
		1712.5	20.67	20.64	20.23			
	25RB_0	1777.5	20.57	20.57	20.05			
		1745.0	20.51	20.51	19.98			
		1712.5	20.63	20.64	20.11			

Ant.2 - Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	20.50	20.88	20.71	22.2	22.2	22.2
		1745.0	20.49	20.81	20.60			
		1715.0	20.54	20.85	20.57			
	1RB_24	1775.0	20.50	20.84	20.71			
		1745.0	20.52	20.86	20.66			
		1715.0	20.59	20.99	20.69			
	1RB_0	1775.0	20.51	20.86	20.68			
		1745.0	20.57	20.85	20.68			
		1715.0	20.64	20.98	20.66			
	25RB_25	1775.0	20.51	20.51	20.02	22.2	22.2	21.5
		1745.0	20.46	20.42	19.96			
		1715.0	20.62	20.64	20.09			
	25RB_12	1775.0	20.58	20.55	20.05			
		1745.0	20.56	20.53	20.06			
		1715.0	20.59	20.62	20.11			
	25RB_0	1775.0	20.62	20.62	20.12			
		1745.0	20.59	20.58	20.12			
		1715.0	20.73	20.70	20.20			
	50RB_0	1775.0	20.60	20.58	20.08			
		1745.0	20.53	20.55	20.04			
		1715.0	20.69	20.67	20.17			

Ant.2 - Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	20.44	20.76	20.70	22.2	22.2	22.2
		1745.0	20.39	20.72	20.61			
		1717.5	20.44	20.74	20.72			
	1RB_37	1772.5	20.48	20.81	20.73			
		1745.0	20.51	20.74	20.78			
		1717.5	20.60	20.84	20.75			
	1RB_0	1772.5	20.48	20.77	20.66			
		1745.0	20.53	20.78	20.81			
		1717.5	20.61	20.86	20.83			
	36RB_38	1772.5	20.49	20.50	20.02	22.2	22.2	21.5
		1745.0	20.38	20.41	19.94			
		1717.5	20.54	20.60	20.10			
	36RB_19	1772.5	20.56	20.58	20.09			
		1745.0	20.55	20.55	20.04			
		1717.5	20.58	20.62	20.09			
	36RB_0	1772.5	20.53	20.50	20.01			
		1745.0	20.58	20.60	20.06			
		1717.5	20.66	20.65	20.18			
	75RB_0	1772.5	20.53	20.50	19.97			
		1745.0	20.50	20.50	19.95			
		1717.5	20.62	20.57	20.10			

Ant.2 - Power Level B1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	20.43	20.72	20.57	22.2	22.2	22.2
		1745.0	20.38	20.67	20.46			
		1720.0	20.39	20.76	20.57			
	1RB_50	1770.0	20.52	20.83	20.64			
		1745.0	20.50	20.78	20.60			
		1720.0	20.52	20.91	20.75			
	1RB_0	1770.0	20.53	20.74	20.62			
		1745.0	20.51	20.88	20.59			
		1720.0	**20.57**	20.96	20.77			
	50RB_50	1770.0	20.37	20.39	19.89	22.2	22.2	21.5
		1745.0	20.32	20.33	19.84			
		1720.0	20.63	20.62	20.09			
	50RB_25	1770.0	20.54	20.52	20.01			
		1745.0	20.56	20.56	20.05			
		1720.0	20.59	20.61	20.11			
	50RB_0	1770.0	20.55	20.44	19.92			
		1745.0	20.57	20.57	20.03			
		1720.0	**20.69**	20.67	20.13			
	100RB_0	1770.0	20.39	20.38	19.89			
		1745.0	20.42	20.42	19.91			
		1720.0	20.67	20.63	20.14			

Ant.2 - Power Level C1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	22.03	22.36	21.21	23.5	23.5	22.5
		1745.0	22.02	22.27	21.25			
		1710.7	22.10	22.44	21.36			
	1RB_3	1779.3	22.07	22.36	21.25			
		1745.0	22.02	22.34	21.23			
		1710.7	22.12	22.48	21.40			
	1RB_0	1779.3	22.02	22.37	21.22			
		1745.0	22.01	22.30	21.24			
		1710.7	22.12	22.42	21.39			
	3RB_3	1779.3	22.09	22.09	21.14			
		1745.0	22.01	22.08	21.15			
		1710.7	22.14	22.18	21.25			
	3RB_1	1779.3	22.09	22.12	21.14			
		1745.0	22.02	22.10	21.20			
		1710.7	22.16	22.17	21.29			
	3RB_0	1779.3	22.08	22.11	21.14			
		1745.0	22.05	22.08	21.22			
		1710.7	22.11	22.18	21.28			
	6RB_0	1779.3	22.07	21.18	20.06	23.5	22.5	21.5
		1745.0	22.03	21.13	20.00			
		1710.7	22.16	21.22	20.06			

Ant.2 - Power Level C1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	21.99	22.26	21.25	23.5	23.5	22.5
		1745.0	21.99	22.23	21.07			
		1711.5	22.05	22.39	21.13			
	1RB_7	1778.5	22.01	22.29	21.27			
		1745.0	21.96	22.30	21.10			
		1711.5	22.10	22.44	21.24			
	1RB_0	1778.5	22.00	22.29	21.20			
		1745.0	21.99	22.24	21.11			
		1711.5	22.10	22.50	21.23			
	8RB_7	1778.5	22.05	21.12	20.04	23.5	22.5	21.5
		1745.0	21.97	21.06	19.99			
		1711.5	22.12	21.19	20.17			
	8RB_4	1778.5	22.06	21.11	20.03			
		1745.0	21.99	21.06	20.00			
		1711.5	22.14	21.18	20.17			
	8RB_0	1778.5	22.05	21.12	20.06			
		1745.0	22.03	21.11	20.10			
		1711.5	22.17	21.21	20.18			
	15RB_0	1778.5	22.01	21.05	20.07			
		1745.0	21.98	21.01	19.97			
		1711.5	22.16	21.14	20.12			

Ant.2 - Power Level C1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	22.08	22.36	21.18	23.5	23.5	22.5
		1745.0	22.05	22.33	21.25			
		1712.5	22.09	22.43	21.26			
	1RB_12	1777.5	22.11	22.39	21.21			
		1745.0	22.06	22.27	21.33			
		1712.5	22.14	22.43	21.34			
	1RB_0	1777.5	22.10	22.32	21.18			
		1745.0	22.08	22.36	21.32			
		1712.5	22.16	22.48	21.33			
	12RB_13	1777.5	22.06	21.02	20.03	23.5	22.5	21.5
		1745.0	21.98	20.92	19.99			
		1712.5	22.04	21.01	20.07			
	12RB_6	1777.5	22.11	21.10	20.07			
		1745.0	22.07	21.03	20.09			
		1712.5	22.14	21.13	20.17			
	12RB_0	1777.5	22.15	21.14	20.22			
		1745.0	22.11	21.08	20.13			
		1712.5	22.24	21.17	20.22			
	25RB_0	1777.5	22.08	21.07	20.07			
		1745.0	22.02	21.03	19.98			
		1712.5	22.18	21.18	20.14			

Ant.2 - Power Level C1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	22.05	22.27	21.12	23.5	23.5	22.5
		1745.0	22.03	22.31	21.13			
		1715.0	22.10	22.40	21.32			
	1RB_24	1775.0	22.07	22.31	21.15			
		1745.0	22.11	22.37	21.20			
		1715.0	22.15	22.44	21.41			
	1RB_0	1775.0	22.04	22.33	21.18			
		1745.0	22.08	22.38	21.20			
		1715.0	22.17	22.49	21.39			
	25RB_25	1775.0	22.07	21.05	20.00	23.5	22.5	21.5
		1745.0	21.98	20.95	19.92			
		1715.0	22.15	21.15	20.13			
	25RB_12	1775.0	22.08	21.08	20.05			
		1745.0	22.04	21.07	20.05			
		1715.0	22.13	21.12	20.11			
	25RB_0	1775.0	22.15	21.14	20.12			
		1745.0	22.11	21.13	20.12			
		1715.0	22.23	21.23	20.22			
	50RB_0	1775.0	22.09	21.11	20.08			
		1745.0	22.08	21.06	20.02			
		1715.0	22.20	21.17	20.14			

Ant.2 - Power Level C1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	21.95	22.26	21.23	23.5	23.5	22.5
		1745.0	21.92	22.22	21.09			
		1717.5	21.96	22.30	21.08			
	1RB_37	1772.5	22.01	22.33	21.27			
		1745.0	22.02	22.31	21.19			
		1717.5	22.10	22.39	21.20			
	1RB_0	1772.5	21.97	22.28	21.18			
		1745.0	22.01	22.29	21.11			
		1717.5	22.10	22.40	21.21			
	36RB_38	1772.5	22.00	20.99	19.99	23.5	22.5	21.5
		1745.0	21.90	20.95	19.95			
		1717.5	22.10	21.07	20.07			
	36RB_19	1772.5	22.10	21.05	20.05			
		1745.0	22.03	21.04	20.07			
		1717.5	22.10	21.10	20.10			
	36RB_0	1772.5	22.06	21.03	20.01			
		1745.0	22.07	21.07	20.14			
		1717.5	22.15	21.15	20.20			
	75RB_0	1772.5	22.01	21.01	19.97			
		1745.0	22.02	21.02	20.01			
		1717.5	22.14	21.10	20.11			

Ant.2 - Power Level C1								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	21.98	22.26	21.14	23.5	23.5	22.5
		1745.0	21.91	22.20	21.14			
		1720.0	21.97	22.18	21.14			
	1RB_50	1770.0	22.03	22.36	21.23			
		1745.0	22.08	22.32	21.29			
		1720.0	22.08	22.31	21.30			
	1RB_0	1770.0	22.04	22.36	21.12			
		1745.0	22.09	22.34	21.27			
		1720.0	**22.10**	22.32	21.28			
	50RB_50	1770.0	21.90	20.90	19.89	23.5	22.5	21.5
		1745.0	21.85	20.86	19.85			
		1720.0	22.16	21.14	20.10			
	50RB_25	1770.0	22.02	21.02	20.03			
		1745.0	22.06	21.05	20.06			
		1720.0	22.15	21.11	20.07			
	50RB_0	1770.0	22.03	20.93	19.92			
		1745.0	22.07	21.08	20.04			
		1720.0	**22.22**	21.15	20.15			
	100RB_0	1770.0	21.86	20.91	19.89			
		1745.0	21.93	20.95	19.93			
		1720.0	22.15	21.16	20.11			

Ant.1 - Power Level A2/C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	17.80	17.95	17.83	18.3	18.3	18.3
		1745.0	17.72	17.95	17.86			
		1710.7	17.80	18.13	17.95			
	1RB_3	1779.3	17.79	17.97	17.81			
		1745.0	17.70	18.02	17.84			
		1710.7	17.89	18.16	17.96			
	1RB_0	1779.3	17.74	18.03	17.82			
		1745.0	17.73	17.98	17.84			
		1710.7	17.83	18.07	18.07			
	3RB_3	1779.3	17.80	17.74	17.82			
		1745.0	17.72	17.66	17.86			
		1710.7	17.83	17.74	17.92			
	3RB_1	1779.3	17.81	17.70	17.84			
		1745.0	17.75	17.62	17.83			
		1710.7	17.88	17.75	17.95			
	3RB_0	1779.3	17.87	17.76	17.83			
		1745.0	17.79	17.69	17.88			
		1710.7	17.88	17.71	17.91			
	6RB_0	1779.3	17.79	17.78	17.74	18.3	18.3	18.3
		1745.0	17.75	17.75	17.66			
		1710.7	17.86	17.85	17.72			

Ant.1 - Power Level A2/C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	17.80	17.97	17.73	18.3	18.3	18.3
		1745.0	17.65	18.04	17.70			
		1711.5	17.81	18.08	17.92			
	1RB_7	1778.5	17.82	18.08	17.79			
		1745.0	17.71	18.08	17.80			
		1711.5	17.85	18.10	17.91			
	1RB_0	1778.5	17.77	18.02	17.72			
		1745.0	17.76	18.08	17.74			
		1711.5	17.86	18.16	17.95			
	8RB_7	1778.5	17.77	17.68	17.73	18.3	18.3	18.3
		1745.0	17.70	17.72	17.69			
		1711.5	17.83	17.79	17.77			
	8RB_4	1778.5	17.79	17.69	17.68			
		1745.0	17.71	17.64	17.68			
		1711.5	17.86	17.80	17.82			
	8RB_0	1778.5	17.80	17.72	17.75			
		1745.0	17.81	17.74	17.77			
		1711.5	17.84	17.80	17.82			
	15RB_0	1778.5	17.77	17.66	17.67			
		1745.0	17.70	17.70	17.59			
		1711.5	17.85	17.79	17.77			

Ant.1 - Power Level A2/C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	17.75	18.04	17.87	18.3	18.3	18.3
		1745.0	17.72	17.94	17.90			
		1712.5	17.84	17.99	17.96			
	1RB_12	1777.5	17.79	18.07	17.94			
		1745.0	17.71	18.06	17.96			
		1712.5	17.87	18.15	18.05			
	1RB_0	1777.5	17.76	18.03	17.89			
		1745.0	17.76	18.09	17.98			
		1712.5	17.86	18.12	17.94			
	12RB_13	1777.5	17.77	17.63	17.68	18.3	18.3	18.3
		1745.0	17.63	17.50	17.61			
		1712.5	17.72	17.63	17.67			
	12RB_6	1777.5	17.83	17.74	17.78			
		1745.0	17.78	17.68	17.77			
		1712.5	17.89	17.77	17.79			
	12RB_0	1777.5	17.90	17.75	17.82			
		1745.0	17.84	17.69	17.79			
		1712.5	17.97	17.80	17.82			
	25RB_0	1777.5	17.86	17.73	17.71			
		1745.0	17.73	17.67	17.70			
		1712.5	17.87	17.77	17.86			

Ant.1 - Power Level A2/C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	17.73	17.87	17.90	18.3	18.3	18.3
		1745.0	17.77	17.88	17.73			
		1715.0	17.81	18.02	17.89			
	1RB_24	1775.0	17.74	17.93	17.83			
		1745.0	17.82	17.93	17.76			
		1715.0	17.86	18.01	17.91			
	1RB_0	1775.0	17.74	17.88	17.84			
		1745.0	17.83	18.03	17.80			
		1715.0	17.86	18.11	18.02			
	25RB_25	1775.0	17.75	17.68	17.68	18.3	18.3	18.3
		1745.0	17.68	17.63	17.63			
		1715.0	17.87	17.79	17.79			
	25RB_12	1775.0	17.80	17.73	17.73			
		1745.0	17.79	17.71	17.74			
		1715.0	17.83	17.75	17.74			
	25RB_0	1775.0	17.89	17.84	17.75			
		1745.0	17.83	17.75	17.79			
		1715.0	17.91	17.84	17.89			
	50RB_0	1775.0	17.84	17.71	17.75			
		1745.0	17.81	17.70	17.71			
		1715.0	17.95	17.85	17.84			

Ant.1 - Power Level A2/C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	17.74	17.90	17.93	18.3	18.3	18.3
		1745.0	17.63	17.93	17.83			
		1717.5	17.74	17.84	17.79			
	1RB_37	1772.5	17.77	17.99	17.98			
		1745.0	17.77	18.03	17.90			
		1717.5	17.82	17.97	17.91			
	1RB_0	1772.5	17.71	17.96	17.87			
		1745.0	17.77	18.01	17.89			
		1717.5	17.81	17.96	17.99			
	36RB_38	1772.5	17.72	17.69	17.67	18.3	18.3	18.3
		1745.0	17.64	17.61	17.55			
		1717.5	17.85	17.70	17.73			
	36RB_19	1772.5	17.75	17.71	17.78			
		1745.0	17.72	17.72	17.72			
		1717.5	17.84	17.76	17.76			
	36RB_0	1772.5	17.80	17.72	17.63			
		1745.0	17.74	17.74	17.74			
		1717.5	17.87	17.86	17.87			
	75RB_0	1772.5	17.77	17.68	17.64			
		1745.0	17.70	17.68	17.68			
		1717.5	17.82	17.79	17.73			

Ant.1 - Power Level A2/C2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	17.68	17.89	17.66	18.3	18.3	18.3
		1745.0	17.58	17.96	17.67			
		1720.0	17.67	17.82	17.77			
	1RB_50	1770.0	**17.80**	17.99	17.70			
		1745.0	17.73	17.98	17.79			
		1720.0	17.73	17.98	17.95			
	1RB_0	1770.0	17.76	18.01	17.67			
		1745.0	17.72	17.97	17.83			
		1720.0	17.79	18.00	18.00			
	50RB_50	1770.0	17.54	17.54	17.54	18.3	18.3	18.3
		1745.0	17.59	17.45	17.50			
		1720.0	17.82	17.78	17.76			
	50RB_25	1770.0	**17.88**	17.69	17.69			
		1745.0	17.78	17.67	17.74			
		1720.0	17.82	17.73	17.72			
	50RB_0	1770.0	17.74	17.53	17.54			
		1745.0	17.78	17.65	17.71			
		1720.0	17.79	17.84	17.83			
	100RB_0	1770.0	17.56	17.52	17.52			
		1745.0	17.64	17.56	17.56			
		1720.0	17.85	17.80	17.82			

Ant.1 - Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1.4 MHz	1RB_5	1779.3	13.90	13.91	13.81	14.3	14.3	14.3
		1745.0	13.77	13.94	13.87			
		1710.7	13.89	14.12	13.98			
	1RB_3	1779.3	13.86	13.98	13.83			
		1745.0	13.76	13.98	13.86			
		1710.7	13.94	14.14	13.93			
	1RB_0	1779.3	13.83	14.03	13.78			
		1745.0	13.77	13.94	13.87			
		1710.7	13.87	14.06	14.03			
	3RB_3	1779.3	13.87	13.70	13.80			
		1745.0	13.79	13.69	13.81			
		1710.7	13.90	13.77	13.89			
	3RB_1	1779.3	13.89	13.72	13.82			
		1745.0	13.83	13.57	13.83			
		1710.7	13.93	13.78	13.91			
	3RB_0	1779.3	13.92	13.72	13.82			
		1745.0	13.87	13.66	13.87			
		1710.7	13.94	13.71	13.89			
	6RB_0	1779.3	13.84	13.80	13.76	14.3	14.3	14.3
		1745.0	13.78	13.77	13.66			
		1710.7	13.95	13.85	13.67			

Ant.1 - Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3 MHz	1RB_14	1778.5	13.89	13.98	13.72	14.3	14.3	14.3
		1745.0	13.70	14.03	13.69			
		1711.5	13.89	14.06	13.90			
	1RB_7	1778.5	13.92	14.07	13.75			
		1745.0	13.77	14.06	13.75			
		1711.5	13.94	14.12	13.89			
	1RB_0	1778.5	13.86	13.99	13.72			
		1745.0	13.82	14.05	13.73			
		1711.5	13.95	14.14	13.92			
	8RB_7	1778.5	13.81	13.70	13.73	14.3	14.3	14.3
		1745.0	13.79	13.75	13.69			
		1711.5	13.89	13.76	13.72			
	8RB_4	1778.5	13.81	13.71	13.70			
		1745.0	13.75	13.61	13.67			
		1711.5	13.95	13.81	13.79			
	8RB_0	1778.5	13.88	13.75	13.75			
		1745.0	13.84	13.72	13.79			
		1711.5	13.93	13.80	13.83			
	15RB_0	1778.5	13.83	13.66	13.65			
		1745.0	13.78	13.67	13.58			
		1711.5	13.90	13.76	13.74			

Ant.1 - Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	1777.5	13.80	14.07	13.85	14.3	14.3	14.3
		1745.0	13.75	13.96	13.85			
		1712.5	13.87	13.98	13.95			
	1RB_12	1777.5	13.83	14.08	13.90			
		1745.0	13.74	14.02	13.95			
		1712.5	13.90	14.12	14.02			
	1RB_0	1777.5	13.81	14.01	13.88			
		1745.0	13.83	14.08	13.98			
		1712.5	13.88	14.08	13.95			
	12RB_13	1777.5	13.82	13.64	13.68	14.3	14.3	14.3
		1745.0	13.69	13.46	13.63			
		1712.5	13.81	13.66	13.69			
	12RB_6	1777.5	13.87	13.75	13.81			
		1745.0	13.82	13.68	13.75			
		1712.5	13.92	13.74	13.77			
	12RB_0	1777.5	13.94	13.75	13.84			
		1745.0	13.93	13.66	13.78			
		1712.5	14.03	13.80	13.79			
	25RB_0	1777.5	13.88	13.70	13.68			
		1745.0	13.78	13.62	13.67			
		1712.5	13.94	13.80	13.83			

Ant.1 - Power Level B2								
LTE Band 66			Actual output Power (dBm)			**Tune up**		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	1775.0	13.79	13.87	13.87	**14.3**	**14.3**	**14.3**
		1745.0	13.85	13.88	13.70			
		1715.0	13.87	13.99	13.88			
	1RB_24	1775.0	13.80	13.93	13.84			
		1745.0	13.88	13.94	13.77			
		1715.0	13.95	14.02	13.86			
	1RB_0	1775.0	13.82	13.89	13.80			
		1745.0	13.87	13.98	13.79			
		1715.0	13.91	14.13	14.01			
	25RB_25	1775.0	13.81	13.70	13.70	**14.3**	**14.3**	**14.3**
		1745.0	13.77	13.61	13.64			
		1715.0	13.97	13.75	13.82			
	25RB_12	1775.0	13.89	13.68	13.71			
		1745.0	13.85	13.68	13.72			
		1715.0	13.88	13.73	13.76			
	25RB_0	1775.0	13.98	13.80	13.71			
		1745.0	13.87	13.74	13.82			
		1715.0	14.00	13.83	13.90			
	50RB_0	1775.0	13.86	13.73	13.73			
		1745.0	13.86	13.67	13.68			
		1715.0	14.03	13.81	13.80			

Ant.1 - Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	1772.5	13.81	13.85	13.96	14.3	14.3	14.3
		1745.0	13.72	13.95	13.84			
		1717.5	13.76	13.86	13.81			
	1RB_37	1772.5	13.85	14.01	13.98			
		1745.0	13.84	14.04	13.91			
		1717.5	13.91	13.94	13.90			
	1RB_0	1772.5	13.77	13.93	13.89			
		1745.0	13.86	13.97	13.85			
		1717.5	13.88	13.97	13.97			
	36RB_38	1772.5	13.81	13.64	13.62	14.3	14.3	14.3
		1745.0	13.73	13.59	13.50			
		1717.5	13.91	13.72	13.72			
	36RB_19	1772.5	13.82	13.71	13.78			
		1745.0	13.81	13.69	13.67			
		1717.5	13.87	13.74	13.72			
	36RB_0	1772.5	13.82	13.68	13.64			
		1745.0	13.76	13.71	13.71			
		1717.5	13.94	13.86	13.83			
	75RB_0	1772.5	13.86	13.69	13.60			
		1745.0	13.77	13.65	13.69			
		1717.5	13.91	13.75	13.69			

Ant.1 - Power Level B2								
LTE Band 66			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	1770.0	13.88	13.90	13.65	14.3	14.3	14.3
		1745.0	13.71	13.94	13.63			
		1720.0	13.63	13.79	13.75			
	1RB_50	1770.0	**13.92**	13.95	13.66			
		1745.0	13.78	13.99	13.78			
		1720.0	13.71	13.98	13.93			
	1RB_0	1770.0	13.76	14.01	13.63			
		1745.0	13.61	13.99	13.84			
		1720.0	13.53	14.00	13.98			
	50RB_50	1770.0	13.58	13.52	13.51	14.3	14.3	14.3
		1745.0	13.56	13.45	13.45			
		1720.0	13.78	13.75	13.71			
	50RB_25	1770.0	**13.92**	13.71	13.66			
		1745.0	13.75	13.66	13.75			
		1720.0	13.64	13.76	13.73			
	50RB_0	1770.0	13.68	13.55	13.50			
		1745.0	13.70	13.64	13.70			
		1720.0	13.68	13.82	13.83			
	100RB_0	1770.0	13.61	13.50	13.50			
		1745.0	13.65	13.55	13.55			
		1720.0	13.64	13.81	13.83			

Power Level A1/B1/C1								
LTE Band 71			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5 MHz	1RB_24	695.5	23.34	22.38	21.28	24.5	23.5	22.5
		680.5	23.37	22.44	21.58			
		665.5	23.32	22.46	21.40			
	1RB_12	695.5	23.32	22.38	21.37			
		680.5	23.41	22.46	21.62			
		665.5	23.33	22.45	21.40			
	1RB_0	695.5	23.35	22.38	21.51			
		680.5	23.37	22.39	21.55			
		665.5	23.34	22.43	21.54			
	12RB_13	695.5	22.33	21.32	20.48	23.5	22.5	21.5
		680.5	22.31	21.49	20.48			
		665.5	22.26	21.42	20.58			
	12RB_6	695.5	22.22	21.24	20.45			
		680.5	22.30	21.47	20.49			
		665.5	22.28	21.43	20.49			
	12RB_0	695.5	22.25	21.26	20.46			
		680.5	22.28	21.45	20.46			
		665.5	22.18	21.37	20.50			
	25RB_0	695.5	22.34	21.30	20.44			
		680.5	22.30	21.46	20.47			
		665.5	22.27	21.42	20.50			

Power Level A1/B1/C1								
LTE Band 71			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10 MHz	1RB_49	693.0	23.30	22.45	21.37	24.5	23.5	22.5
		680.5	23.32	22.48	21.56			
		668.0	23.38	22.56	21.52			
	1RB_24	693.0	23.32	22.49	21.55			
		680.5	23.42	22.54	21.72			
		668.0	23.35	22.50	21.68			
	1RB_0	693.0	23.23	22.42	21.47			
		680.5	23.35	22.52	21.54			
		668.0	23.35	22.51	21.45			
	25RB_25	693.0	22.33	21.33	20.44	23.5	22.5	21.5
		680.5	22.31	21.47	20.46			
		668.0	22.32	21.46	20.46			
	25RB_12	693.0	22.26	21.42	20.45			
		680.5	22.27	21.47	20.48			
		668.0	22.29	21.45	20.39			
	25RB_0	693.0	22.36	21.55	20.51			
		680.5	22.25	21.47	20.45			
		668.0	22.26	21.41	20.37			
	50RB_0	693.0	22.37	21.54	20.51			
		680.5	22.34	21.44	20.45			
		668.0	22.29	21.45	20.44			

Power Level A1/B1/C1								
LTE Band 71			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15 MHz	1RB_74	690.5	23.22	22.41	21.25	24.5	23.5	22.5
		680.5	23.23	22.48	21.35			
		670.5	23.24	22.59	21.54			
	1RB_37	690.5	23.21	22.38	21.47			
		680.5	23.30	22.58	21.47			
		670.5	23.25	22.54	21.62			
	1RB_0	690.5	23.20	22.39	21.42			
		680.5	23.21	22.51	21.37			
		670.5	23.21	22.44	21.62			
	36RB_38	690.5	22.27	21.28	20.43	23.5	22.5	21.5
		680.5	22.26	21.42	20.37			
		670.5	22.29	21.48	20.40			
	36RB_19	690.5	22.18	21.39	20.37			
		680.5	22.26	21.42	20.41			
		670.5	22.26	21.47	20.44			
	36RB_0	690.5	22.25	21.39	20.39			
		680.5	22.25	21.43	20.40			
		670.5	22.22	21.44	20.42			
	75RB_0	690.5	22.30	21.44	20.43			
		680.5	22.28	21.38	20.36			
		670.5	22.25	21.39	20.42			

Power Level A1/B1/C1								
LTE Band 71			Actual output Power (dBm)			Tune up		
Band -width	RB No. / RB offset	Frequency (MHz)	Modulation			Modulation		
			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20 MHz	1RB_99	688.0	23.24	22.34	21.22	24.5	23.5	22.5
		683.0	23.28	22.39	21.29			
		673.0	**23.29**	22.54	21.63			
	1RB_50	688.0	23.23	22.26	21.51			
		683.0	23.27	22.39	21.34			
		673.0	23.27	22.51	21.68			
	1RB_0	688.0	23.20	22.31	21.48			
		683.0	23.26	22.40	21.43			
		673.0	23.22	22.38	21.56			
	50RB_50	688.0	22.23	21.42	20.32	23.5	22.5	21.5
		683.0	22.19	21.33	20.34			
		673.0	**22.34**	21.50	20.46			
	50RB_25	688.0	22.25	21.41	20.36			
		683.0	22.28	21.42	20.41			
		673.0	22.34	21.47	20.48			
	50RB_0	688.0	22.22	21.36	20.33			
		683.0	22.27	21.43	20.40			
		673.0	22.18	21.36	20.35			
	100RB_0	688.0	22.20	21.32	20.34			
		683.0	22.21	21.34	20.32			
		673.0	22.27	21.46	20.41			

LTE Down-Link Carrier Aggregation

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

Power Level A1

Configure		CA List	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
Inter-Band		CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	50	Band 4	20M	2132.5	2175	20.44	20.49
		CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	50	Band 5	10M	881.5	2525	20.47	20.49
		CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	50	Band 7	20M	2655.0	3100	20.41	20.49
		CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	50	Band 12	10M	737.5	5095	20.43	20.49
		CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	50	Band 13	10M	751.0	5230	20.45	20.49
		CA_2A-17A	Band 2	10M	1880	18900	QPSK	1	50	Band 17	10M	740.0	5790	20.46	20.49
		CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	50	Band 29	10M	722.5	9715	20.42	20.49
		CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	50	Band 66	20M	2155.0	66886	20.45	20.49
		CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	50	Band 71	20M	637.0	68786	20.48	20.49
		CA_4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 5	10M	881.5	2525	19.95	20.01
		CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	2655.0	3100	19.93	20.01
		CA_4A-12A	Band 4	20M	1720	20050	QPSK	1	0	Band 12	10M	737.5	5095	19.94	20.01
		CA_4A-13A	Band 4	20M	1720	20050	QPSK	1	0	Band 13	10M	751.0	5230	19.91	20.01
		CA_4A-17A	Band 4	20M	1720	20000	QPSK	1	0	Band 17	10M	740.0	5790	19.95	20.01
		CA_4A-29A	Band 4	20M	1720	20050	QPSK	1	0	Band 29	20M	637.0	68786	19.92	20.01
		CA_4A-71A	Band 4	20M	1720	20050	QPSK	1	0	Band 71	10M	722.5	9715	19.96	20.01
		CA_5A-7A	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	2655	3100	23.08	23.13
		CA_5A-25A	Band 5	10M	829	20450	QPSK	1	0	Band 25	20M	1962.5	8365	23.04	23.13
		CA_5A-66A	Band 5	10M	829	20450	QPSK	1	0	Band 66	20M	2155	66886	23.05	23.13
		CA_7A-12A	Band 7	20M	2535	21100	QPSK	50	50	Band 12	10M	737.5	5095	18.09	18.28
		CA_7A-13A	Band 7	20M	2535	21100	QPSK	50	50	Band 13	10M	751.0	5230	18.05	18.28
		CA_7A-26A	Band 7	20M	2535	21100	QPSK	50	50	Band 26	15M	876.5	8865	18.07	18.28
		CA_7A-29A	Band 7	20M	2535	21100	QPSK	50	50	Band 29	20M	637.0	68786	18.10	18.28
		CA_7A-66A	Band 7	20M	2535	21100	QPSK	50	50	Band 66	20M	2155	66886	18.06	18.28
		CA_12A-25A	Band 12	10M	707.5	23095	QPSK	1	49	Band 25	20M	1962.5	8365	22.76	22.83
		CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	22.80	22.83
		CA_13A-66A	Band 13	10M	782	23230	QPSK	1	49	Band 66	20M	2155	66886	22.87	22.90
		CA_25A-26A	Band 25	20M	1882.5	26340	QPSK	1	50	Band 26	15M	876.5	8865	20.45	20.53
		CA_25A-66A	Band 25	20M	1882.5	26340	QPSK	1	50	Band 66	20M	2155	66886	20.49	20.53
		CA_29A-66A	Band 66	20M	1720	132072	QPSK	50	0	Band 29	10M	722.5	9715	20.13	20.18
		CA_66A-71A	Band 66	20M	1720	132072	QPSK	50	0	Band 71	10M	722.5	9715	20.15	20.18
Intra-Band	Contiguous	CA_7C	Band 7	20M	2535	21100	QPSK	50	50	Band 7	20M	2674.8	3298	18.06	18.28
		CA_66B	Band 66	15M	1717.5	132047	QPSK	1	0	Band 66	5M	2121.8	66554	20.03	20.06
		CA_66C	Band 66	20M	1720	132072	QPSK	50	0	Band 66	20M	2139.8	66734	20.12	20.18
	Non-Contiguous	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	50	Band 2	5M	1987.5	1175	20.45	20.49
		CA_4A-4A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	2152.5	2375	19.97	20.01
		CA_7A-7A	Band 7	20M	2535	21100	QPSK	50	50	Band 7	5M	2687.5	3425	18.04	18.28
		CA_25A-25A	Band 25	20M	1882.5	26340	QPSK	1	50	Band 25	5M	1992.5	8665	20.46	20.53
		CA_66A-66A	Band 66	20M	1720	132072	QPSK	50	0	Band 66	5M	2197.5	67311	20.09	20.18

Power Level B1

Configure		CA List	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	Without CA Tx Power (dBm)
Inter-Band		CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	50	Band 4	20M	2132.5	2175	21.11	21.15
		CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	50	Band 5	10M	881.5	2525	21.08	21.15
		CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	50	Band 7	20M	2655.0	3100	21.12	21.15
		CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	50	Band 12	10M	737.5	5095	21.14	21.15
		CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	50	Band 13	10M	751.0	5230	21.05	21.15
		CA_2A-17A	Band 2	10M	1880	18900	QPSK	1	50	Band 17	10M	740.0	5790	21.08	21.15
		CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	50	Band 29	10M	722.5	9715	21.06	21.15
		CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	50	Band 66	20M	2155.0	66886	21.11	21.15
		CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	50	Band 71	20M	637.0	68786	21.13	21.15
		CA_4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 5	10M	881.5	2525	20.48	20.55
		CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	2655.0	3100	20.46	20.55
		CA_4A-12A	Band 4	20M	1720	20050	QPSK	1	0	Band 12	10M	737.5	5095	20.45	20.55
		CA_4A-13A	Band 4	20M	1720	20050	QPSK	1	0	Band 13	10M	751.0	5230	20.47	20.55
		CA_4A-17A	Band 4	20M	1720	20000	QPSK	1	0	Band 17	10M	740.0	5790	20.52	20.55
		CA_4A-29A	Band 4	20M	1720	20050	QPSK	1	0	Band 29	20M	637.0	68786	20.54	20.55
		CA_4A-71A	Band 4	20M	1720	20050	QPSK	1	0	Band 71	10M	722.5	9715	20.50	20.55
		CA_5A-7A	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	2655	3100	23.08	23.13
		CA_5A-25A	Band 5	10M	829	20450	QPSK	1	0	Band 25	20M	1962.5	8365	23.04	23.13
		CA_5A-66A	Band 5	10M	829	20450	QPSK	1	0	Band 66	20M	2155	66886	23.05	23.13
		CA_7A-12A	Band 7	20M	2535	21100	QPSK	50	50	Band 12	10M	737.5	5095	17.39	17.49
		CA_7A-13A	Band 7	20M	2535	21100	QPSK	50	50	Band 13	10M	751.0	5230	17.43	17.49
		CA_7A-26A	Band 7	20M	2535	21100	QPSK	50	50	Band 26	15M	876.5	8865	17.42	17.49
		CA_7A-29A	Band 7	20M	2535	21100	QPSK	50	50	Band 29	20M	637.0	68786	17.37	17.49
		CA_7A-66A	Band 7	20M	2535	21100	QPSK	50	50	Band 66	20M	2155	66886	17.43	17.49
		CA_12A-25A	Band 12	10M	707.5	23095	QPSK	1	49	Band 25	20M	1962.5	8365	22.76	22.83
		CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	22.80	22.83
		CA_13A-66A	Band 13	10M	782	23230	QPSK	1	49	Band 66	20M	2155	66886	22.87	22.90
		CA_25A-26A	Band 25	20M	1882.5	26340	QPSK	1	50	Band 26	15M	876.5	8865	21.08	21.12
		CA_25A-66A	Band 25	20M	1882.5	26340	QPSK	1	50	Band 66	20M	2155	66886	21.10	21.12
		CA_29A-66A	Band 66	20M	1720	132072	QPSK	50	0	Band 29	10M	722.5	9715	20.54	20.69
		CA_66A-71A	Band 66	20M	1720	132072	QPSK	50	0	Band 71	10M	722.5	9715	20.51	20.69
Intra-Band	Contiguous	CA_7C	Band 7	20M	2535	21100	QPSK	50	50	Band 7	20M	2674.8	3298	17.40	17.49
		CA_66B	Band 66	15M	1717.5	132047	QPSK	1	0	Band 66	5M	2121.8	66554	20.55	20.61
		CA_66C	Band 66	20M	1720	132072	QPSK	50	0	Band 66	20M	2139.8	66734	20.53	20.69
	Non-Contiguous	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	50	Band 2	5M	1987.5	1175	21.11	21.15
		CA_4A-4A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	2152.5	2375	20.49	20.55
		CA_7A-7A	Band 7	20M	2535	21100	QPSK	50	50	Band 7	5M	2687.5	3425	17.42	17.49
		CA_25A-25A	Band 25	20M	1882.5	26340	QPSK	1	50	Band 25	5M	1992.5	8665	21.08	21.12
		CA_66A-66A	Band 66	20M	1720	132072	QPSK	50	0	Band 66	5M	2197.5	67311	20.52	20.69

Power Level C1

Configure		CA List	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	Without CA Tx Power (dBm)
Inter-Band		CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	50	Band 4	20M	2132.5	2175	22.72	22.75
		CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	50	Band 5	10M	881.5	2525	22.69	22.75
		CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	50	Band 7	20M	2655.0	3100	22.64	22.75
		CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	50	Band 12	10M	737.5	5095	22.71	22.75
		CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	50	Band 13	10M	751.0	5230	22.65	22.75
		CA_2A-17A	Band 2	10M	1880	18900	QPSK	1	50	Band 17	10M	740.0	5790	22.66	22.75
		CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	50	Band 29	10M	722.5	9715	22.70	22.75
		CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	50	Band 66	20M	2155.0	66886	22.68	22.75
		CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	50	Band 71	20M	637.0	68786	22.71	22.75
		CA_4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 5	10M	881.5	2525	22.08	22.13
		CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	2655.0	3100	22.04	22.13
		CA_4A-12A	Band 4	20M	1720	20050	QPSK	1	0	Band 12	10M	737.5	5095	22.05	22.13
		CA_4A-13A	Band 4	20M	1720	20050	QPSK	1	0	Band 13	10M	751.0	5230	22.11	22.13
		CA_4A-17A	Band 4	20M	1720	20000	QPSK	1	0	Band 17	10M	740.0	5790	22.10	22.13
		CA_4A-29A	Band 4	20M	1720	20050	QPSK	1	0	Band 29	20M	637.0	68786	22.04	22.13
		CA_4A-71A	Band 4	20M	1720	20050	QPSK	1	0	Band 71	10M	722.5	9715	22.07	22.13
		CA_5A-7A	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	2655	3100	23.08	23.13
		CA_5A-25A	Band 5	10M	829	20450	QPSK	1	0	Band 25	20M	1962.5	8365	23.04	23.13
		CA_5A-66A	Band 5	10M	829	20450	QPSK	1	0	Band 66	20M	2155	66886	23.05	23.13
		CA_7A-12A	Band 7	20M	2535	21100	QPSK	50	50	Band 12	10M	737.5	5095	18.09	18.28
		CA_7A-13A	Band 7	20M	2535	21100	QPSK	50	50	Band 13	10M	751.0	5230	18.05	18.28
		CA_7A-26A	Band 7	20M	2535	21100	QPSK	50	50	Band 26	15M	876.5	8865	18.07	18.28
		CA_7A-29A	Band 7	20M	2535	21100	QPSK	50	50	Band 29	20M	637.0	68786	18.10	18.28
		CA_7A-66A	Band 7	20M	2535	21100	QPSK	50	50	Band 66	20M	2155	66886	18.06	18.28
		CA_12A-25A	Band 12	10M	707.5	23095	QPSK	1	49	Band 25	20M	1962.5	8365	22.76	22.83
		CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	22.80	22.83
		CA_13A-66A	Band 13	10M	782	23230	QPSK	1	49	Band 66	20M	2155	66886	22.87	22.90
		CA_25A-26A	Band 25	20M	1882.5	26340	QPSK	1	50	Band 26	15M	876.5	8865	22.68	22.71
		CA_25A-66A	Band 25	20M	1882.5	26340	QPSK	1	50	Band 66	20M	2155	66886	22.65	22.71
		CA_29A-66A	Band 66	20M	1720	132072	QPSK	50	0	Band 29	10M	722.5	9715	22.15	22.20
		CA_66A-71A	Band 66	20M	1720	132072	QPSK	1	0	Band 71	10M	722.5	9715	22.18	22.20
Intra-Band	Contiguous	CA_7C	Band 7	20M	2535	21100	QPSK	50	50	Band 7	20M	2674.8	3298	18.06	18.28
		CA_66B	Band 66	15M	1717.5	132047	QPSK	1	0	Band 66	5M	2121.8	66554	22.06	22.10
		CA_66C	Band 66	20M	1720	132072	QPSK	1	0	Band 66	20M	2139.8	66734	22.13	22.20
	Non-Contiguous	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	50	Band 2	5M	1987.5	1175	22.70	22.75
		CA_4A-4A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	2152.5	2375	22.68	22.13
		CA_7A-7A	Band 7	20M	2535	21100	QPSK	50	50	Band 7	5M	2687.5	3425	18.04	18.28
		CA_25A-25A	Band 25	20M	1882.5	26340	QPSK	1	50	Band 25	5M	1992.5	8665	22.67	22.71
		CA_66A-66A	Band 66	20M	1720	132072	QPSK	1	0	Band 66	5M	2197.5	67311	22.13	22.20

10.3. NR Measurement result

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS 138.521-1 specification.
UE Power Class: 3 (23 +/-2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specification in Table 6.2.3-1 of the 3GPP TS138.521-1.

Table 6.2.2.3-1: Maximum power reduction (MPR) for power class 3

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

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

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

The allowed A-MPR values specified below in Table 6.2.3.3.1-1 of 3GPP TS138.521-1 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01"

Table 6.2.3.3.1-1: Additional maximum power reduction (A-MPR)

Network Signaling label	Requirements (subclause)	NR Band	Channel Bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01		Table 5.3.2-1	5,10,15,20,25,30 ,40,50,60,80,90,100	Table 5.3.2-1	N/A

NR Band n41 SA and NSA

Power Level A1/A2				
NR n41 PC3				
Max Power	Duty cycle	TX power	Calculation -10*log (Duty cycle)	Time Average power (dBm)
23.0	1%-10%	23.0	-10.0	13.0
23.0	11%-20%	23.0	-7.0	16.0
23.0	21%-30%	23.0	-5.2	17.8
23.0	31%-40%	23.0	-4.0	19.0
23.0	41%-50%	22.0	-3.0	19.0
23.0	51%-60%	21.2	-2.2	19.0
23.0	61%-70%	20.5	-1.5	19.0
23.0	71%-80%	20.0	-1.0	19.0
23.0	81%-90%	19.5	-0.5	19.0
23.0	91%-100%	19.5	0.0	19.5

Power Level B1/B2				
NR n41 PC3				
Max Power	Duty cycle	TX power	Calculation -10*log (Duty cycle)	Time Average power (dBm)
23.0	1%-10%	23.0	-10.0	13.0
23.0	11%-20%	23.0	-7.0	16.0
23.0	21%-30%	22.5	-5.2	17.3
23.0	31%-40%	21.5	-4.0	17.5
23.0	41%-50%	20.5	-3.0	17.5
23.0	51%-60%	19.7	-2.2	17.5
23.0	61%-70%	19.0	-1.5	17.5
23.0	71%-80%	18.5	-1.0	17.5
23.0	81%-90%	18.0	-0.5	17.5
23.0	91%-100%	18.0	0.0	18.0

Power Level C1/C2				
NR n41 PC3				
Max Power	Duty cycle	TX power	Calculation -10*log (Duty cycle)	Time Average power (dBm)
23.0	1%-10%	23.0	-10.0	13.0
23.0	11%-20%	23.0	-7.0	16.0
23.0	21%-30%	23.0	-5.2	17.8
23.0	31%-40%	23.0	-4.0	19.0
23.0	41%-50%	22.5	-3.0	19.5
23.0	51%-60%	21.7	-2.2	19.5
23.0	61%-70%	21.0	-1.5	19.5
23.0	71%-80%	20.5	-1.0	19.5
23.0	81%-90%	20.0	-0.5	19.5
23.0	91%-100%	20.0	0.0	20.0

NR Band n77 SA and NSA

Power Level A1/A2				
NR n77 PC3				
Max Power	Duty cycle	TX power	Calculation -10*log (Duty cycle)	Time Average power (dBm)
23.0	1%-10%	23.0	-10.0	13.0
23.0	11%-20%	23.0	-7.0	16.0
23.0	21%-30%	23.0	-5.2	17.8
23.0	31%-40%	22.0	-4.0	18.0
23.0	41%-50%	21.0	-3.0	18.0
23.0	51%-60%	20.2	-2.2	18.0
23.0	61%-70%	19.5	-1.5	18.0
23.0	71%-80%	19.0	-1.0	18.0
23.0	81%-90%	18.5	-0.5	18.0
23.0	91%-100%	18.5	0.0	18.5

Power Level B1				
NR n77 PC3				
Max Power	Duty cycle	TX power	Calculation -10*log (Duty cycle)	Time Average power (dBm)
23.0	1%-10%	23.0	-10.0	13.0
23.0	11%-20%	23.0	-7.0	16.0
23.0	21%-30%	23.0	-5.2	17.8
23.0	31%-40%	23.0	-4.0	19.0
23.0	41%-50%	23.0	-3.0	20.0
23.0	51%-60%	22.7	-2.2	20.5
23.0	61%-70%	22.0	-1.5	20.5
23.0	71%-80%	21.5	-1.0	20.5
23.0	81%-90%	21.0	-0.5	20.5
23.0	91%-100%	21.0	0.0	21.0

Power Level B2				
NR n77 PC3				
Max Power	Duty cycle	TX power	Calculation -10*log (Duty cycle)	Time Average power (dBm)
23.0	1%-10%	23.0	-10.0	13.0
23.0	11%-20%	23.0	-7.0	16.0
23.0	21%-30%	23.0	-5.2	17.8
23.0	31%-40%	22.5	-4.0	18.5
23.0	41%-50%	21.5	-3.0	18.5
23.0	51%-60%	20.7	-2.2	18.5
23.0	61%-70%	20.0	-1.5	18.5
23.0	71%-80%	19.5	-1.0	18.5
23.0	81%-90%	19.0	-0.5	18.5
23.0	91%-100%	19.0	0.0	19.0

Power Level C1/C2				
NR n77 PC3				
Max Power	Duty cycle	TX power	Calculation -10*log (Duty cycle)	Time Average power (dBm)
23.0	1%-10%	23.0	-10.0	13.0
23.0	11%-20%	23.0	-7.0	16.0
23.0	21%-30%	23.0	-5.2	17.8
23.0	31%-40%	23.0	-4.0	19.0
23.0	41%-50%	22.0	-3.0	19.0
23.0	51%-60%	21.2	-2.2	19.0
23.0	61%-70%	20.5	-1.5	19.0
23.0	71%-80%	20.0	-1.0	19.0
23.0	81%-90%	19.5	-0.5	19.0
23.0	91%-100%	19.5	0.0	19.5

Table 10.5: The conducted Power for NR

Power Level A1							
NR n5						Tune up: 22.5	
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	21.39
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	21.37
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	21.36
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839.0	167800	21.33
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	**21.39**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834.0	166800	21.36
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	836.5	167300	21.27
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	836.5	167300	21.30
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	836.5	167300	20.32
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	836.5	167300	18.53
15	20	CP-OFDM QPSK	Inner_Full	53@26	836.5	167300	21.22
15	20	CP-OFDM 16QAM	Inner_Full	53@26	836.5	167300	20.79
15	20	CP-OFDM 64QAM	Inner_Full	53@26	836.5	167300	19.27
15	20	CP-OFDM 256QAM	Inner_Full	53@26	836.5	167300	16.32
15	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@104	836.5	167300	21.29
15	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	836.5	167300	21.22
15	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@104	836.5	167300	21.29
15	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	836.5	167300	21.21
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	836.5	167300	21.09
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	836.5	167300	21.28
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	836.5	167300	21.08

Power Level A2							
NR n5						Tune up: 21.0	
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	19.87
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	19.85
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	19.83
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839.0	167800	19.84
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	**19.89**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834.0	166800	19.88
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	836.5	167300	19.67
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	836.5	167300	19.75
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	836.5	167300	19.82
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	836.5	167300	18.43
15	20	CP-OFDM QPSK	Inner_Full	53@26	836.5	167300	19.73
15	20	CP-OFDM 16QAM	Inner_Full	53@26	836.5	167300	19.70
15	20	CP-OFDM 64QAM	Inner_Full	53@26	836.5	167300	19.22
15	20	CP-OFDM 256QAM	Inner_Full	53@26	836.5	167300	16.27
15	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@104	836.5	167300	19.67
15	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	836.5	167300	19.72
15	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@104	836.5	167300	19.59
15	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	836.5	167300	19.76
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	836.5	167300	19.75
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	836.5	167300	19.82
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	836.5	167300	19.58

Power Level B1/B2/C1/C2							
NR n5						Tune up: 24.5	
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	22.94
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	836.5	167300	22.95
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	826.5	165300	22.93
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	839.0	167800	22.88
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	836.5	167300	**22.97**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	834.0	166800	22.93
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	836.5	167300	22.96
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	836.5	167300	21.89
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	836.5	167300	20.37
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	836.5	167300	18.55
15	20	CP-OFDM QPSK	Inner_Full	53@26	836.5	167300	21.36
15	20	CP-OFDM 16QAM	Inner_Full	53@26	836.5	167300	20.81
15	20	CP-OFDM 64QAM	Inner_Full	53@26	836.5	167300	19.28
15	20	CP-OFDM 256QAM	Inner_Full	53@26	836.5	167300	16.44
15	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@104	836.5	167300	21.79
15	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	836.5	167300	21.76
15	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@104	836.5	167300	22.73
15	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	836.5	167300	22.78
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	836.5	167300	21.85
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	836.5	167300	22.76
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	836.5	167300	22.93

Power Level A1/C1							
NR n7						Tune up: 19.3	
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	18.23
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535.0	507000	18.26
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	18.35
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560.0	512000	18.41
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535.0	507000	**18.48**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510.0	502000	18.39
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2535.0	507000	18.20
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	2535.0	507000	18.36
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	2535.0	507000	18.28
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	2535.0	507000	18.14
15	20	CP-OFDM QPSK	Inner_Full	50@25	2535.0	507000	18.36
15	20	CP-OFDM 16QAM	Inner_Full	50@25	2535.0	507000	18.36
15	20	CP-OFDM 64QAM	Inner_Full	50@25	2535.0	507000	18.36
15	20	CP-OFDM 256QAM	Inner_Full	50@25	2535.0	507000	16.45
15	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@104	2535.0	507000	18.17
15	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	2535.0	507000	18.29
15	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@104	2535.0	507000	18.18
15	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	2535.0	507000	18.19
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	2535.0	507000	18.30
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	2535.0	507000	18.21
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	2535.0	507000	18.37

Power Level B1							
NR n7						Tune up: 18.5	
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	17.95
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2535.0	507000	17.84
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	2502.5	500500	17.92
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2560.0	512000	17.93
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2535.0	507000	**18.00**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	2510.0	502000	17.91
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	2535.0	507000	17.73
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	2535.0	507000	17.77
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	2535.0	507000	17.88
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	2535.0	507000	17.97
15	20	CP-OFDM QPSK	Inner_Full	50@25	2535.0	507000	17.91
15	20	CP-OFDM 16QAM	Inner_Full	50@25	2535.0	507000	17.94
15	20	CP-OFDM 64QAM	Inner_Full	50@25	2535.0	507000	17.92
15	20	CP-OFDM 256QAM	Inner_Full	50@25	2535.0	507000	16.44
15	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@104	2535.0	507000	17.81
15	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	2535.0	507000	17.74
15	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@104	2535.0	507000	17.81
15	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	2535.0	507000	17.79
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	2535.0	507000	17.86
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	2535.0	507000	17.85
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	2535.0	507000	17.88

Power Level A1/A2							
NR n25						Tune up: 19.8	
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	18.61
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	18.53
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	18.53
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905.0	381000	18.77
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	**18.81**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860.0	372000	18.74
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1882.5	376500	18.60
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	1882.5	376500	18.77
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	1882.5	376500	18.74
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	1882.5	376500	18.70
15	20	CP-OFDM QPSK	Inner_Full	53@26	1882.5	376500	18.60
15	20	CP-OFDM 16QAM	Inner_Full	53@26	1882.5	376500	18.58
15	20	CP-OFDM 64QAM	Inner_Full	53@26	1882.5	376500	18.71
15	20	CP-OFDM 256QAM	Inner_Full	53@26	1882.5	376500	17.15
15	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@104	1882.5	376500	18.60
15	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	1882.5	376500	18.59
15	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@104	1882.5	376500	18.70
15	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	1882.5	376500	18.55
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	1882.5	376500	18.62
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	18.62
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	18.55

Power Level B1/C1							
NR n25						Tune up: 24.8	
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	23.88
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	23.84
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	23.73
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905.0	381000	23.75
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	**23.92**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860.0	372000	23.76
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1882.5	376500	23.90
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	1882.5	376500	22.77
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	1882.5	376500	21.31
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	1882.5	376500	19.30
15	20	CP-OFDM QPSK	Inner_Full	53@26	1882.5	376500	22.30
15	20	CP-OFDM 16QAM	Inner_Full	53@26	1882.5	376500	21.75
15	20	CP-OFDM 64QAM	Inner_Full	53@26	1882.5	376500	20.24
15	20	CP-OFDM 256QAM	Inner_Full	53@26	1882.5	376500	17.21
15	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@104	1882.5	376500	22.69
15	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	1882.5	376500	22.62
15	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@104	1882.5	376500	23.69
15	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	1882.5	376500	23.56
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	1882.5	376500	22.73
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	23.69
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	23.81

Power Level B2							
NR n25						Tune up: 21.8	
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	20.75
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	20.77
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	20.76
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905.0	381000	20.82
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	**20.84**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860.0	372000	20.77
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1882.5	376500	20.61
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	1882.5	376500	20.55
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	1882.5	376500	20.62
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	1882.5	376500	19.29
15	20	CP-OFDM QPSK	Inner_Full	53@26	1882.5	376500	20.76
15	20	CP-OFDM 16QAM	Inner_Full	53@26	1882.5	376500	20.73
15	20	CP-OFDM 64QAM	Inner_Full	53@26	1882.5	376500	20.19
15	20	CP-OFDM 256QAM	Inner_Full	53@26	1882.5	376500	17.19
15	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@104	1882.5	376500	20.57
15	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	1882.5	376500	20.73
15	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@104	1882.5	376500	20.74
15	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	1882.5	376500	20.61
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	20.78

Power Level C2							
NR n25						Tune up: 22.8	
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	21.56
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1882.5	376500	21.71
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1852.5	370500	21.65
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1905.0	381000	21.79
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1882.5	376500	**21.85**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1860.0	372000	21.81
15	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	1882.5	376500	21.70
15	20	DFT-s-OFDM 16QAM	Inner_Full	50@25	1882.5	376500	21.77
15	20	DFT-s-OFDM 64QAM	Inner_Full	50@25	1882.5	376500	21.32
15	20	DFT-s-OFDM 256QAM	Inner_Full	50@25	1882.5	376500	19.30
15	20	CP-OFDM QPSK	Inner_Full	53@26	1882.5	376500	21.66
15	20	CP-OFDM 16QAM	Inner_Full	53@26	1882.5	376500	21.65
15	20	CP-OFDM 64QAM	Inner_Full	53@26	1882.5	376500	20.22
15	20	CP-OFDM 256QAM	Inner_Full	53@26	1882.5	376500	17.20
15	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@104	1882.5	376500	21.56
15	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	1882.5	376500	21.58
15	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@104	1882.5	376500	21.78
15	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	1882.5	376500	21.79
15	20	DFT-s-OFDM QPSK	Outer_Full	100@0	1882.5	376500	21.74
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1882.5	376500	21.78
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1882.5	376500	21.56

Power Level A1/A2							
NR n41						Tune up: 19.5	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2680.0	535998	18.70
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2593.0	518598	18.66
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.0	501204	18.67
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.0	528000	18.73
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2593.0	518598	**18.76**
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.0	509202	18.74
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	2593.0	518598	18.50
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	2593.0	518598	18.57
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	2593.0	518598	18.69
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	2593.0	518598	18.65
30	100	CP-OFDM QPSK	Inner_Full	137@68	2593.0	518598	18.72
30	100	CP-OFDM 16QAM	Inner_Full	137@68	2593.0	518598	18.49
30	100	CP-OFDM 64QAM	Inner_Full	137@68	2593.0	518598	18.71
30	100	CP-OFDM 256QAM	Inner_Full	137@68	2593.0	518598	16.22
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	2593.0	518598	18.67
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	2593.0	518598	18.70
30	100	DFT-s-OFDM QPSK	Inner_1RB _Right	1@271	2593.0	518598	18.50
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	2593.0	518598	18.49
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	2593.0	518598	18.71
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	2593.0	518598	18.54
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2593.0	518598	18.70
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	2593.0	518598	18.72
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2593.0	518598	18.70
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	2593.0	518598	18.60
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	2593.0	518598	18.58
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	2593.0	518598	18.59

Power Level B1/B2							
NR n41						Tune up: 18.0	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2680.0	535998	17.07
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2593.0	518598	17.13
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.0	501204	17.05
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.0	528000	17.21
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2593.0	518598	17.24
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.0	509202	17.23
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	2593.0	518598	17.21
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	2593.0	518598	17.21
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	2593.0	518598	17.06
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	2593.0	518598	17.02
30	100	CP-OFDM QPSK	Inner_Full	137@68	2593.0	518598	17.09
30	100	CP-OFDM 16QAM	Inner_Full	137@68	2593.0	518598	17.12
30	100	CP-OFDM 64QAM	Inner_Full	137@68	2593.0	518598	17.20
30	100	CP-OFDM 256QAM	Inner_Full	137@68	2593.0	518598	16.21
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	2593.0	518598	17.04
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	2593.0	518598	17.22
30	100	DFT-s-OFDM QPSK	Inner_1RB _Right	1@271	2593.0	518598	17.22
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	2593.0	518598	17.19
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	2593.0	518598	17.14
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	2593.0	518598	17.18
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2593.0	518598	17.18
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	2593.0	518598	17.11
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2593.0	518598	17.12
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	2593.0	518598	17.02
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	2593.0	518598	17.01
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	2593.0	518598	17.21

Power Level C1/C2							
NR n41						Tune up: 20.0	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2680.0	535998	19.21
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2593.0	518598	19.15
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	2506.0	501204	19.17
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2640.0	528000	19.24
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2593.0	518598	19.27
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	2546.0	509202	19.25
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	2593.0	518598	19.22
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	2593.0	518598	19.06
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	2593.0	518598	19.14
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	2593.0	518598	18.31
30	100	CP-OFDM QPSK	Inner_Full	137@68	2593.0	518598	19.13
30	100	CP-OFDM 16QAM	Inner_Full	137@68	2593.0	518598	19.10
30	100	CP-OFDM 64QAM	Inner_Full	137@68	2593.0	518598	19.10
30	100	CP-OFDM 256QAM	Inner_Full	137@68	2593.0	518598	16.23
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	2593.0	518598	19.09
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	2593.0	518598	19.00
30	100	DFT-s-OFDM QPSK	Inner_1RB _Right	1@271	2593.0	518598	19.00
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	2593.0	518598	19.19
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	2593.0	518598	19.14
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	2593.0	518598	19.07
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	2593.0	518598	19.17
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	2593.0	518598	19.18
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	2593.0	518598	19.13
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	2593.0	518598	19.22
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	2593.0	518598	19.22
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	2593.0	518598	19.05

Power Level A1							
NR n66						Tune up: 20.5	
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	19.67
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745.0	349000	19.54
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	19.64
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1760.0	352000	19.72
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745.0	349000	**19.78**
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1730.0	346000	19.76
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	1745.0	349000	19.70
15	40	DFT-s-OFDM 16QAM	Inner_Full	108@54	1745.0	349000	19.72
15	40	DFT-s-OFDM 64QAM	Inner_Full	108@54	1745.0	349000	19.59
15	40	DFT-s-OFDM 256QAM	Inner_Full	108@54	1745.0	349000	18.64
15	40	CP-OFDM QPSK	Inner_Full	108@54	1745.0	349000	19.67
15	40	CP-OFDM 16QAM	Inner_Full	108@54	1745.0	349000	19.55
15	40	CP-OFDM 64QAM	Inner_Full	108@54	1745.0	349000	19.54
15	40	CP-OFDM 256QAM	Inner_Full	108@54	1745.0	349000	16.73
15	40	DFT-s-OFDM QPSK	Edge_Full _Right	2@214	1745.0	349000	19.65
15	40	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	1745.0	349000	19.68
15	40	DFT-s-OFDM QPSK	Inner_1RB _Right	1@214	1745.0	349000	19.57
15	40	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	1745.0	349000	19.51
15	40	DFT-s-OFDM QPSK	Outer_Full	216@0	1745.0	349000	19.61
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745.0	349000	19.72
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745.0	349000	19.70
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745.0	349000	19.62
15	25	DFT-s-OFDM QPSK	Inner_Full	64@32	1745.0	349000	19.58
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745.0	349000	19.74

Power Level A2							
NR n66						Tune up: 19.5	
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	18.08
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745.0	349000	18.21
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	18.03
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1760.0	352000	18.22
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745.0	349000	18.29
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1730.0	346000	18.27
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	1745.0	349000	18.26
15	40	DFT-s-OFDM 16QAM	Inner_Full	108@54	1745.0	349000	18.14
15	40	DFT-s-OFDM 64QAM	Inner_Full	108@54	1745.0	349000	18.25
15	40	DFT-s-OFDM 256QAM	Inner_Full	108@54	1745.0	349000	18.11
15	40	CP-OFDM QPSK	Inner_Full	108@54	1745.0	349000	18.07
15	40	CP-OFDM 16QAM	Inner_Full	108@54	1745.0	349000	18.13
15	40	CP-OFDM 64QAM	Inner_Full	108@54	1745.0	349000	18.04
15	40	CP-OFDM 256QAM	Inner_Full	108@54	1745.0	349000	16.72
15	40	DFT-s-OFDM QPSK	Edge_Full _Right	2@214	1745.0	349000	18.20
15	40	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	1745.0	349000	18.14
15	40	DFT-s-OFDM QPSK	Inner_1RB _Right	1@214	1745.0	349000	18.25
15	40	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	1745.0	349000	18.05
15	40	DFT-s-OFDM QPSK	Outer_Full	216@0	1745.0	349000	18.14
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745.0	349000	18.13
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745.0	349000	18.18
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745.0	349000	18.09
15	25	DFT-s-OFDM QPSK	Inner_Full	64@32	1745.0	349000	18.14
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745.0	349000	18.07

Power Level B1/B2/C1/C2							
NR n66						Tune up: 24.5	
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	23.31
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745.0	349000	23.29
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	23.31
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1760.0	352000	23.27
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745.0	349000	**23.34**
15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1730.0	346000	23.33
15	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	1745.0	349000	23.28
15	40	DFT-s-OFDM 16QAM	Inner_Full	108@54	1745.0	349000	22.15
15	40	DFT-s-OFDM 64QAM	Inner_Full	108@54	1745.0	349000	20.74
15	40	DFT-s-OFDM 256QAM	Inner_Full	108@54	1745.0	349000	18.69
15	40	CP-OFDM QPSK	Inner_Full	108@54	1745.0	349000	21.71
15	40	CP-OFDM 16QAM	Inner_Full	108@54	1745.0	349000	21.18
15	40	CP-OFDM 64QAM	Inner_Full	108@54	1745.0	349000	19.67
15	40	CP-OFDM 256QAM	Inner_Full	108@54	1745.0	349000	16.77
15	40	DFT-s-OFDM QPSK	Edge_Full _Right	2@214	1745.0	349000	21.67
15	40	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	1745.0	349000	21.74
15	40	DFT-s-OFDM QPSK	Inner_1RB _Right	1@214	1745.0	349000	22.62
15	40	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	1745.0	349000	22.67
15	40	DFT-s-OFDM QPSK	Outer_Full	216@0	1745.0	349000	22.04
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745.0	349000	23.10
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745.0	349000	23.24
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745.0	349000	23.28
15	25	DFT-s-OFDM QPSK	Inner_Full	64@32	1745.0	349000	23.23
15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745.0	349000	23.22

Power Level A1/A2/B1/B2/C1/C2							
NR n71						Tune up: 24.5	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	695.5	139100	23.39
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	680.5	136100	23.45
15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	665.5	133100	23.44
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	688.0	137600	23.42
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	680.5	136100	**23.46**
15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	673.0	134600	23.39
15	5	DFT-s-OFDM PI/2 BPSK	Inner_Full	12@6	665.5	133100	23.44
15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	665.5	133100	22.37
15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	665.5	133100	21.02
15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	665.5	133100	18.98
15	5	CP-OFDM QPSK	Inner_Full	13@6	665.5	133100	21.81
15	5	CP-OFDM 16QAM	Inner_Full	13@6	665.5	133100	21.43
15	5	CP-OFDM 64QAM	Inner_Full	13@6	665.5	133100	19.92
15	5	CP-OFDM 256QAM	Inner_Full	13@6	665.5	133100	16.91
15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	665.5	133100	23.34
15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	665.5	133100	22.23
15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	665.5	133100	23.31
15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	665.5	133100	22.17
15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	665.5	133100	22.26
15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	668.0	133600	23.22
15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	670.5	134100	23.38

Power Level A1/A2							
NR n77 Part 27Q						Tune up: 18.5	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3545.0	636333	17.53
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3500.0	633334	17.17
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3455.0	630335	17.02
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.0	633334	18.21
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	3500.0	633334	18.01
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3500.0	633334	18.04
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3500.0	633334	18.02
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3500.0	633334	18.09
30	100	CP-OFDM QPSK	Inner_Full	135@67	3500.0	633334	18.09
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3500.0	633334	18.20
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3500.0	633334	18.10
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3500.0	633334	17.62
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	3500.0	633334	18.00
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3500.0	633334	18.06
30	100	DFT-s-OFDM QPSK	Inner_1RB_ Right	1@271	3500.0	633334	18.05
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.0	633334	18.17
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3500.0	633334	18.04
30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3500.0	633334	18.08
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.0	633334	18.10
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.0	633334	18.07
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.0	633334	18.01
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.0	633334	18.12
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3500.0	633334	18.20
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.0	633334	18.03
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.0	633334	18.19

Power Level B1							
NR n77 Part 27Q						Tune up: 21.0	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3545.0	636333	19.87
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3500.0	633334	19.67
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3455.0	630335	19.56
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.0	633334	**20.56**
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	3500.0	633334	20.45
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3500.0	633334	20.55
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3500.0	633334	20.38
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3500.0	633334	19.71
30	100	CP-OFDM QPSK	Inner_Full	135@67	3500.0	633334	20.50
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3500.0	633334	20.52
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3500.0	633334	20.33
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3500.0	633334	17.63
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	3500.0	633334	20.40
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3500.0	633334	20.39
30	100	DFT-s-OFDM QPSK	Inner_1RB_ Right	1@271	3500.0	633334	20.39
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.0	633334	20.43
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3500.0	633334	20.38
30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3500.0	633334	20.34
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.0	633334	20.44
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.0	633334	20.32
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.0	633334	20.37
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.0	633334	20.33
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3500.0	633334	20.33
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.0	633334	20.35
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.0	633334	20.53

Power Level B2							
NR n77 Part 27Q						Tune up: 19.0	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3545.0	636333	18.02
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3500.0	633334	17.66
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3455.0	630335	17.53
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.0	633334	18.71
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	3500.0	633334	18.50
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3500.0	633334	18.68
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3500.0	633334	18.54
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3500.0	633334	18.65
30	100	CP-OFDM QPSK	Inner_Full	135@67	3500.0	633334	18.52
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3500.0	633334	18.62
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3500.0	633334	18.68
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3500.0	633334	17.38
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	3500.0	633334	18.49
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3500.0	633334	18.56
30	100	DFT-s-OFDM QPSK	Inner_1RB_ Right	1@271	3500.0	633334	18.65
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.0	633334	18.48
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3500.0	633334	18.58
30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3500.0	633334	18.68
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.0	633334	18.48
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.0	633334	18.63
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.0	633334	18.65
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.0	633334	18.52
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3500.0	633334	18.50
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.0	633334	18.61
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.0	633334	18.67

Power Level C1/C2							
NR n77 Part 27Q						Tune up: 19.5	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3545.0	636333	18.50
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3500.0	633334	18.15
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3455.0	630335	18.04
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.0	633334	19.20
30	100	DFT-s-OFDM PI/2 BPSK	Inner_Full	135@67	3500.0	633334	18.98
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3500.0	633334	19.17
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3500.0	633334	19.12
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3500.0	633334	19.16
30	100	CP-OFDM QPSK	Inner_Full	135@67	3500.0	633334	19.19
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3500.0	633334	19.11
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3500.0	633334	19.18
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3500.0	633334	17.62
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	3500.0	633334	19.11
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3500.0	633334	19.17
30	100	DFT-s-OFDM QPSK	Inner_1RB_ Right	1@271	3500.0	633334	19.19
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.0	633334	19.12
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3500.0	633334	19.05
30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3500.0	633334	19.15
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.0	633334	19.11
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.0	633334	19.01
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.0	633334	19.05
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.0	633334	19.18
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3500.0	633334	18.98
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.0	633334	18.98
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.0	633334	19.06

Power Level A1/A2							
NR n77 Part 27O						Tune up: 18.5	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3975.0	665000	16.63
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3840.0	656000	17.67
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3715.0	647667	16.69
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.0	662000	17.74
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3840.0	656000	**18.40**
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.0	650000	17.83
30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135@67	3840.0	656000	18.19
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3840.0	656000	18.17
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3840.0	656000	18.18
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3840.0	656000	18.17
30	100	CP-OFDM QPSK	Inner_Full	135@67	3840.0	656000	18.35
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3840.0	656000	18.15
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3840.0	656000	18.24
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3840.0	656000	18.03
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	3840.0	656000	18.22
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3840.0	656000	18.34
30	100	DFT-s-OFDM QPSK	Inner_1RB _Right	1@271	3840.0	656000	18.24
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3840.0	656000	18.15
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3840.0	656000	18.35
30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3840.0	656000	18.19
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840.0	656000	18.19
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840.0	656000	18.19
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3840.0	656000	18.28
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840.0	656000	18.32
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3840.0	656000	18.29
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840.0	656000	18.30
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3840.0	656000	18.30

Power Level B1							
NR n77 Part 27O						Tune up: 21.0	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3975.0	665000	19.05
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3840.0	656000	20.08
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3715.0	647667	19.05
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.0	662000	20.27
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3840.0	656000	**20.96**
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.0	650000	20.22
30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135@67	3840.0	656000	20.68
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3840.0	656000	20.71
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3840.0	656000	20.66
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3840.0	656000	20.17
30	100	CP-OFDM QPSK	Inner_Full	135@67	3840.0	656000	20.67
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3840.0	656000	20.74
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3840.0	656000	20.82
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3840.0	656000	18.09
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	3840.0	656000	20.64
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3840.0	656000	20.59
30	100	DFT-s-OFDM QPSK	Inner_1RB _Right	1@271	3840.0	656000	20.65
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3840.0	656000	20.70
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3840.0	656000	20.80
30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3840.0	656000	20.70
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840.0	656000	20.81
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840.0	656000	20.73
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3840.0	656000	20.79
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840.0	656000	20.83
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3840.0	656000	20.59
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840.0	656000	20.74
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3840.0	656000	20.72

Power Level B2							
NR n77 Part 27O						Tune up: 19.0	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3975.0	665000	17.14
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3840.0	656000	18.11
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3715.0	647667	17.18
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.0	662000	18.25
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3840.0	656000	**18.92**
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.0	650000	18.27
30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135@67	3840.0	656000	18.89
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3840.0	656000	18.86
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3840.0	656000	18.70
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3840.0	656000	18.91
30	100	CP-OFDM QPSK	Inner_Full	135@67	3840.0	656000	18.80
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3840.0	656000	18.82
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3840.0	656000	18.69
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3840.0	656000	18.06
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	3840.0	656000	18.88
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3840.0	656000	18.81
30	100	DFT-s-OFDM QPSK	Inner_1RB _Right	1@271	3840.0	656000	18.73
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3840.0	656000	18.79
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3840.0	656000	18.91
30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3840.0	656000	18.86
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840.0	656000	18.83
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840.0	656000	18.88
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3840.0	656000	18.71
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840.0	656000	18.81
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3840.0	656000	18.86
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840.0	656000	18.79
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3840.0	656000	18.86

Power Level C1/C2							
NR n77 Part 27O						Tune up: 19.5	
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3975.0	665000	17.65
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3840.0	656000	18.54
30	10	DFT-s-OFDM QPSK	Inner_Full	12@6	3715.0	647667	17.67
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.0	662000	18.76
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3840.0	656000	**19.43**
30	50	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.0	650000	18.70
30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135@67	3840.0	656000	19.33
30	100	DFT-s-OFDM 16QAM	Inner_Full	135@67	3840.0	656000	19.37
30	100	DFT-s-OFDM 64QAM	Inner_Full	135@67	3840.0	656000	19.39
30	100	DFT-s-OFDM 256QAM	Inner_Full	135@67	3840.0	656000	19.21
30	100	CP-OFDM QPSK	Inner_Full	135@67	3840.0	656000	19.36
30	100	CP-OFDM 16QAM	Inner_Full	135@67	3840.0	656000	19.26
30	100	CP-OFDM 64QAM	Inner_Full	135@67	3840.0	656000	19.18
30	100	CP-OFDM 256QAM	Inner_Full	135@67	3840.0	656000	18.07
30	100	DFT-s-OFDM QPSK	Edge_Full _Right	2@271	3840.0	656000	19.37
30	100	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3840.0	656000	19.30
30	100	DFT-s-OFDM QPSK	Inner_1RB _Right	1@271	3840.0	656000	19.29
30	100	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3840.0	656000	19.41
30	100	DFT-s-OFDM QPSK	Outer_Full	270@0	3840.0	656000	19.23
30	15	DFT-s-OFDM QPSK	Inner_Full	18@9	3840.0	656000	19.35
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840.0	656000	19.39
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840.0	656000	19.23
30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3840.0	656000	19.36
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840.0	656000	19.28
30	70	DFT-s-OFDM QPSK	Inner_Full	90@45	3840.0	656000	19.38
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840.0	656000	19.21
30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3840.0	656000	19.35

10.4. Bluetooth and WLAN Measurement result

Table 10.6: The conducted Power measurement results for Bluetooth

Averaged Power (dBm)				
Mode	**Tune up**	Ch.0 (2402MHz)	Ch.39 (2441MHz)	Ch.78 (2480MHz)
GFSK	**10.0**	8.78	9.45	**9.46**
EDR2M-4_DQPSK	**9.0**	7.90	8.11	8.59
EDR3M-8DPSK	**9.0**	7.84	8.06	8.54
/	**/**	Ch.0 (2402MHz)	Ch.19 (2440MHz)	Ch.39 (2480MHz)
BLE(1M)	**-2.0**	-4.45	-2.82	-3.74
BLE(2M)	**-2.0**	-4.43	-2.84	-3.77

Table 10.7: The conducted Power measurement results for WLAN 2.4GHz

Power Level D1				
Averaged Power (dBm) Duty Cycle: **100%**				
Mode	**Tune up**	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)
802.11b	**18.0**	**17.42**	17.16	16.91
802.11g	**17.0**	16.36	16.11	15.83
802.11n(20MHz)	**17.0**	16.23	16.03	15.73
/	**/**	Ch.3 (2422MHz)	Ch.6 (2437MHz)	Ch.9 (2452MHz)
802.11n(40MHz)	**17.0**	15.89	15.73	15.59
Power Level D2/E1/E2/F2				
Averaged Power (dBm) Duty Cycle: **100%**				
Mode	**Tune up**	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)
802.11b	**12.0**	**11.50**	10.97	10.67
802.11g	**11.0**	10.59	10.24	9.92
802.11n(20MHz)	**10.5**	10.13	9.83	9.36
/	**/**	Ch.3 (2422MHz)	Ch.6 (2437MHz)	Ch.9 (2452MHz)
802.11n(40MHz)	**10.5**	9.96	9.70	9.53
Power Level F1				
Averaged Power (dBm) Duty Cycle: **100%**				
Mode	**Tune up**	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)
802.11b	**20.5**	**20.42**	20.04	19.91
802.11g	**20.0**	19.38	18.89	18.59
802.11n(20MHz)	**20.0**	19.08	18.68	18.42
/	**/**	Ch.3 (2422MHz)	Ch.6 (2437MHz)	Ch.9 (2452MHz)
802.11n(40MHz)	**18.0**	17.08	16.87	16.94

Table 10.8: The conducted Power measurement results for WLAN 5GHz

Power Level D1

Averaged Power (dBm) Duty Cycle: **100%**	
Mode	802.11a
Channel	6Mbps
Tune up	**14.5**
36(5180MHz)	14.09
40(5200MHz)	14.05
44(5220MHz)	14.01
48(5240MHz)	14.06
Tune up	**14.5**
52(5260MHz)	**14.04**
56(5280MHz)	14.03
60(5300MHz)	13.97
64(5320MHz)	13.91
Tune up	**14.5**
100(5500MHz)	13.57
104(5520MHz)	13.49
108(5540MHz)	13.84
112(5560MHz)	13.71
116(5580MHz)	12.93
120(5600MHz)	12.83
124(5620MHz)	12.73
128(5640MHz)	12.55
132(5660MHz)	13.63
136(5680MHz)	13.56
140(5700MHz)	**14.25**
144(5720MHz)	14.23
Tune up	**14.5**
149(5745MHz)	**14.25**
153(5765MHz)	14.01
157(5785MHz)	13.87
161(5805MHz)	13.66
165(5825MHz)	12.71

Power Level D2/E1/E2/F2

Averaged Power (dBm) Duty Cycle: **100%**	
Mode	802.11a
Channel	6Mbps
Tune up	**10.0**
36(5180MHz)	9.31
40(5200MHz)	9.40
44(5220MHz)	9.37
48(5240MHz)	9.42
Tune up	**10.0**
52(5260MHz)	**9.28**
56(5280MHz)	9.27
60(5300MHz)	9.12
64(5320MHz)	9.02
Tune up	**10.0**
100(5500MHz)	8.83
104(5520MHz)	8.68
108(5540MHz)	**9.00**
112(5560MHz)	8.81
116(5580MHz)	8.12
120(5600MHz)	8.03
124(5620MHz)	8.11
128(5640MHz)	8.03
132(5660MHz)	8.61
136(5680MHz)	8.50
140(5700MHz)	8.95
144(5720MHz)	8.80
Tune up	**10.0**
149(5745MHz)	**8.79**
153(5765MHz)	8.78
157(5785MHz)	8.50
161(5805MHz)	8.28
165(5825MHz)	8.04

Power Level F1

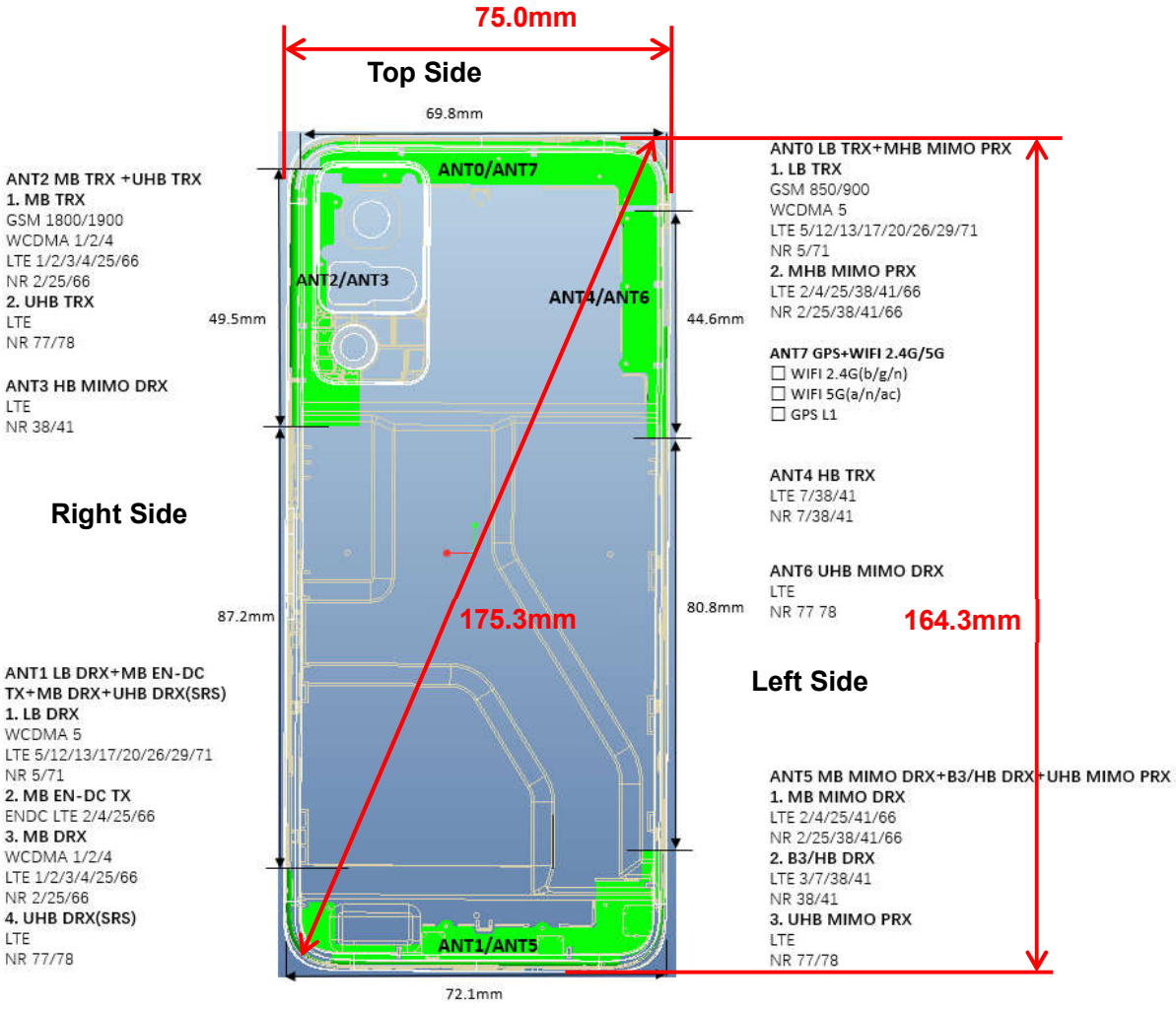
Averaged Power (dBm) Duty Cycle: **100%**	
Mode	802.11a
Channel	6Mbps
Tune up	**19.5**
36(5180MHz)	19.19
40(5200MHz)	19.12
44(5220MHz)	19.18
48(5240MHz)	19.14
Tune up	**19.5**
52(5260MHz)	**19.17**
56(5280MHz)	19.14
60(5300MHz)	19.03
64(5320MHz)	19.04
Tune up	**19.5**
100(5500MHz)	19.15
104(5520MHz)	19.07
108(5540MHz)	**19.46**
112(5560MHz)	19.45
116(5580MHz)	18.13
120(5600MHz)	18.21
124(5620MHz)	17.93
128(5640MHz)	17.78
132(5660MHz)	18.90
136(5680MHz)	18.81
140(5700MHz)	19.43
144(5720MHz)	19.42
Tune up	**19.5**
149(5745MHz)	19.43
153(5765MHz)	19.35
157(5785MHz)	19.41
161(5805MHz)	**19.44**
165(5825MHz)	18.57

11. Simultaneous TX SAR Considerations

11.1. Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as 802.11 a/b/g and Bluetooth devices which may simultaneously transmit with the licensed transmitter.
For this device, the Bluetooth and WLAN can transmit simultaneous with other transmitters.

11.2. Transmit Antenna Separation Distances



Picture 11.1 Antenna Locations (Back View)

ENDC UL Bands list:

Band	LTE TX Band	LTE TX Ant.	NR TX Band	NR TX Ant.
DC_2A_n2A	B2	ANT1	n2	ANT2
DC_5A_n2A	B5	ANT0	n2	ANT2
DC_7A_n2A	B7	ANT4	n2	ANT2
DC_12A_n2A	B12	ANT0	n2	ANT2
DC_66A_n2A	B66	ANT1	n2	ANT2
DC_2A_n5A	B2	ANT1	n5	ANT0
DC_7A_n5A	B7	ANT4	n5	ANT0
DC_66A_n5A	B66	ANT1	n5	ANT0
DC_12A_n25A	B12	ANT0	n25	ANT2
DC_66A_n25A	B66	ANT1	n25	ANT2
DC_2A_n41A	B2	ANT1	n41	ANT4
DC_4A_n41A	B2	ANT1	n41	ANT4
DC_12A_n41A	B12	ANT0	n41	ANT4
DC_25A_n41A	B25	ANT1	n41	ANT4
DC_26A_n41A	B26	ANT0	n41	ANT2
DC_66A_n41A	B66	ANT1	n41	ANT2
DC_2A_n66A	B2	ANT1	n66	ANT2
DC_5A_n66A	B5	ANT0	n66	ANT2
DC_12A_n66A	B12	ANT0	n66	ANT2
DC_13A_n66A	B13	ANT0	n66	ANT2
DC_25A_n66A	B25	ANT1	n66	ANT2
DC_66A_n66A	B66	ANT1	n66	ANT2
DC_2A_n71A	B2	ANT1	n71	ANT0
DC_7A_n71A	B7	ANT4	n71	ANT0
DC_66A_n71A	B66	ANT1	n71	ANT0
DC_2A_n77A	B2	ANT1	n77	ANT2
DC_5A_n77A	B5	ANT0	n77	ANT2
DC_7A_n77A	B7	ANT4	n77	ANT2
DC_12A_n77A	B12	ANT0	n77	ANT2
DC_25A_n77A	B25	ANT1	n77	ANT2
DC_66A_n77A	B66	ANT1	n77	ANT2
DC_2A_n78A	B2	ANT1	n77	ANT2
DC_5A_n78A	B5	ANT0	n78	ANT2
DC_7A_n78A	B7	ANT4	n78	ANT2
DC_12A_n78A	B12	ANT0	n78	ANT2
DC_66A_n78A	B66	ANT1	n78	ANT2
DC_7A_n66A	B7	ANT4	n66	ANT2

11.3. 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 edge	Right edge	Top edge	Bottom edge
Ant.0	Yes	Yes	Yes	Yes	Yes	No
Ant.1	Yes	Yes	Yes	Yes	No	Yes
Ant.2	Yes	Yes	No	Yes	Yes	No
Ant.4	Yes	Yes	Yes	No	Yes	No
Ant.7	Yes	Yes	Yes	Yes	Yes	No

12. Evaluation of Simultaneous

No.	Simultaneous Transmission Configuration
01	WWAN + WLAN 2.4GHz
02	WWAN + WLAN 5GHz
03	WWAN + Bluetooth

Table 12.1: Maximum Simultaneous Transmission SAR

/	Position	Sum (W/kg)
Highest reported SAR value for Head	Left Cheek (DC_13A_n66A + WLAN 2.4HGHz)	**1.51**
Highest reported SAR value for Hotspot	Rear Side (DC_7A_n77A/DC_7A_n78A + WLAN 5GHz)	**1.46**
Highest reported SAR value for Body-worn	Rear Side (DC_7A_n66A + WLAN 5HGHz)	**0.86**

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.

Table 12.2: The sum of SAR values for ENDC

Mode	Position	DC_2A_n2A		
		LTE Band 2 - Ant.1 (W/kg)	NR n2 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.76	0.85
	Left Tilt	0.08	0.31	0.39
	Right Cheek	0.06	0.34	0.40
	Right Tilt	0.06	0.30	0.36
Hotspot	Front	0.08	0.30	0.38
	Rear	0.13	0.46	0.59
	Left	0.04	0.00	0.04
	Right	0.05	0.37	0.42
	Top	0.00	0.31	0.31
	Bottom	0.15	0.00	0.15
Body-worn	Front	0.10	0.23	0.33
	Rear	0.17	0.29	0.46
Mode	Position	DC_5A_n2A		
		LTE Band 5 - Ant.0 (W/kg)	NR n2 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.45	0.76	1.21
	Left Tilt	0.31	0.31	0.62
	Right Cheek	0.43	0.34	0.77
	Right Tilt	0.35	0.30	0.65
Hotspot	Front	0.26	0.30	0.56
	Rear	0.43	0.46	0.89
	Left	0.25	0.00	0.25
	Right	0.13	0.37	0.50
	Top	0.36	0.31	0.67
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.19	0.23	0.42
	Rear	0.25	0.29	0.54

ENDC

Mode	Position	DC_7A_n2A		
		LTE Band 7 - Ant.4 (W/kg)	NR n2 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.30	0.76	1.06
	Left Tilt	0.08	0.31	0.39
	Right Cheek	0.57	0.34	0.91
	Right Tilt	0.20	0.30	0.50
Hotspot	Front	0.11	0.30	0.41
	Rear	0.66	0.46	1.12
	Left	0.48	0.00	0.48
	Right	0.00	0.37	0.37
	Top	0.07	0.31	0.38
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.09	0.23	0.32
	Rear	0.40	0.29	0.69
Mode	Position	DC_12A_n2A		
		LTE Band 12 - Ant.0 (W/kg)	NR n2 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.47	0.76	1.23
	Left Tilt	0.40	0.31	0.71
	Right Cheek	0.42	0.34	0.76
	Right Tilt	0.40	0.30	0.70
Hotspot	Front	0.22	0.30	0.52
	Rear	0.48	0.46	0.94
	Left	0.34	0.00	0.34
	Right	0.18	0.37	0.55
	Top	0.32	0.31	0.63
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.22	0.23	0.45
	Rear	0.26	0.29	0.55

ENDC

Mode	Position	DC_66A_n2A		
		LTE Band 66 - Ant.1 (W/kg)	NR n2 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.76	0.88
	Left Tilt	0.07	0.31	0.38
	Right Cheek	0.07	0.34	0.41
	Right Tilt	0.07	0.30	0.37
Hotspot	Front	0.09	0.30	0.39
	Rear	0.19	0.46	0.65
	Left	0.04	0.00	0.04
	Right	0.04	0.37	0.41
	Top	0.00	0.31	0.31
	Bottom	0.20	0.00	0.20
Body-worn	Front	0.14	0.23	0.37
	Rear	0.27	0.29	0.56
Mode	Position	DC_2A_n5A		
		LTE Band 2 - Ant.1 (W/kg)	NR n5 - Ant.0 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.50	0.59
	Left Tilt	0.08	0.36	0.44
	Right Cheek	0.06	0.47	0.53
	Right Tilt	0.06	0.42	0.48
Hotspot	Front	0.08	0.37	0.45
	Rear	0.13	0.61	0.74
	Left	0.04	0.31	0.35
	Right	0.05	0.17	0.22
	Top	0.00	0.58	0.58
	Bottom	0.15	0.00	0.15
Body-worn	Front	0.10	0.24	0.34
	Rear	0.17	0.26	0.43

ENDC

Mode	Position	DC_7A_n5A		
		LTE Band 7 - Ant.4 (W/kg)	NR n5 - Ant.0 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.30	0.50	0.80
	Left Tilt	0.08	0.36	0.44
	Right Cheek	0.57	0.47	1.04
	Right Tilt	0.20	0.42	0.62
Hotspot	Front	0.11	0.37	0.48
	Rear	0.66	0.61	1.27
	Left	0.48	0.31	0.79
	Right	0.00	0.17	0.17
	Top	0.07	0.58	0.65
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.09	0.24	0.33
	Rear	0.40	0.26	0.66
Mode	Position	DC_66A_n5A		
		LTE Band 66 - Ant.1 (W/kg)	NR n5 - Ant.0 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.50	0.62
	Left Tilt	0.07	0.36	0.43
	Right Cheek	0.07	0.47	0.54
	Right Tilt	0.07	0.42	0.49
Hotspot	Front	0.09	0.37	0.46
	Rear	0.19	0.61	0.80
	Left	0.04	0.31	0.35
	Right	0.04	0.17	0.21
	Top	0.00	0.58	0.58
	Bottom	0.20	0.00	0.20
Body-worn	Front	0.14	0.24	0.38
	Rear	0.27	0.26	0.53

ENDC

Mode	Position	DC_12A_n25A		
		LTE Band 12 - Ant.0 (W/kg)	NR n25 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.47	0.76	1.23
	Left Tilt	0.40	0.31	0.71
	Right Cheek	0.42	0.34	0.76
	Right Tilt	0.40	0.30	0.70
Hotspot	Front	0.22	0.30	0.52
	Rear	0.48	0.46	0.94
	Left	0.34	0.00	0.34
	Right	0.18	0.37	0.55
	Top	0.32	0.31	0.63
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.22	0.23	0.45
	Rear	0.26	0.29	0.55
Mode	Position	DC_66A_n25A		
		LTE Band 66 - Ant.1 (W/kg)	NR n25 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.76	0.88
	Left Tilt	0.07	0.31	0.38
	Right Cheek	0.07	0.34	0.41
	Right Tilt	0.07	0.30	0.37
Hotspot	Front	0.09	0.30	0.39
	Rear	0.19	0.46	0.65
	Left	0.04	0.00	0.04
	Right	0.04	0.37	0.41
	Top	0.00	0.31	0.31
	Bottom	0.20	0.00	0.20
Body-worn	Front	0.14	0.23	0.37
	Rear	0.27	0.29	0.56

ENDC

Mode	Position	DC_2A_n41A		
		LTE Band 2 - Ant.1 (W/kg)	NR n41 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.32	0.41
	Left Tilt	0.08	0.08	0.16
	Right Cheek	0.06	0.71	0.77
	Right Tilt	0.06	0.17	0.23
Hotspot	Front	0.08	0.20	0.28
	Rear	0.13	0.70	0.83
	Left	0.04	0.70	0.74
	Right	0.05	0.00	0.05
	Top	0.00	0.09	0.09
	Bottom	0.15	0.00	0.15
Body-worn	Front	0.10	0.15	0.25
	Rear	0.17	0.52	0.69
Mode	Position	DC_4A_n41A		
		LTE Band 4 - Ant.1 (W/kg)	NR n41 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.32	0.44
	Left Tilt	0.07	0.08	0.15
	Right Cheek	0.07	0.71	0.78
	Right Tilt	0.07	0.17	0.24
Hotspot	Front	0.09	0.20	0.29
	Rear	0.19	0.70	0.89
	Left	0.04	0.70	0.74
	Right	0.04	0.00	0.04
	Top	0.00	0.09	0.09
	Bottom	0.20	0.00	0.20
Body-worn	Front	0.14	0.15	0.29
	Rear	0.27	0.52	0.79

ENDC

Mode	Position	DC_12A_n41A		
		LTE Band 12 - Ant.0 (W/kg)	NR n41 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.47	0.32	0.79
	Left Tilt	0.40	0.08	0.48
	Right Cheek	0.42	0.71	1.13
	Right Tilt	0.40	0.17	0.57
Hotspot	Front	0.22	0.20	0.42
	Rear	0.48	0.70	1.18
	Left	0.34	0.70	1.04
	Right	0.18	0.00	0.18
	Top	0.32	0.09	0.41
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.22	0.15	0.37
	Rear	0.26	0.52	0.78
Mode	Position	DC_25A_n41A		
		LTE Band 25 - Ant.1 (W/kg)	NR n41 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.32	0.41
	Left Tilt	0.08	0.08	0.16
	Right Cheek	0.06	0.71	0.77
	Right Tilt	0.06	0.17	0.23
Hotspot	Front	0.08	0.20	0.28
	Rear	0.13	0.70	0.83
	Left	0.04	0.70	0.74
	Right	0.05	0.00	0.05
	Top	0.00	0.09	0.09
	Bottom	0.15	0.00	0.15
Body-worn	Front	0.10	0.15	0.25
	Rear	0.17	0.52	0.69

ENDC

Mode	Position	DC_26A_n41A		
		LTE Band 26 - Ant.0 (W/kg)	NR n41 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.45	0.32	0.77
	Left Tilt	0.31	0.08	0.39
	Right Cheek	0.43	0.71	1.14
	Right Tilt	0.35	0.17	0.52
Hotspot	Front	0.26	0.20	0.46
	Rear	0.43	0.70	1.13
	Left	0.25	0.70	0.95
	Right	0.13	0.00	0.13
	Top	0.36	0.09	0.45
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.19	0.15	0.34
	Rear	0.25	0.52	0.77
Mode	Position	DC_66A_n41A		
		LTE Band 66 - Ant.1 (W/kg)	NR n41 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.32	0.44
	Left Tilt	0.07	0.08	0.15
	Right Cheek	0.07	0.71	0.78
	Right Tilt	0.07	0.17	0.24
Hotspot	Front	0.09	0.20	0.29
	Rear	0.19	0.70	0.89
	Left	0.04	0.70	0.74
	Right	0.04	0.00	0.04
	Top	0.00	0.09	0.09
	Bottom	0.20	0.00	0.20
Body-worn	Front	0.14	0.15	0.29
	Rear	0.27	0.52	0.79

ENDC

Mode	Position	DC_2A_n66A		
		LTE Band 2 - Ant.1 (W/kg)	NR n66 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.76	0.85
	Left Tilt	0.08	0.35	0.43
	Right Cheek	0.06	0.34	0.40
	Right Tilt	0.07	0.34	0.41
Hotspot	Front	0.09	0.54	0.63
	Rear	0.14	0.74	0.88
	Left	0.05	0.00	0.05
	Right	0.06	0.53	0.59
	Top	0.00	0.54	0.54
	Bottom	0.17	0.00	0.17
Body-worn	Front	0.11	0.35	0.46
	Rear	0.20	0.42	0.62
Mode	Position	DC_5A_n66A		
		LTE Band 5 - Ant.0 (W/kg)	NR n66 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.45	0.76	1.21
	Left Tilt	0.31	0.35	0.66
	Right Cheek	0.43	0.34	0.77
	Right Tilt	0.35	0.34	0.69
Hotspot	Front	0.26	0.54	0.80
	Rear	0.43	0.74	1.17
	Left	0.25	0.00	0.25
	Right	0.13	0.53	0.66
	Top	0.36	0.54	0.90
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.19	0.35	0.54
	Rear	0.25	0.42	0.67

ENDC

Mode	Position	DC_12A_n66A		
		LTE Band 12 - Ant.0 (W/kg)	NR n66 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.47	0.76	1.23
	Left Tilt	0.40	0.35	0.75
	Right Cheek	0.42	0.34	0.76
	Right Tilt	0.40	0.34	0.74
Hotspot	Front	0.22	0.54	0.76
	Rear	0.48	0.74	1.22
	Left	0.34	0.00	0.34
	Right	0.18	0.53	0.71
	Top	0.32	0.54	0.86
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.22	0.35	0.57
	Rear	0.26	0.42	0.68
Mode	Position	DC_13A_n66A		
		LTE Band 13 - Ant.0 (W/kg)	NR n66 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.55	0.76	**1.31**
	Left Tilt	0.45	0.35	0.80
	Right Cheek	0.49	0.34	0.83
	Right Tilt	0.50	0.34	0.84
Hotspot	Front	0.34	0.54	0.88
	Rear	0.58	0.74	1.32
	Left	0.44	0.00	0.44
	Right	0.22	0.53	0.75
	Top	0.46	0.54	1.00
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.29	0.35	0.64
	Rear	0.42	0.42	0.84

ENDC

Mode	Position	DC_25A_n66A		
		LTE Band 25 - Ant.1 (W/kg)	NR n66 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.76	0.85
	Left Tilt	0.08	0.35	0.43
	Right Cheek	0.06	0.34	0.40
	Right Tilt	0.06	0.34	0.40
Hotspot	Front	0.08	0.54	0.62
	Rear	0.13	0.74	0.87
	Left	0.04	0.00	0.04
	Right	0.05	0.53	0.58
	Top	0.00	0.54	0.54
	Bottom	0.15	0.00	0.15
Body-worn	Front	0.10	0.35	0.45
	Rear	0.17	0.42	0.59
Mode	Position	DC_66A_n66A		
		LTE Band 66 - Ant.1 (W/kg)	NR n66 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.76	0.88
	Left Tilt	0.07	0.35	0.42
	Right Cheek	0.07	0.34	0.41
	Right Tilt	0.07	0.34	0.41
Hotspot	Front	0.09	0.54	0.63
	Rear	0.19	0.74	0.93
	Left	0.04	0.00	0.04
	Right	0.04	0.53	0.57
	Top	0.00	0.54	0.54
	Bottom	0.20	0.00	0.20
Body-worn	Front	0.14	0.35	0.49
	Rear	0.27	0.42	0.69

ENDC

Mode	Position	DC_2A_n71A		
		LTE Band 2 - Ant.1 (W/kg)	NR n71 - Ant.0 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.77	0.86
	Left Tilt	0.08	0.59	0.67
	Right Cheek	0.06	0.70	0.76
	Right Tilt	0.06	0.61	0.67
Hotspot	Front	0.08	0.24	0.32
	Rear	0.13	0.44	0.57
	Left	0.04	0.38	0.42
	Right	0.05	0.22	0.27
	Top	0.00	0.32	0.32
	Bottom	0.15	0.00	0.15
Body-worn	Front	0.10	0.26	0.36
	Rear	0.17	0.36	0.53
Mode	Position	DC_7A_n71A		
		LTE Band 7 - Ant.4 (W/kg)	NR n71 - Ant.0 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.30	0.77	1.07
	Left Tilt	0.08	0.59	0.67
	Right Cheek	0.57	0.70	1.27
	Right Tilt	0.20	0.61	0.81
Hotspot	Front	0.11	0.24	0.35
	Rear	0.66	0.44	1.10
	Left	0.48	0.38	0.86
	Right	0.00	0.22	0.22
	Top	0.07	0.32	0.39
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.09	0.26	0.35
	Rear	0.40	0.36	0.76

ENDC

Mode	Position	DC_66A_n71A		
		LTE Band 66 - Ant.1 (W/kg)	NR n77 - Ant.0 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.77	0.89
	Left Tilt	0.07	0.59	0.66
	Right Cheek	0.07	0.70	0.77
	Right Tilt	0.07	0.61	0.68
Hotspot	Front	0.09	0.24	0.33
	Rear	0.19	0.44	0.63
	Left	0.04	0.38	0.42
	Right	0.04	0.22	0.26
	Top	0.00	0.32	0.32
	Bottom	0.20	0.00	0.20
Body-worn	Front	0.14	0.26	0.40
	Rear	0.27	0.36	0.63
Mode	Position	DC_2A_n77A		
		LTE Band 2 - Ant.1 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.39	0.48
	Left Tilt	0.08	0.66	0.74
	Right Cheek	0.06	0.24	0.30
	Right Tilt	0.06	0.23	0.29
Hotspot	Front	0.08	0.12	0.20
	Rear	0.13	0.75	0.88
	Left	0.04	0.11	0.15
	Right	0.05	0.73	0.78
	Top	0.00	0.43	0.43
	Bottom	0.15	0.00	0.15
Body-worn	Front	0.10	0.10	0.20
	Rear	0.17	0.39	0.56

ENDC

Mode	Position	DC_5A_n77A		
		LTE Band 5 - Ant.0 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.45	0.39	0.84
	Left Tilt	0.31	0.66	0.97
	Right Cheek	0.43	0.24	0.67
	Right Tilt	0.35	0.23	0.58
Hotspot	Front	0.26	0.12	0.38
	Rear	0.43	0.75	1.18
	Left	0.25	0.11	0.36
	Right	0.13	0.73	0.86
	Top	0.36	0.43	0.79
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.19	0.10	0.29
	Rear	0.25	0.39	0.64
Mode	Position	DC_7A_n77A		
		LTE Band 7 - Ant.4 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.30	0.39	0.69
	Left Tilt	0.08	0.66	0.74
	Right Cheek	0.57	0.24	0.81
	Right Tilt	0.20	0.23	0.43
Hotspot	Front	0.11	0.12	0.23
	Rear	0.66	0.75	**1.41**
	Left	0.48	0.11	0.59
	Right	0.00	0.73	0.73
	Top	0.07	0.43	0.50
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.09	0.10	0.19
	Rear	0.40	0.39	0.79

ENDC

Mode	Position	DC_12A_n77A		
		LTE Band 12 - Ant.0 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.47	0.39	0.86
	Left Tilt	0.40	0.66	1.06
	Right Cheek	0.42	0.24	0.66
	Right Tilt	0.40	0.23	0.63
Hotspot	Front	0.22	0.12	0.34
	Rear	0.48	0.75	1.23
	Left	0.34	0.11	0.45
	Right	0.18	0.73	0.91
	Top	0.32	0.43	0.75
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.22	0.10	0.32
	Rear	0.26	0.39	0.65
Mode	Position	DC_25A_n77A		
		LTE Band 25 - Ant.1 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.39	0.48
	Left Tilt	0.08	0.66	0.74
	Right Cheek	0.06	0.24	0.30
	Right Tilt	0.06	0.23	0.29
Hotspot	Front	0.08	0.12	0.20
	Rear	0.13	0.75	0.88
	Left	0.04	0.11	0.15
	Right	0.05	0.73	0.78
	Top	0.00	0.43	0.43
	Bottom	0.15	0.00	0.15
Body-worn	Front	0.10	0.10	0.20
	Rear	0.17	0.39	0.56

ENDC

Mode	Position	DC_66A_n77A		
		LTE Band 66 - Ant.1 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.39	0.51
	Left Tilt	0.07	0.66	0.73
	Right Cheek	0.07	0.24	0.31
	Right Tilt	0.07	0.23	0.30
Hotspot	Front	0.09	0.12	0.21
	Rear	0.19	0.75	0.94
	Left	0.04	0.11	0.15
	Right	0.04	0.73	0.77
	Top	0.00	0.43	0.43
	Bottom	0.20	0.00	0.20
Body-worn	Front	0.14	0.10	0.24
	Rear	0.27	0.39	0.66
Mode	Position	DC_2A_n78A		
		LTE Band 2 - Ant.1 (W/kg)	NR n78 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.39	0.48
	Left Tilt	0.08	0.42	0.50
	Right Cheek	0.06	0.16	0.22
	Right Tilt	0.06	0.21	0.27
Hotspot	Front	0.08	0.12	0.20
	Rear	0.13	0.75	0.88
	Left	0.04	0.04	0.08
	Right	0.05	0.73	0.78
	Top	0.00	0.31	0.31
	Bottom	0.15	0.00	0.15
Body-worn	Front	0.10	0.08	0.18
	Rear	0.17	0.37	0.54

ENDC

Mode	Position	DC_5A_n78A		
		LTE Band 5 - Ant.0 (W/kg)	NR n78 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.45	0.39	0.84
	Left Tilt	0.31	0.42	0.73
	Right Cheek	0.43	0.16	0.59
	Right Tilt	0.35	0.21	0.56
Hotspot	Front	0.26	0.12	0.38
	Rear	0.43	0.75	1.18
	Left	0.25	0.04	0.29
	Right	0.13	0.73	0.86
	Top	0.36	0.31	0.67
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.19	0.08	0.27
	Rear	0.25	0.37	0.62
Mode	Position	DC_7A_n78A		
		LTE Band 7 - Ant.4 (W/kg)	NR n78 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.30	0.39	0.69
	Left Tilt	0.08	0.42	0.50
	Right Cheek	0.57	0.16	0.73
	Right Tilt	0.20	0.21	0.41
Hotspot	Front	0.11	0.12	0.23
	Rear	0.66	0.75	**1.41**
	Left	0.48	0.04	0.52
	Right	0.00	0.73	0.73
	Top	0.07	0.31	0.38
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.09	0.08	0.17
	Rear	0.40	0.37	0.77

ENDC

Mode	Position	DC_12A_n78A		
		LTE Band 12 - Ant.0 (W/kg)	NR n78 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.47	0.39	0.86
	Left Tilt	0.40	0.42	0.82
	Right Cheek	0.42	0.16	0.58
	Right Tilt	0.40	0.21	0.61
Hotspot	Front	0.22	0.12	0.34
	Rear	0.48	0.75	1.23
	Left	0.34	0.04	0.38
	Right	0.18	0.73	0.91
	Top	0.32	0.31	0.63
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.22	0.08	0.30
	Rear	0.26	0.37	0.63
Mode	Position	DC_66A_n78A		
		LTE Band 66 - Ant.1 (W/kg)	NR n78 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.39	0.51
	Left Tilt	0.07	0.42	0.49
	Right Cheek	0.07	0.16	0.23
	Right Tilt	0.07	0.21	0.28
Hotspot	Front	0.09	0.12	0.21
	Rear	0.19	0.75	0.94
	Left	0.04	0.04	0.08
	Right	0.04	0.73	0.77
	Top	0.00	0.31	0.31
	Bottom	0.20	0.00	0.20
Body-worn	Front	0.14	0.08	0.22
	Rear	0.27	0.37	0.64

ENDC

Mode	Position	DC_7A_n66A		
		LTE Band 7 - Ant.4 (W/kg)	NR n66 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.30	0.76	1.06
	Left Tilt	0.08	0.35	0.43
	Right Cheek	0.57	0.34	0.91
	Right Tilt	0.20	0.34	0.54
Hotspot	Front	0.11	0.54	0.65
	Rear	0.66	0.74	1.40
	Left	0.48	0.00	0.48
	Right	0.00	0.53	0.53
	Top	0.07	0.54	0.61
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.09	0.35	0.44
	Rear	0.40	0.42	**0.82**

13. 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:

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

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. 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.

Duty Cycle

Mode	Duty Cycle
WCDMA	1:1
FDD_LTE	1:1
TDD_LTE	1:1.58
5G NR	1:1
Bluetooth	1:1
WLAN	1:1

13.1. Testing Environment

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

13.2. SAR results for 3G/4G

Table 13.1: SAR Values (WCDMA Band 2 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
9400	1880.0	RMC	Left Cheek	/	19.91	20.5	0.881	**1.01**	0.07
9400	1880.0	RMC	Left Tilt	/	19.91	20.5	0.444	**0.51**	-0.16
9400	1880.0	RMC	Right Cheek	/	19.91	20.5	0.390	**0.45**	0.04
9400	1880.0	RMC	Right Tilt	/	19.91	20.5	0.385	**0.44**	-0.13
9538	1907.6	RMC	Left Cheek	/	19.89	20.5	0.799	**0.92**	-0.02
9262	1852.4	RMC	Left Cheek	**1**	19.90	20.5	**1.080**	**1.24**	0.02

Table 13.2: SAR Values (WCDMA Band 2 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
9400	1880.0	RMC	Front	/	22.93	23.3	0.456	**0.50**	-0.14
9400	1880.0	RMC	Rear	/	22.93	23.3	0.535	**0.58**	0.04
9400	1880.0	RMC	Right	/	22.93	23.3	0.518	**0.56**	0.04
9400	1880.0	RMC	Top	/	22.93	23.3	0.434	**0.47**	-0.11
9538	1907.6	RMC	Rear	/	23.01	23.3	0.513	**0.55**	-0.09
9262	1852.4	RMC	Rear	**2**	22.89	23.3	**0.590**	**0.65**	-0.09
Body-Worn Test Data (15mm) - Power Level C1									
9400	1880.0	RMC	Front	/	22.93	23.3	0.224	**0.24**	0.09
9400	1880.0	RMC	Rear	/	22.93	23.3	0.263	**0.29**	0.07
9538	1907.6	RMC	Rear	/	23.01	23.3	0.255	**0.27**	0.11
9262	1852.4	RMC	Rear	/	22.89	23.3	0.299	**0.33**	-0.13

Table 13.3: SAR Values (WCDMA Band 4 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
1413	1732.6	RMC	Left Cheek	/	19.63	20.0	1.020	**1.11**	0.04
1413	1732.6	RMC	Left Tilt	/	19.63	20.0	0.552	**0.60**	0.10
1413	1732.6	RMC	Right Cheek	/	19.63	20.0	0.454	**0.49**	0.02
1413	1732.6	RMC	Right Tilt	/	19.63	20.0	0.425	**0.46**	-0.16
1513	1752.6	RMC	Left Cheek	**3**	19.52	20.0	**1.160**	**1.30**	0.14
1312	1712.4	RMC	Left Cheek	/	19.62	20.0	0.888	**0.97**	-0.08

Table 13.4: SAR Values (WCDMA Band 4 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
1413	1732.6	RMC	Front	/	22.49	23.3	0.442	**0.53**	-0.18
1413	1732.6	RMC	Rear	/	22.49	23.3	0.471	**0.57**	0.17
1413	1732.6	RMC	Right	/	22.49	23.3	0.365	**0.44**	-0.13
1413	1732.6	RMC	Top	/	22.49	23.3	0.427	**0.51**	-0.14
1513	1752.6	RMC	Rear	**4**	22.54	23.3	**0.509**	**0.61**	-0.04
1312	1712.4	RMC	Rear	/	22.42	23.3	0.430	**0.53**	-0.16
Body-Worn Test Data (15mm) - Power Level C1									
9400	1880.0	RMC	Front	/	22.49	23.3	0.215	**0.26**	0.17
9400	1880.0	RMC	Rear	/	22.49	23.3	0.253	**0.30**	0.13
9538	1907.6	RMC	Rear	/	22.54	23.3	0.297	**0.35**	-0.09
9262	1852.4	RMC	Rear	/	22.42	23.3	0.229	**0.28**	0.12

Table 13.5: SAR Values (WCDMA Band 5 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
4183	836.6	RMC	Left Cheek	/	23.05	24.0	0.666	**0.83**	-0.09
4183	836.6	RMC	Left Tilt	/	23.05	24.0	0.654	**0.81**	0.04
4183	836.6	RMC	Right Cheek	/	23.05	24.0	0.731	**0.91**	-0.07
4183	836.6	RMC	Right Tilt	/	23.05	24.0	0.759	**0.94**	-0.17
4233	846.6	RMC	Left Cheek	/	22.97	24.0	0.651	**0.83**	0.06
4132	826.4	RMC	Left Cheek	/	23.08	24.0	0.648	**0.80**	0.15
4233	846.6	RMC	Left Tilt	/	22.97	24.0	0.639	**0.81**	-0.03
4132	826.4	RMC	Left Tilt	/	23.08	24.0	0.636	**0.79**	-0.19
4233	846.6	RMC	Right Cheek	/	22.97	24.0	0.858	**1.09**	0.12
4132	826.4	RMC	Right Cheek	/	23.08	24.0	0.673	**0.83**	-0.16
4233	846.6	RMC	Right Tilt	**5**	22.97	24.0	**0.960**	1.22	0.11
4132	826.4	RMC	Right Tilt	/	23.08	24.0	0.685	**0.85**	0.15

Table 13.6: SAR Values (WCDMA Band 5 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
4183	836.6	RMC	Front	/	23.05	24.0	0.230	**0.29**	-0.02
4183	836.6	RMC	Rear	/	23.05	24.0	0.367	**0.46**	0.02
4183	836.6	RMC	Left	/	23.05	24.0	0.196	**0.24**	-0.13
4183	836.6	RMC	Right	/	23.05	24.0	0.072	**0.09**	-0.08
4183	836.6	RMC	Top	/	23.05	24.0	0.375	**0.47**	-0.10
4233	846.6	RMC	Top	**6**	22.97	24.0	**0.469**	0.59	0.08
4132	826.4	RMC	Top	/	23.08	24.0	0.304	**0.38**	0.15
Body-Worn Test Data (15mm) - Power Level C1									
4183	836.6	RMC	Front	/	23.05	24.0	0.193	**0.24**	-0.03
4183	836.6	RMC	Rear	/	23.05	24.0	0.296	0.37	0.07

Table 13.7: SAR Values (LTE Band 7 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
21100	2535.0	1RB50	Left Cheek	/	18.11	19.3	0.229	**0.30**	0.12
21100	2535.0	50RB50	Left Cheek	/	18.28	19.3	0.216	**0.27**	-0.07
21100	2535.0	1RB50	Left Tilt	/	18.11	19.3	0.064	**0.08**	0.02
21100	2535.0	50RB50	Left Tilt	/	18.28	19.3	0.064	**0.08**	0.03
21100	2535.0	1RB50	Right Cheek	**7**	18.11	19.3	**0.436**	**0.57**	0.18
21100	2535.0	50RB50	Right Cheek	/	18.28	19.3	0.401	**0.51**	-0.10
21100	2535.0	1RB50	Right Tilt	/	18.11	19.3	0.150	**0.20**	0.13
21100	2535.0	50RB50	Right Tilt	/	18.28	19.3	0.149	**0.19**	-0.19

Table 13.8: SAR Values (LTE Band 7 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
21100	2535.0	1RB50	Front	/	17.45	18.5	0.114	**0.15**	-0.11
21100	2535.0	50RB50	Front	/	17.49	18.5	0.117	**0.15**	-0.01
21100	2535.0	1RB50	Rear	**8**	17.45	18.5	**0.672**	**0.86**	0.07
21100	2535.0	50RB50	Rear	/	17.49	18.5	0.611	**0.77**	0.08
21100	2535.0	1RB50	Left	/	17.45	18.5	0.481	**0.61**	-0.15
21100	2535.0	50RB50	Left	/	17.49	18.5	0.495	**0.62**	-0.07
21100	2535.0	1RB50	Top	/	17.45	18.5	0.071	**0.09**	-0.06
21100	2535.0	50RB50	Top	/	17.49	18.5	0.064	**0.08**	0.03
21350	2560.0	1RB50	Rear	/	17.37	18.5	0.501	**0.65**	0.02
20850	2510.0	1RB50	Rear	/	17.37	18.5	0.558	**0.72**	0.03
21350	2560.0	100RB	Rear	/	17.45	18.5	0.522	**0.66**	0.05
Hotspot Test Data (10mm) - Power Level B2									
21100	2535.0	1RB50	Front	/	16.24	17.5	0.084	**0.11**	0.05
21100	2535.0	50RB50	Front	/	16.31	17.5	0.086	**0.11**	-0.18
21100	2535.0	1RB50	Rear	/	16.24	17.5	0.496	**0.66**	0.09
21100	2535.0	50RB50	Rear	/	16.31	17.5	0.451	**0.59**	0.02
21100	2535.0	1RB50	Left	/	16.24	17.5	0.355	**0.47**	0.08
21100	2535.0	50RB50	Left	/	16.31	17.5	0.365	**0.48**	-0.18
21100	2535.0	1RB50	Top	/	16.24	17.5	0.052	**0.07**	0.18
21100	2535.0	50RB50	Top	/	16.31	17.5	0.047	**0.06**	0.18
Body-Worn Test Data (15mm) - Power Level C1/C2									
21100	2535.0	1RB50	Front	/	18.11	19.3	0.070	**0.09**	0.03
21100	2535.0	50RB50	Front	/	18.28	19.3	0.064	**0.08**	0.12
21100	2535.0	1RB50	Rear	/	18.11	19.3	0.307	**0.40**	0.07
21100	2535.0	50RB50	Rear	/	18.28	19.3	0.292	**0.37**	0.03

Table 13.9: SAR Values (LTE Band 12 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
23095	707.5	1RB49	Left Cheek	**9**	22.83	24.0	**0.603**	0.79	-0.04
23095	707.5	25RB25	Left Cheek	/	21.81	23.0	0.534	**0.70**	0.02
23095	707.5	1RB49	Left Tilt	/	22.83	24.0	0.517	**0.68**	0.03
23095	707.5	25RB25	Left Tilt	/	21.81	23.0	0.412	**0.54**	0.12
23095	707.5	1RB49	Right Cheek	/	22.83	24.0	0.503	**0.66**	0.09
23095	707.5	25RB25	Right Cheek	/	21.81	23.0	0.476	**0.63**	-0.02
23095	707.5	1RB49	Right Tilt	/	22.83	24.0	0.492	**0.64**	0.03
23095	707.5	25RB25	Right Tilt	/	21.81	23.0	0.430	**0.57**	0.12
Power Level A2									
23095	707.5	1RB49	Left Cheek	/	20.82	22.0	0.358	**0.47**	0.02
23095	707.5	25RB25	Left Cheek	/	20.73	22.0	0.339	**0.45**	-0.05
23095	707.5	1RB49	Left Tilt	/	20.82	22.0	0.307	**0.40**	-0.17
23095	707.5	25RB25	Left Tilt	/	20.73	22.0	0.262	**0.35**	0.16
23095	707.5	1RB49	Right Cheek	/	20.82	22.0	0.311	**0.41**	-0.03
23095	707.5	25RB25	Right Cheek	/	20.73	22.0	0.317	**0.42**	0.07
23095	707.5	1RB49	Right Tilt	/	20.82	22.0	0.304	**0.40**	-0.01
23095	707.5	25RB25	Right Tilt	/	20.73	22.0	0.286	**0.38**	0.08

Note: SAR for LTE Band 17 is covered by LTE Band 12 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 13.10: SAR Values (LTE Band 12 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
23095	707.5	1RB49	Front	/	22.83	24.0	0.168	**0.22**	-0.08
23095	707.5	25RB25	Front	/	21.81	23.0	0.135	**0.18**	0.00
23095	707.5	1RB49	Rear	**10**	22.83	24.0	**0.368**	**0.48**	-0.05
23095	707.5	25RB25	Rear	/	21.81	23.0	0.242	**0.32**	-0.01
23095	707.5	1RB49	Left	/	22.83	24.0	0.261	**0.34**	0.04
23095	707.5	25RB25	Left	/	21.81	23.0	0.206	**0.27**	0.02
23095	707.5	1RB49	Right	/	22.83	24.0	0.136	**0.18**	0.05
23095	707.5	25RB25	Right	/	21.81	23.0	0.109	**0.14**	-0.10
23095	707.5	1RB49	Top	/	22.83	24.0	0.244	**0.32**	-0.15
23095	707.5	25RB25	Top	/	21.81	23.0	0.186	**0.24**	0.08
Body-Worn Test Data (15mm) - Power Level C1/C2									
23095	707.5	1RB49	Front	/	22.83	24.0	0.165	**0.22**	0.08
23095	707.5	25RB25	Front	/	21.81	23.0	0.133	**0.17**	-0.15
23095	707.5	1RB49	Rear	/	22.83	24.0	0.195	**0.26**	0.04
23095	707.5	25RB25	Rear	/	21.81	23.0	0.183	**0.24**	0.01

Note: SAR for LTE Band 17 is covered by LTE Band 12 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 13.11: SAR Values (LTE Band 13 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
23230	782.0	1RB49	Left Cheek	**11**	22.90	24.0	**0.754**	**0.97**	-0.14
23230	782.0	25RB0	Left Cheek	/	21.89	23.0	0.626	**0.81**	-0.05
23230	782.0	1RB49	Left Tilt	/	22.90	24.0	0.613	**0.79**	-0.16
23230	782.0	25RB0	Left Tilt	/	21.89	23.0	0.517	**0.67**	0.04
23230	782.0	1RB49	Right Cheek	/	22.90	24.0	0.670	**0.86**	-0.02
23230	782.0	25RB0	Right Cheek	/	21.89	23.0	0.512	**0.66**	-0.04
23230	782.0	1RB49	Right Tilt	/	22.90	24.0	0.681	**0.88**	-0.19
23230	782.0	25RB0	Right Tilt	/	21.89	23.0	0.511	**0.66**	0.06
23230	782.0	50RB	Left Cheek	/	21.90	23.0	0.605	**0.78**	-0.07
23230	782.0	50RB	Right Cheek	/	21.90	23.0	0.538	**0.69**	0.14
23230	782.0	50RB	Right Tilt	/	21.90	23.0	0.546	**0.70**	-0.06
Power Level A2									
23230	782.0	1RB49	Left Cheek	/	20.93	22.0	0.428	**0.55**	-0.16
23230	782.0	25RB0	Left Cheek	/	20.91	22.0	0.404	**0.52**	-0.05
23230	782.0	1RB49	Left Tilt	/	20.93	22.0	0.348	**0.45**	-0.15
23230	782.0	25RB0	Left Tilt	/	20.91	22.0	0.334	**0.43**	-0.06
23230	782.0	1RB49	Right Cheek	/	20.93	22.0	0.380	**0.49**	0.01
23230	782.0	25RB0	Right Cheek	/	20.91	22.0	0.330	**0.42**	0.01
23230	782.0	1RB49	Right Tilt	/	20.93	22.0	0.387	**0.50**	0.16
23230	782.0	25RB0	Right Tilt	/	20.91	22.0	0.330	**0.42**	0.13

Table 13.12: SAR Values (LTE Band 13 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
23230	782.0	1RB49	Front	/	22.90	24.0	0.233	**0.30**	-0.14
23230	782.0	25RB0	Front	/	21.89	23.0	0.177	**0.23**	-0.14
23230	782.0	1RB49	Rear	**12**	22.90	24.0	**0.399**	**0.51**	0.03
23230	782.0	25RB0	Rear	/	21.89	23.0	0.303	**0.39**	-0.13
23230	782.0	1RB49	Left	/	22.90	24.0	0.306	**0.39**	0.05
23230	782.0	25RB0	Left	/	21.89	23.0	0.244	**0.32**	0.09
23230	782.0	1RB49	Right	/	22.90	24.0	0.154	**0.20**	0.14
23230	782.0	25RB0	Right	/	21.89	23.0	0.117	**0.15**	0.05
23230	782.0	1RB49	Top	/	22.90	24.0	0.319	**0.41**	0.02
23230	782.0	25RB0	Top	/	21.89	23.0	0.271	**0.35**	-0.05
Body-Worn Test Data (15mm) - Power Level C1/C2									
23230	782.0	1RB49	Front	/	22.90	24.0	0.201	**0.26**	-0.19
23230	782.0	25RB0	Front	/	21.89	23.0	0.158	**0.20**	0.07
23230	782.0	1RB49	Rear	/	22.90	24.0	0.293	**0.38**	-0.14
23230	782.0	25RB0	Rear	/	21.89	23.0	0.226	**0.29**	0.14

Table 13.13: SAR Values (LTE Band 25 - Head) - Ant.2

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
26365	1882.5	1RB50	Left Cheek	/	20.53	21.5	0.803	**1.00**	-0.07
26365	1882.5	50RB25	Left Cheek	/	20.56	21.5	0.808	**1.00**	-0.01
26365	1882.5	1RB50	Left Tilt	/	20.53	21.5	0.369	**0.46**	-0.01
26365	1882.5	50RB25	Left Tilt	/	20.56	21.5	0.366	**0.45**	-0.05
26365	1882.5	1RB50	Right Cheek	/	20.53	21.5	0.404	**0.51**	-0.03
26365	1882.5	50RB25	Right Cheek	/	20.56	21.5	0.414	**0.51**	0.06
26365	1882.5	1RB50	Right Tilt	/	20.53	21.5	0.346	**0.43**	0.03
26365	1882.5	50RB25	Right Tilt	/	20.56	21.5	0.351	**0.44**	0.08
26590	1905.0	1RB50	Left Cheek	/	20.52	21.5	0.735	**0.92**	0.02
26140	1860.0	1RB50	Left Cheek	/	20.46	21.5	0.888	**1.13**	0.05
26590	1905.0	50RB25	Left Cheek	/	20.55	21.5	0.740	**0.92**	-0.01
26140	1860.0	50RB25	Left Cheek	**13**	20.49	21.5	**0.894**	1.13	-0.04
26140	1860.0	100RB	Left Cheek	/	20.45	21.5	0.853	**1.09**	-0.07

Table 13.14: SAR Values (LTE Band 25 - Body) - Ant.2

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
26365	1882.5	1RB50	Front	/	21.12	22.5	0.251	**0.34**	0.18
26365	1882.5	50RB25	Front	/	21.20	22.5	0.249	**0.34**	-0.05
26365	1882.5	1RB50	Rear	/	21.12	22.5	0.405	0.56	0.16
26365	1882.5	50RB25	Rear	**14**	21.20	22.5	**0.407**	**0.55**	-0.17
26365	1882.5	1RB50	Right	/	21.12	22.5	0.329	**0.45**	0.14
26365	1882.5	50RB25	Right	/	21.20	22.5	0.331	**0.45**	-0.16
26365	1882.5	1RB50	Top	/	21.12	22.5	0.272	**0.37**	0.12
26365	1882.5	50RB25	Top	/	21.20	22.5	0.276	**0.37**	0.03
Body-Worn Test Data (15mm) - Power Level C1									
26365	1882.5	1RB50	Front	/	22.71	23.5	0.160	**0.19**	-0.13
26365	1882.5	50RB25	Front	/	22.71	23.5	0.155	**0.19**	-0.14
26365	1882.5	1RB50	Rear	/	22.71	23.5	0.239	0.29	-0.19
26365	1882.5	50RB25	Rear	/	22.71	23.5	0.237	**0.28**	0.10

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 13.15: SAR Values (LTE Band 25 - Head) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
26140	1860.0	1RB50	Left Cheek	/	19.03	19.5	0.077	**0.09**	-0.18
26140	1860.0	50RB25	Left Cheek	/	18.99	19.5	0.067	**0.07**	0.03
26140	1860.0	1RB50	Left Tilt	/	19.03	19.5	0.062	**0.07**	0.14
26140	1860.0	50RB25	Left Tilt	/	18.99	19.5	0.061	**0.07**	0.13
26140	1860.0	1RB50	Right Cheek	/	19.03	19.5	0.053	**0.06**	0.03
26140	1860.0	50RB25	Right Cheek	/	18.99	19.5	0.050	**0.06**	0.12
26140	1860.0	1RB50	Right Tilt	/	19.03	19.5	0.057	**0.06**	0.04
26140	1860.0	50RB25	Right Tilt	/	18.99	19.5	0.054	**0.06**	0.03

Table 13.16: SAR Values (LTE Band 25 - Body) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
26140	1860.0	1RB50	Front	/	15.12	15.5	0.060	**0.07**	0.11
26140	1860.0	50RB25	Front	/	15.11	15.5	0.069	**0.08**	0.01
26140	1860.0	1RB50	Rear	/	15.12	15.5	0.117	**0.13**	0.05
26140	1860.0	50RB25	Rear	/	15.11	15.5	0.118	**0.13**	0.14
26140	1860.0	1RB50	Left	/	15.12	15.5	0.039	**0.04**	0.10
26140	1860.0	50RB25	Left	/	15.11	15.5	0.040	**0.04**	-0.11
26140	1860.0	1RB50	Right	/	15.12	15.5	0.046	**0.05**	0.07
26140	1860.0	50RB25	Right	/	15.11	15.5	0.041	**0.05**	0.06
26140	1860.0	1RB50	Bottom	/	15.12	15.5	0.141	**0.15**	-0.10
26140	1860.0	50RB25	Bottom	/	15.11	15.5	0.137	**0.15**	0.04
Body-Worn Test Data (15mm) - Power Level C2									
26140	1860.0	1RB50	Front	/	19.03	19.5	0.082	**0.09**	-0.06
26140	1860.0	50RB25	Front	/	18.99	19.5	0.088	**0.10**	-0.16
26140	1860.0	1RB50	Rear	/	19.03	19.5	0.156	**0.17**	0.19
26140	1860.0	50RB25	Rear	/	18.99	19.5	0.154	**0.17**	0.18

Table 13.17: SAR Values (LTE Band 26 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
26775	822.5	1RB37	Left Cheek	/	23.17	24.5	0.785	**1.07**	-0.05
26775	822.5	36RB19	Left Cheek	/	22.17	23.5	0.619	**0.84**	-0.06
26775	822.5	1RB37	Left Tilt	/	23.17	24.5	0.535	**0.73**	-0.02
26775	822.5	36RB19	Left Tilt	/	22.17	23.5	0.414	**0.56**	-0.02
26775	822.5	1RB37	Right Cheek	/	23.17	24.5	0.738	**1.00**	-0.04
26775	822.5	36RB19	Right Cheek	/	22.17	23.5	0.603	**0.82**	0.07
26775	822.5	1RB37	Right Tilt	/	23.17	24.5	0.563	**0.76**	-0.02
26775	822.5	36RB19	Right Tilt	/	22.17	23.5	0.498	**0.68**	0.07
26965	841.5	1RB37	Left Cheek	**15**	23.00	24.5	**0.845**	1.19	-0.04
26865	831.5	1RB37	Left Cheek	/	23.10	24.5	0.732	**1.01**	-0.08
26965	841.5	36RB19	Left Cheek	/	21.97	23.5	0.654	**0.93**	-0.07
26865	831.5	36RB19	Left Cheek	/	22.16	23.5	0.582	**0.79**	-0.06
26865	831.5	75RB	Left Cheek	/	22.18	23.5	0.593	**0.80**	-0.08
Power Level A2									
26775	822.5	1RB37	Left Cheek	/	20.07	21.5	0.327	**0.45**	0.06
26775	822.5	36RB19	Left Cheek	/	20.05	21.5	0.315	**0.44**	0.09
26775	822.5	1RB37	Left Tilt	/	20.07	21.5	0.223	**0.31**	0.01
26775	822.5	36RB19	Left Tilt	/	20.05	21.5	0.211	**0.29**	-0.10
26775	822.5	1RB37	Right Cheek	/	20.07	21.5	0.307	**0.43**	-0.19
26775	822.5	36RB19	Right Cheek	/	20.05	21.5	0.307	**0.43**	-0.04
26775	822.5	1RB37	Right Tilt	/	20.07	21.5	0.235	**0.33**	0.01
26775	822.5	36RB19	Right Tilt	/	20.05	21.5	0.253	**0.35**	-0.18

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 13.18: SAR Values (LTE Band 26 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
26775	822.5	1RB37	Front	/	23.17	24.5	0.188	**0.26**	-0.14
26775	822.5	36RB19	Front	/	22.17	23.5	0.144	**0.20**	0.08
26775	822.5	1RB37	Rear	**16**	23.17	24.5	**0.319**	**0.43**	0.10
26775	822.5	36RB19	Rear	/	22.17	23.5	0.212	**0.29**	-0.15
26775	822.5	1RB37	Left	/	23.17	24.5	0.186	**0.25**	0.09
26775	822.5	36RB19	Left	/	22.17	23.5	0.137	**0.19**	0.19
26775	822.5	1RB37	Right	/	23.17	24.5	0.096	**0.13**	-0.12
26775	822.5	36RB19	Right	/	22.17	23.5	0.073	**0.10**	-0.17
26775	822.5	1RB37	Top	/	23.17	24.5	0.265	**0.36**	0.00
26775	822.5	36RB19	Top	/	22.17	23.5	0.199	**0.27**	0.15
Body-Worn Test Data (15mm) - Power Level C1/C2									
26775	822.5	1RB37	Front	/	23.17	24.5	0.138	**0.19**	-0.10
26775	822.5	36RB19	Front	/	22.17	23.5	0.109	**0.15**	0.18
26775	822.5	1RB37	Rear	/	23.17	24.5	0.182	**0.25**	0.00
26775	822.5	36RB19	Rear	/	22.17	23.5	0.146	**0.20**	0.01

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 13.19: SAR Values (LTE Band 41 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
41055	2636.5	1RB50	Left Cheek	/	18.83	20.5	0.254	**0.37**	-0.10
41055	2636.5	50RB25	Left Cheek	/	18.84	20.5	0.186	**0.27**	0.15
41055	2636.5	1RB50	Left Tilt	/	18.83	20.5	0.065	**0.09**	0.05
41055	2636.5	50RB25	Left Tilt	/	18.84	20.5	0.066	**0.10**	0.03
41055	2636.5	1RB50	Right Cheek	**17**	18.83	20.5	**0.466**	**0.68**	-0.04
41055	2636.5	50RB25	Right Cheek	/	18.84	20.5	0.457	**0.67**	0.14
41055	2636.5	1RB50	Right Tilt	/	18.83	20.5	0.130	**0.19**	-0.12
41055	2636.5	50RB25	Right Tilt	/	18.84	20.5	0.128	**0.19**	0.06

Note: SAR for LTE Band 38 is covered by LTE Band 41 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 13.20: SAR Values (LTE Band 41 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
41055	2636.5	1RB50	Front	/	18.25	20.0	0.122	**0.18**	0.12
41055	2636.5	50RB25	Front	/	18.26	20.0	0.123	**0.18**	-0.05
41055	2636.5	1RB50	Rear	**18**	18.25	20.0	**0.651**	0.97	0.08
41055	2636.5	50RB25	Rear	/	18.26	20.0	0.638	**0.95**	-0.12
41055	2636.5	1RB50	Left	/	18.25	20.0	0.624	**0.93**	-0.16
41055	2636.5	50RB25	Left	/	18.26	20.0	0.623	**0.93**	0.15
41055	2636.5	1RB50	Top	/	18.25	20.0	0.052	**0.08**	-0.04
41055	2636.5	50RB25	Top	/	18.26	20.0	0.049	**0.07**	0.19
41490	2680.0	1RB50	Rear	/	18.18	20.0	0.559	**0.85**	0.09
40620	2593.0	1RB50	Rear	/	18.23	20.0	0.449	**0.67**	-0.18
40185	2549.5	1RB50	Rear	/	18.20	20.0	0.428	**0.65**	-0.07
39750	2506.0	1RB50	Rear	/	18.22	20.0	0.439	**0.66**	0.08
41490	2680.0	50RB25	Rear	/	18.20	20.0	0.548	**0.83**	-0.04
40620	2593.0	50RB25	Rear	/	18.19	20.0	0.441	**0.67**	0.07
40185	2549.5	50RB25	Rear	/	18.23	20.0	0.419	**0.63**	0.13
39750	2506.0	50RB25	Rear	/	18.24	20.0	0.431	**0.65**	0.01
41055	2636.5	100RB	Rear	/	18.20	20.0	0.594	**0.90**	-0.19
41490	2680.0	1RB50	Left	/	18.18	20.0	0.535	**0.81**	-0.02
40620	2593.0	1RB50	Left	/	18.23	20.0	0.431	**0.65**	0.01
40185	2549.5	1RB50	Left	/	18.20	20.0	0.409	**0.62**	0.02
39750	2506.0	1RB50	Left	/	18.22	20.0	0.421	**0.63**	0.10
41490	2680.0	50RB25	Left	/	18.20	20.0	0.535	**0.81**	-0.18
40620	2593.0	50RB25	Left	/	18.19	20.0	0.431	**0.65**	0.01
40185	2549.5	50RB25	Left	/	18.23	20.0	0.409	**0.61**	0.09
39750	2506.0	50RB25	Left	/	18.24	20.0	0.419	**0.63**	-0.10
Body-Worn Test Data (10mm) - Power Level C1									
41055	2636.5	1RB50	Front	/	18.83	20.5	0.067	**0.10**	0.02
41055	2636.5	50RB25	Front	/	18.84	20.5	0.064	**0.09**	-0.01
41055	2636.5	1RB50	Rear	/	18.83	20.5	0.311	**0.46**	0.04
41055	2636.5	50RB25	Rear	/	18.84	20.5	0.312	0.46	0.09

Note: SAR for LTE Band 38 is covered by LTE Band 41 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 13.21: SAR Values (LTE Band 66 - Head) - Ant.2

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
132072	1720.0	1RB0	Left Cheek	/	20.03	21.0	0.821	**1.03**	-0.14
132072	1720.0	50RB0	Left Cheek	/	20.18	21.0	0.876	**1.06**	-0.10
132072	1720.0	1RB0	Left Tilt	/	20.03	21.0	0.418	**0.52**	-0.12
132072	1720.0	50RB0	Left Tilt	/	20.18	21.0	0.448	**0.54**	0.03
132072	1720.0	1RB0	Right Cheek	/	20.03	21.0	0.406	**0.51**	0.07
132072	1720.0	50RB0	Right Cheek	/	20.18	21.0	0.443	**0.54**	0.06
132072	1720.0	1RB0	Right Tilt	/	20.03	21.0	0.355	**0.44**	0.09
132072	1720.0	50RB0	Right Tilt	/	20.18	21.0	0.388	**0.47**	0.02
132572	1770.0	1RB0	Left Cheek	**19**	19.99	21.0	**0.972**	1.23	-0.03
132322	1745.0	1RB0	Left Cheek	/	19.96	21.0	0.924	**1.17**	-0.07
132572	1770.0	50RB0	Left Cheek	/	19.95	21.0	0.969	**1.23**	-0.12
132322	1745.0	50RB0	Left Cheek	/	20.05	21.0	0.950	**1.18**	-0.08
132072	1720.0	100RB	Left Cheek	/	20.09	21.0	0.903	**1.11**	-0.09

Table 13.22: SAR Values (LTE Band 66 - Body) - Ant.2

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
132072	1720.0	1RB0	Front	/	20.57	22.2	0.244	**0.36**	-0.04
132072	1720.0	50RB0	Front	/	20.69	22.2	0.274	**0.39**	-0.07
132072	1720.0	1RB0	Rear	/	20.57	22.2	0.354	**0.52**	-0.04
132072	1720.0	50RB0	Rear	**20**	20.69	22.2	**0.380**	0.54	0.14
132072	1720.0	1RB0	Right	/	20.57	22.2	0.229	**0.33**	0.12
132072	1720.0	50RB0	Right	/	20.69	22.2	0.246	**0.35**	-0.18
132072	1720.0	1RB0	Top	/	20.57	22.2	0.232	**0.34**	0.00
132072	1720.0	50RB0	Top	/	20.69	22.2	0.249	**0.35**	-0.16
Body-Worn Test Data (15mm) - Power Level C1									
132072	1720.0	1RB0	Front	/	22.10	23.5	0.228	**0.31**	0.01
132072	1720.0	50RB0	Front	/	22.22	23.5	0.241	**0.32**	-0.04
132072	1720.0	1RB0	Rear	/	22.10	23.5	0.267	**0.37**	-0.02
132072	1720.0	50RB0	Rear	/	22.22	23.5	0.278	0.37	0.03

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 13.23: SAR Values (LTE Band 66 - Head) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
132572	1770.0	1RB50	Left Cheek	/	17.80	18.3	0.111	**0.12**	-0.07
132572	1770.0	50RB25	Left Cheek	/	17.88	18.3	0.084	**0.09**	0.00
132572	1770.0	1RB50	Left Tilt	/	17.80	18.3	0.060	**0.07**	0.03
132572	1770.0	50RB25	Left Tilt	/	17.88	18.3	0.046	**0.05**	0.12
132572	1770.0	1RB50	Right Cheek	/	17.80	18.3	0.062	**0.07**	0.04
132572	1770.0	50RB25	Right Cheek	/	17.88	18.3	0.048	**0.05**	0.06
132572	1770.0	1RB50	Right Tilt	/	17.80	18.3	0.063	**0.07**	0.12
132572	1770.0	50RB25	Right Tilt	/	17.88	18.3	0.046	**0.05**	0.03

Table 13.24: SAR Values (LTE Band 66 - Body) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
132572	1770.0	1RB50	Front	/	13.92	14.3	0.072	**0.08**	0.06
132572	1770.0	50RB25	Front	/	13.92	14.3	0.079	**0.09**	0.02
132572	1770.0	1RB50	Rear	/	13.92	14.3	0.165	**0.18**	-0.13
132572	1770.0	50RB25	Rear	/	13.92	14.3	0.170	**0.19**	0.06
132572	1770.0	1RB50	Left	/	13.92	14.3	0.034	**0.04**	0.17
132572	1770.0	50RB25	Left	/	13.92	14.3	0.038	**0.04**	0.09
132572	1770.0	1RB50	Right	/	13.92	14.3	0.033	**0.04**	-0.14
132572	1770.0	50RB25	Right	/	13.92	14.3	0.035	**0.04**	-0.08
132572	1770.0	1RB50	Bottom	/	13.92	14.3	0.174	**0.19**	0.06
132572	1770.0	50RB25	Bottom	/	13.92	14.3	0.179	**0.20**	-0.16
Body-Worn Test Data (15mm) - Power Level C2									
132572	1770.0	1RB50	Front	/	17.80	18.3	0.121	**0.14**	0.07
132572	1770.0	50RB25	Front	/	17.88	18.3	0.112	**0.12**	0.02
132572	1770.0	1RB50	Rear	/	17.80	18.3	0.237	**0.27**	0.14
132572	1770.0	50RB25	Rear	/	17.88	18.3	0.236	**0.26**	0.04

Table 13.25: SAR Values (LTE Band 71 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
133222	673.0	1RB99	Left Cheek	/	23.29	24.5	0.484	**0.64**	-0.17
133222	673.0	50RB25	Left Cheek	/	22.34	23.5	0.414	**0.54**	-0.18
133222	673.0	1RB99	Left Tilt	/	23.29	24.5	0.410	**0.54**	-0.12
133222	673.0	50RB25	Left Tilt	/	22.34	23.5	0.313	**0.41**	-0.19
133222	673.0	1RB99	Right Cheek	**21**	23.29	24.5	**0.577**	**0.76**	-0.04
133222	673.0	50RB25	Right Cheek	/	22.34	23.5	0.470	**0.61**	-0.06
133222	673.0	1RB99	Right Tilt	/	23.29	24.5	0.567	**0.75**	-0.07
133222	673.0	50RB25	Right Tilt	/	22.34	23.5	0.466	**0.61**	-0.03

Table 13.26: SAR Values (LTE Band 71 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
133222	673.0	1RB99	Front	/	23.29	24.5	0.177	**0.23**	0.04
133222	673.0	50RB25	Front	/	22.34	23.5	0.141	**0.18**	0.12
133222	673.0	1RB99	Rear	**22**	23.29	24.5	**0.315**	**0.42**	-0.03
133222	673.0	50RB25	Rear	/	22.34	23.5	0.241	**0.31**	0.12
133222	673.0	1RB99	Left	/	23.29	24.5	0.199	**0.26**	-0.02
133222	673.0	50RB25	Left	/	22.34	23.5	0.159	**0.21**	0.04
133222	673.0	1RB99	Right	/	23.29	24.5	0.167	**0.22**	0.12
133222	673.0	50RB25	Right	/	22.34	23.5	0.138	**0.18**	0.03
133222	673.0	1RB99	Top	/	23.29	24.5	0.242	**0.32**	0.04
133222	673.0	50RB25	Top	/	22.34	23.5	0.175	**0.23**	0.05
Body-Worn Test Data (15mm) - Power Level C1									
133222	673.0	1RB99	Front	/	23.29	24.5	0.189	**0.25**	0.04
133222	673.0	50RB25	Front	/	22.34	23.5	0.152	**0.20**	0.03
133222	673.0	1RB99	Rear	/	23.29	24.5	0.220	**0.29**	0.01
133222	673.0	50RB25	Rear	/	22.34	23.5	0.189	**0.25**	0.04

13.3. Test Results for SUB 6G

Table 13.27: SAR Values (NR n5 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
167300	836.5	50@25	Left Cheek	**23**	21.39	22.5	**0.643**	**0.83**	0.02
167300	836.5	50@25	Left Tilt	/	21.39	22.5	0.461	**0.60**	0.07
167300	836.5	50@25	Right Cheek	/	21.39	22.5	0.603	**0.78**	0.03
167300	836.5	50@25	Right Tilt	/	21.39	22.5	0.540	**0.70**	-0.05
167800	839.0	50@25	Left Cheek	/	21.33	22.5	0.617	**0.81**	-0.01
166800	834.0	50@25	Left Cheek	/	21.36	22.5	0.593	**0.77**	-0.09
Power Level A2									
167300	836.5	50@25	Left Cheek	/	19.89	21.0	0.388	**0.50**	-0.14
167300	836.5	50@25	Left Tilt	/	19.89	21.0	0.278	**0.36**	-0.18
167300	836.5	50@25	Right Cheek	/	19.89	21.0	0.364	**0.47**	0.09
167300	836.5	50@25	Right Tilt	/	19.89	21.0	0.326	**0.42**	0.12
167800	839.0	50@25	Left Cheek	/	19.84	21.0	0.372	**0.49**	0.03
166800	834.0	50@25	Left Cheek	/	19.88	21.0	0.358	**0.46**	-0.05

Table 13.28: SAR Values (NR n5 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
167300	836.5	50@25	Front	/	22.97	24.5	0.261	**0.37**	0.05
167300	836.5	50@25	Rear	**24**	22.97	24.5	**0.430**	**0.61**	-0.19
167300	836.5	50@25	Left	/	22.97	24.5	0.215	**0.31**	-0.02
167300	836.5	50@25	Right	/	22.97	24.5	0.121	**0.17**	0.03
167300	836.5	50@25	Top	/	22.97	24.5	0.408	**0.58**	0.10
Body-Worn Test Data (15mm) - Power Level C1/C2									
167300	836.5	50@25	Front	/	22.97	24.5	0.169	**0.24**	0.01
167300	836.5	50@25	Rear	/	22.97	24.5	0.185	**0.26**	0.02

Table 13.29: SAR Values (NR n7 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
507000	2535.0	50@25	Left Cheek	/	18.48	19.3	0.326	**0.39**	0.05
507000	2535.0	50@25	Left Tilt	/	18.48	19.3	0.111	**0.13**	-0.10
507000	2535.0	50@25	Right Cheek	**25**	18.48	19.3	**0.580**	**0.70**	-0.12
507000	2535.0	50@25	Right Tilt	/	18.48	19.3	0.243	**0.29**	0.16

Table 13.30: SAR Values (NR n7 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
507000	2535.0	50@25	Front	/	18.00	18.5	0.144	**0.16**	0.03
507000	2535.0	50@25	Rear	**26**	18.00	18.5	**0.669**	**0.75**	0.12
507000	2535.0	50@25	Left	/	18.00	18.5	0.540	**0.61**	0.04
507000	2535.0	50@25	Top	/	18.00	18.5	0.063	**0.07**	-0.04
512000	2560.0	50@25	Rear	/	18.00	18.5	0.553	**0.62**	0.02
502000	2510.0	50@25	Rear	/	18.00	18.5	0.610	**0.68**	0.03
Body-Worn Test Data (15mm) - Power Level C1									
507000	2535.0	50@25	Front	/	18.48	19.3	0.060	**0.07**	0.11
507000	2535.0	50@25	Rear	/	18.48	19.3	0.320	**0.39**	0.01

Table 13.31: SAR Values (NR n25 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
376500	1882.5	50@25	Left Cheek	/	18.81	19.8	0.556	**0.70**	0.02
376500	1882.5	50@25	Left Tilt	/	18.81	19.8	0.250	**0.31**	-0.03
376500	1882.5	50@25	Right Cheek	/	18.81	19.8	0.267	**0.34**	0.17
376500	1882.5	50@25	Right Tilt	/	18.81	19.8	0.239	**0.30**	0.02
381000	1905.0	50@25	Left Cheek	/	18.77	19.8	0.495	**0.63**	-0.06
372000	1860.0	50@25	Left Cheek	**27**	18.74	19.8	**0.596**	**0.76**	-0.01

Table 13.32: SAR Values (NR n25 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
376500	1882.5	50@25	Front	/	23.92	24.8	0.465	**0.57**	0.01
376500	1882.5	50@25	Rear	**28**	23.92	24.8	**0.705**	**0.86**	0.06
376500	1882.5	50@25	Right	/	23.92	24.8	0.567	**0.69**	-0.05
376500	1882.5	50@25	Top	/	23.92	24.8	0.477	**0.58**	0.03
381000	1905.0	50@25	Rear	/	23.75	24.8	0.633	**0.81**	-0.01
372000	1860.0	50@25	Rear	/	23.76	24.8	0.698	**0.89**	0.02
Hotspot Test Data (10mm) - Power Level B2									
376500	1882.5	50@25	Front	/	20.84	21.8	0.243	**0.30**	0.04
376500	1882.5	50@25	Rear	/	20.84	21.8	0.369	**0.46**	0.06
376500	1882.5	50@25	Right	/	20.84	21.8	0.297	**0.37**	-0.08
376500	1882.5	50@25	Top	/	20.84	21.8	0.249	**0.31**	0.00
Body-Worn Test Data (15mm) - Power Level C1									
376500	1882.5	50@25	Front	/	23.92	24.8	0.271	**0.33**	0.02
376500	1882.5	50@25	Rear	/	23.92	24.8	0.336	**0.41**	0.01
Body-Worn Test Data (15mm) - Power Level C2									
376500	1882.5	50@25	Front	/	21.85	22.8	0.186	**0.23**	0.19
376500	1882.5	50@25	Rear	/	21.85	22.8	0.230	**0.29**	0.11

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 13.33: SAR Values (NR n41 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
518595	2593.0	135@67	Left Cheek	/	18.76	19.5	0.267	**0.32**	-0.05
518595	2593.0	135@67	Left Tilt	/	18.76	19.5	0.067	**0.08**	0.02
518595	2593.0	135@67	Right Cheek	**29**	18.76	19.5	**0.598**	**0.71**	0.03
518595	2593.0	135@67	Right Tilt	/	18.76	19.5	0.145	**0.17**	-0.01

Table 13.34: SAR Values (NR n41 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
518595	2593.0	135@67	Front	/	17.24	18.0	0.171	**0.20**	0.17
518595	2593.0	135@67	Rear	/	17.24	18.0	0.587	**0.70**	0.09
518595	2593.0	135@67	Left	**30**	17.24	18.0	**0.589**	**0.70**	0.04
518595	2593.0	135@67	Top	/	17.24	18.0	0.074	**0.09**	0.06
Body-Worn Test Data (15mm) - Power Level C1/C2									
518595	2593.0	135@67	Front	/	19.27	20.0	0.128	**0.15**	0.05
518595	2593.0	135@67	Rear	/	19.27	20.0	0.438	**0.52**	0.02

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 13.35: SAR Values (NR n66 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
349000	1745.0	108@54	Left Cheek	/	19.78	20.5	0.814	**0.96**	0.07
349000	1745.0	108@54	Left Tilt	/	19.78	20.5	0.416	**0.49**	-0.09
349000	1745.0	108@54	Right Cheek	/	19.78	20.5	0.401	**0.47**	0.06
349000	1745.0	108@54	Right Tilt	/	19.78	20.5	0.401	**0.47**	-0.15
352000	1760.0	108@54	Left Cheek	**31**	19.72	20.5	**0.964**	**1.15**	0.11
346000	1730.0	108@54	Left Cheek	/	19.76	20.5	0.709	**0.84**	0.17
Power Level A2									
349000	1745.0	108@54	Left Cheek	/	18.29	19.5	0.575	**0.76**	0.02
349000	1745.0	108@54	Left Tilt	/	18.29	19.5	0.268	**0.35**	0.06
349000	1745.0	108@54	Right Cheek	/	18.29	19.5	0.258	**0.34**	0.17
349000	1745.0	108@54	Right Tilt	/	18.29	19.5	0.258	**0.34**	-0.07

Table 13.36: SAR Values (NR n66 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
349000	1745.0	108@54	Front	/	23.34	24.5	0.417	**0.54**	-0.13
349000	1745.0	108@54	Rear	**32**	23.34	24.5	**0.568**	**0.74**	-0.04
349000	1745.0	108@54	Right	/	23.34	24.5	0.408	**0.53**	0.08
349000	1745.0	108@54	Top	/	23.34	24.5	0.412	**0.54**	0.05
Body-Worn Test Data (15mm) - Power Level C1/C2									
349000	1745.0	108@54	Front	/	23.34	24.5	0.266	**0.35**	0.13
349000	1745.0	108@54	Rear	/	23.34	24.5	0.325	**0.42**	0.07

Table 13.37: SAR Values (NR n71 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
136100	680.5	50@25	Left Cheek	**33**	23.46	24.5	**0.606**	**0.77**	0.14
136100	680.5	50@25	Left Tilt	/	23.46	24.5	0.462	**0.59**	-0.10
136100	680.5	50@25	Right Cheek	/	23.46	24.5	0.549	**0.70**	-0.08
136100	680.5	50@25	Right Tilt	/	23.46	24.5	0.484	**0.61**	-0.02

Table 13.38: SAR Values (NR n71 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
136100	680.5	50@25	Front	/	23.46	24.5	0.192	**0.24**	0.07
136100	680.5	50@25	Rear	**34**	23.46	24.5	**0.349**	**0.44**	-0.15
136100	680.5	50@25	Left	/	23.46	24.5	0.303	**0.38**	0.03
136100	680.5	50@25	Right	/	23.46	24.5	0.175	**0.22**	0.09
136100	680.5	50@25	Top	/	23.46	24.5	0.251	**0.32**	0.03
Body-Worn Test Data (15mm) - Power Level C1/C2									
136100	680.5	50@25	Front	/	23.46	24.5	0.202	**0.26**	0.14
136100	680.5	50@25	Rear	/	23.46	24.5	0.285	**0.36**	0.02

Table 13.39: SAR Values (NR n77 Part 27Q - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
633334	3500.0	135@67	Left Cheek	/	18.21	18.5	0.362	**0.39**	0.08
633334	3500.0	135@67	Left Tilt	**35**	18.21	18.5	**0.392**	**0.42**	0.01
633334	3500.0	135@67	Right Cheek	/	18.21	18.5	0.154	**0.16**	0.08
633334	3500.0	135@67	Right Tilt	/	18.21	18.5	0.197	**0.21**	0.09

Table 13.40: SAR Values (NR n77 Part 27Q - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
633334	3500.0	135@67	Front	/	20.56	21.0	0.153	**0.17**	-0.01
633334	3500.0	135@67	Rear	**36**	20.56	21.0	**0.926**	**1.02**	0.07
633334	3500.0	135@67	Left	/	20.56	21.0	0.059	**0.06**	0.17
633334	3500.0	135@67	Right	/	20.56	21.0	0.900	**1.00**	0.07
633334	3500.0	135@67	Top	/	20.56	21.0	0.379	**0.42**	0.19
Hotspot Test Data (10mm) - Power Level B2									
633334	3500.0	135@67	Front	/	18.71	19.0	0.116	**0.12**	0.16
633334	3500.0	135@67	Rear	/	18.71	19.0	0.705	**0.75**	0.13
633334	3500.0	135@67	Left	/	18.71	19.0	0.038	**0.04**	0.13
633334	3500.0	135@67	Right	/	18.71	19.0	0.684	**0.73**	0.00
Body-Worn Test Data (15mm) - Power Level C1/C2									
633334	3500.0	135@67	Front	/	19.20	19.5	0.076	**0.08**	0.09
633334	3500.0	135@67	Rear	/	19.20	19.5	0.343	**0.37**	0.06

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 13.41: SAR Values (NR n77 Part 27O - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
656000	3840.0	135@67	Left Cheek	/	18.40	18.5	0.357	**0.37**	0.09
656000	3840.0	135@67	Left Tilt	**37**	18.40	18.5	**0.647**	**0.66**	0.02
656000	3840.0	135@67	Right Cheek	/	18.40	18.5	0.231	**0.24**	-0.06
656000	3840.0	135@67	Right Tilt	/	18.40	18.5	0.222	**0.23**	-0.07

Table 13.42: SAR Values (NR n77 Part 27O - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
656000	3840.0	135@67	Front	/	20.96	21.0	0.176	**0.18**	-0.04
656000	3840.0	135@67	Rear	/	20.96	21.0	0.891	**0.90**	0.11
656000	3840.0	135@67	Left	/	20.96	21.0	0.185	**0.19**	-0.17
656000	3840.0	135@67	Right	/	20.96	21.0	0.729	**0.74**	-0.01
656000	3840.0	135@67	Top	/	20.96	21.0	0.586	**0.59**	0.11
662000	3930.0	135@67	Rear	**38**	20.27	21.0	**0.916**	**1.08**	-0.02
650000	3750.0	135@67	Rear	/	20.22	21.0	0.602	**0.72**	0.07
Hotspot Test Data (10mm) - Power Level B2									
656000	3840.0	135@67	Front	/	18.92	19.0	0.128	**0.13**	0.01
656000	3840.0	135@67	Rear	/	18.92	19.0	0.648	**0.66**	0.08
656000	3840.0	135@67	Left	/	18.92	19.0	0.111	**0.11**	0.11
656000	3840.0	135@67	Right	/	18.92	19.0	0.531	**0.54**	0.06
656000	3840.0	135@67	Top	/	18.92	19.0	0.425	**0.43**	0.08
Body-Worn Test Data (15mm) - Power Level C1/C2									
656000	3840.0	135@67	Front	/	19.43	19.5	0.101	**0.10**	-0.19
656000	3840.0	135@67	Rear	/	19.43	19.5	0.387	**0.39**	0.06

13.4. Test Results for Bluetooth

Table 13.43: SAR Values (Bluetooth - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
78	2480.0	GFSK	Left Cheek	**39**	9.46	10.0	**0.070**	**0.08**	0.17
78	2480.0	GFSK	Left Tilt	/	9.46	10.0	0.041	**0.05**	0.02
78	2480.0	GFSK	Right Cheek	/	9.46	10.0	<0.01	**<0.01**	/
78	2480.0	GFSK	Right Tilt	/	9.46	10.0	<0.01	**<0.01**	/

Table 13.44: SAR Values (Bluetooth - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Test Data (10mm)									
78	2480.0	GFSK	Front	/	9.46	10.0	<0.01	**<0.01**	/
78	2480.0	GFSK	Rear	/	9.46	10.0	<0.01	**<0.01**	/
78	2480.0	GFSK	Left	/	9.46	10.0	<0.01	**<0.01**	/
78	2480.0	GFSK	Right	/	9.46	10.0	<0.01	**<0.01**	/
78	2480.0	GFSK	Top	/	9.46	10.0	<0.01	**<0.01**	/
Test Data (15mm)									
78	2480.0	GFSK	Front	/	9.46	10.0	<0.01	**<0.01**	/
78	2480.0	GFSK	Rear	/	9.46	10.0	<0.01	**<0.01**	/

13.5. WLAN Evaluation for 2.4GHz

According to the KDB248227 D01, SAR is measured for 2.4GHz 802.11b DSSS using the initial test position procedure.

Table 13.45: SAR Values (WLAN 2.4GHz - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level D1									
1	2412.0	802.11b	Left Cheek	**40**	17.42	18.0	**0.623**	**0.71**	0.13
1	2412.0	802.11b	Left Tilt	/	17.42	18.0	0.489	**0.56**	0.18
1	2412.0	802.11b	Right Cheek	/	17.42	18.0	0.217	**0.25**	-0.08
1	2412.0	802.11b	Right Tilt	/	17.42	18.0	0.246	**0.28**	-0.17
Power Level D2									
1	2412.0	802.11b	Left Cheek	/	11.50	12.0	0.179	**0.20**	0.02
1	2412.0	802.11b	Left Tilt	/	11.50	12.0	0.174	**0.20**	-0.01
1	2412.0	802.11b	Right Cheek	/	11.50	12.0	0.063	**0.07**	-0.01
1	2412.0	802.11b	Right Tilt	/	11.50	12.0	0.075	**0.08**	0.06

Table 13.46: SAR Values (WLAN 2.4GHz - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level E1/E2									
1	2412.0	802.11b	Front	/	11.50	12.0	0.032	**0.04**	-0.19
1	2412.0	802.11b	Rear	/	11.50	12.0	0.036	**0.04**	-0.11
1	2412.0	802.11b	Left	/	11.50	12.0	0.028	**0.03**	-0.11
1	2412.0	802.11b	Right	/	11.50	12.0	0.034	**0.04**	0.19
1	2412.0	802.11b	Top	/	11.50	12.0	0.030	**0.03**	0.16
Body-Worn Test Data (15mm) - Power Level F1									
1	2412.0	802.11b	Front	**41**	20.42	20.5	**0.143**	**0.15**	-0.01
1	2412.0	802.11b	Rear	/	20.42	20.5	0.122	**0.12**	-0.08
Body-Worn Test Data (15mm) - Power Level F2									
1	2412.0	802.11b	Front	/	11.50	12.0	0.011	**0.01**	0.05
1	2412.0	802.11b	Rear	/	11.50	12.0	0.010	**0.01**	0.17

Note: 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.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.47: SAR Values - 802.11b (Scaled Reported SAR)

Frequency		Test Position		Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz						
1	2412.0	Head	Left Cheek	100%	100%	0.71	**0.71**
1	2412.0	Body	Front	100%	100%	0.15	**0.15**

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.

13.6. WLAN Evaluation for 5GHz

Table 13.48: SAR Values (WLAN 5GHz - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> - Power Level D1									
52	5260.0	802.11a	Left Cheek	/	14.04	14.5	0.213	**0.24**	0.05
52	5260.0	802.11a	Left Tilt	/	14.04	14.5	0.269	**0.30**	0.12
52	5260.0	802.11a	Right Cheek	/	14.04	14.5	0.119	**0.13**	-0.11
52	5260.0	802.11a	Right Tilt	/	14.04	14.5	0.152	**0.17**	0.15
<U-NII-2C> - Power Level D1									
140	5700.0	802.11a	Left Cheek	/	14.25	14.5	0.368	**0.39**	0.06
140	5700.0	802.11a	Left Tilt	**42**	14.25	14.5	**0.485**	0.51	-0.01
140	5700.0	802.11a	Right Cheek	/	14.25	14.5	0.135	**0.14**	-0.10
140	5700.0	802.11a	Right Tilt	/	14.25	14.5	0.188	**0.20**	0.00
<U-NII-3> - Power Level D1									
149	5745.0	802.11a	Left Cheek	/	14.25	14.5	0.388	**0.41**	0.04
149	5745.0	802.11a	Left Tilt	/	14.25	14.5	0.483	**0.51**	0.15
149	5745.0	802.11a	Right Cheek	/	14.25	14.5	0.226	**0.24**	-0.04
149	5745.0	802.11a	Right Tilt	/	14.25	14.5	0.303	**0.32**	0.01
<U-NII-2A> - Power Level D2									
52	5260.0	802.11a	Left Cheek	/	9.28	10.0	0.044	**0.05**	0.16
52	5260.0	802.11a	Left Tilt	/	9.28	10.0	0.043	**0.05**	0.01
52	5260.0	802.11a	Right Cheek	/	9.28	10.0	0.031	**0.04**	0.13
52	5260.0	802.11a	Right Tilt	/	9.28	10.0	0.032	**0.04**	-0.10
<U-NII-2C> - Power Level D2									
108	5540.0	802.11a	Left Cheek	/	9.00	10.0	0.060	**0.08**	-0.17
108	5540.0	802.11a	Left Tilt	/	9.00	10.0	0.082	**0.10**	-0.07
108	5540.0	802.11a	Right Cheek	/	9.00	10.0	0.034	**0.04**	0.06
108	5540.0	802.11a	Right Tilt	/	9.00	10.0	0.039	**0.05**	-0.02
<U-NII-3> - Power Level D2									
149	5745.0	802.11a	Left Cheek	/	8.79	10.0	0.089	**0.12**	-0.03
149	5745.0	802.11a	Left Tilt	/	8.79	10.0	0.121	**0.16**	0.07
149	5745.0	802.11a	Right Cheek	/	8.79	10.0	0.061	**0.08**	0.09
149	5745.0	802.11a	Right Tilt	/	8.79	10.0	0.084	**0.11**	-0.19

Table 13.49: SAR Values (WLAN 5GHz - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> - Hotspot Test Data (10mm) - Power Level E1/E2									
52	5260.0	802.11a	Front	/	9.28	10.0	<0.01	**<0.01**	/
52	5260.0	802.11a	Rear	/	9.28	10.0	<0.01	**<0.01**	/
52	5260.0	802.11a	Left	/	9.28	10.0	<0.01	**<0.01**	/
52	5260.0	802.11a	Right	/	9.28	10.0	<0.01	**<0.01**	/
52	5260.0	802.11a	Top	/	9.28	10.0	<0.01	**<0.01**	/
<U-NII-2C> - Hotspot Test Data (10mm) - Power Level E1/E2									
108	5540.0	802.11a	Front	/	9.00	10.0	<0.01	**<0.01**	/
108	5540.0	802.11a	Rear	/	9.00	10.0	<0.01	**<0.01**	/
108	5540.0	802.11a	Left	/	9.00	10.0	<0.01	**<0.01**	/
108	5540.0	802.11a	Right	/	9.00	10.0	<0.01	**<0.01**	/
108	5540.0	802.11a	Top	/	9.00	10.0	<0.01	**<0.01**	/
<U-NII-3> - Hotspot Test Data (10mm) - Power Level E1/E2									
149	5745.0	802.11a	Front	/	8.79	10.0	<0.01	**<0.01**	/
149	5745.0	802.11a	Rear	/	8.79	10.0	0.040	**0.05**	0.00
149	5745.0	802.11a	Left	/	8.79	10.0	<0.01	**<0.01**	/
149	5745.0	802.11a	Right	/	8.79	10.0	<0.01	**<0.01**	/
149	5745.0	802.11a	Top	/	8.79	10.0	<0.01	**<0.01**	/
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level F1									
52	5260.0	802.11a	Front	/	19.17	19.5	0.106	**0.11**	-0.17
52	5260.0	802.11a	Rear	/	19.17	19.5	0.143	**0.15**	-0.10
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level F1									
108	5540.0	802.11a	Front	/	19.46	19.5	0.133	**0.13**	0.19
108	5540.0	802.11a	Rear	/	19.46	19.5	0.182	**0.18**	0.03
< U-NII-3> - Body-Worn Test Data (15mm) - Power Level F1									
161	5805.0	802.11a	Front	/	19.44	19.5	0.190	**0.19**	0.04
161	5805.0	802.11a	Rear	**43**	19.44	19.5	**0.357**	**0.36**	0.05
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level F2									
52	5260.0	802.11a	Front	/	9.28	10.0	<0.01	**<0.01**	/
52	5260.0	802.11a	Rear	/	9.28	10.0	<0.01	**<0.01**	/
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level F2									
108	5540.0	802.11a	Front	/	9.00	10.0	<0.01	**<0.01**	/
108	5540.0	802.11a	Rear	/	9.00	10.0	<0.01	**<0.01**	/
< U-NII-3> - Body-Worn Test Data (15mm) - Power Level F2									
149	5745.0	802.11a	Front	/	8.79	10.0	<0.01	**<0.01**	/
149	5745.0	802.11a	Rear	/	8.79	10.0	0.027	**0.04**	0.11

Note:

1. U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2W/kg, SAR is not required for U-NII-1 band.
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.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.50: SAR Values - 802.11a (Scaled Reported SAR)

Frequency		Test Position		Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz						
140	5700.0	Head	Left Tilt	100%	100%	0.51	**0.51**
161	5805.0	Body	Rear	100%	100%	0.36	**0.36**

14. 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 (~ 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 14.1: SAR Measurement Variability for Head - WCDMA Band 2

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
9262	1852.4	Left Cheek	1.080	1.050	1.03	/

Table 14.2: SAR Measurement Variability for Head - WCDMA Band 4

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1513	1752.6	Left Cheek	1.160	1.140	1.02	/

Table 14.3: SAR Measurement Variability for Head - WCDMA Band 5

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
4233	846.6	Right Tilt	0.960	0.938	1.02	/

Table 14.4: SAR Measurement Variability for Head - LTE Band 25

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
26140	1860.0	Left Cheek	0.894	0.863	1.04	/

Table 14.5: SAR Measurement Variability for Head - LTE Band 26

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
26965	841.5	Left Cheek	0.845	0.832	1.02	/

Table 14.6: SAR Measurement Variability for Head - LTE Band 66

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
132572	1770.0	Left Cheek	0.972	0.954	1.02	/

Table 14.7: SAR Measurement Variability for Head - NR n66

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
352000	1760.0	Left Cheek	0.964	0.948	1.02	/

Table 14.8: SAR Measurement Variability for Body - NR n77 Part 27Q

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
633334	3500.0	Rear	0.926	0.907	1.02	/

Table 14.9: SAR Measurement Variability for Body - NR n77 Part 27O

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
662000	3930.0	Rear	0.916	0.887	1.03	/

15. Measurement Uncertainty

15.1. 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	12	N	2	1	1	6.0	6.0	∞
2	Axial isotropy	B	4.7	R	$\sqrt{3}$	√0.5	√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	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
19	Phantom uncertainty	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
20	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
21	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	9
22	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
23	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	0.96	0.78	9
Combined standard uncertainty			$u_c' = \sqrt{\sum_{i=1}^{23} c_i^2 u_i^2}$					11.3	11.2	95.5
Expanded uncertainty (Confidence interval of 95 %)			$u_e = 2u_c$					22.6	22.4	

15.2. 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	13.1	N	2	1	1	6.65	6.65	∞
2	Axial isotropy	B	4.7	R	$\sqrt{3}$	√0.5	√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	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
19	Phantom uncertainty	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
20	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
21	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	43
22	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
23	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	0.96	0.78	521
Combined standard uncertainty		$u_c^{'} = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						11.6	11.5	257
Expanded uncertainty (Confidence interval of 95 %)		$u_e = 2u_c$						23.2	23.0	

16. Main Test Instruments

Table 16.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	E5071C	MY46103759	2022-11-14	One year
02	Dielectric probe	85070E	MY44300317	/	/
03	Power meter	E4418B	MY50000366	2022-12-11	One year
04	Power sensor	E9304A	MY50000188	2022-12-11	One year
05	Power meter	NRP	101260	2022-12-29	One year
06	Power sensor	NRP-Z91	102211	2022-12-29	One year
07	Signal Generator	E8257D	MY47461211	2022-01-14&2023-01-13	One year
08	Amplifier	VTL5400	0404	/	/
09	DAE	DAE4	1527	2022-06-21	One year
10	E-field Probe	EX3DV4	7621	2022-05-06	One year
11	DAE	DAE4	1331	2022-09-15	One year
12	E-field Probe	EX3DV4	7600	2022-12-10	One year
13	Dipole Validation Kit	D750V3	1163	2022-08-22	Three years
14	Dipole Validation Kit	D835V2	4d057	2021-10-18	Three years
15	Dipole Validation Kit	D1750V2	1152	2022-08-22	Three years
16	Dipole Validation Kit	D1900V2	5d088	2021-10-18	Three years
17	Dipole Validation Kit	D2450V2	853	2022-07-20	Three years
18	Dipole Validation Kit	D2550V2	1010	2021-05-21	Three years
19	Dipole Validation Kit	D3500V2	1084	2019-09-20	Three years
20	Dipole Validation Kit	D3900V2	1028	2019-09-20	Three years
21	Dipole Validation Kit	D5GHzV2	1060	2022-07-05	Three years
22	BTS	E5515C	GB46110722	2022-01-14&2023-01-13	One year
23	BTS	MT8820C	6201341853	2022-01-14&2023-01-13	One year
24	BTS	CMW500	152499	2022-07-15	One year
25	Software	DASY5	/	/	/

ANNEX A: Graph Results

WCDMA Band 2 Head

Date: 2023-1-11

Electronics: DAE4 Sn1331

Medium: Head 1900MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.408 S/m; εr = 39.969; ρ = 1000 kg/m3

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

Probe: EX3DV4 - SN7600 ConvF (8.70, 8.70, 8.70)

Left Cheek Low/Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.79 W/kg

Left Cheek Low/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.36 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.578 W/kg

Maximum value of SAR (measured) = 1.75 W/kg

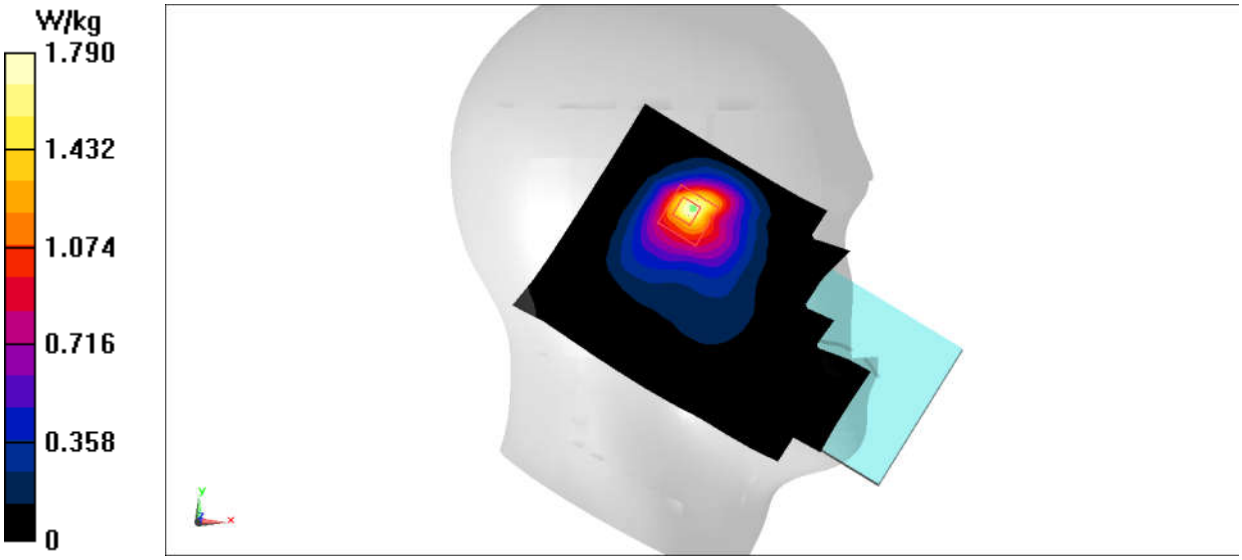


Fig.1 WCDMA Band 2 Head

WCDMA Band 2 Body
Date: 2023-1-11
Electronics: DAE4 Sn1331
Medium: Head 1900MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.408 S/m; εr = 39.969; ρ = 1000 kg/m3
Communication System: UID 0, WCDMA (0) Frequency: 1852.4 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7600 ConvF (8.70, 8.70, 8.70)

Rear Side Low/Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.930 W/kg

Rear Side Low/Zoom Scan (7x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.89 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.350 W/kg
Maximum value of SAR (measured) = 0.892 W/kg

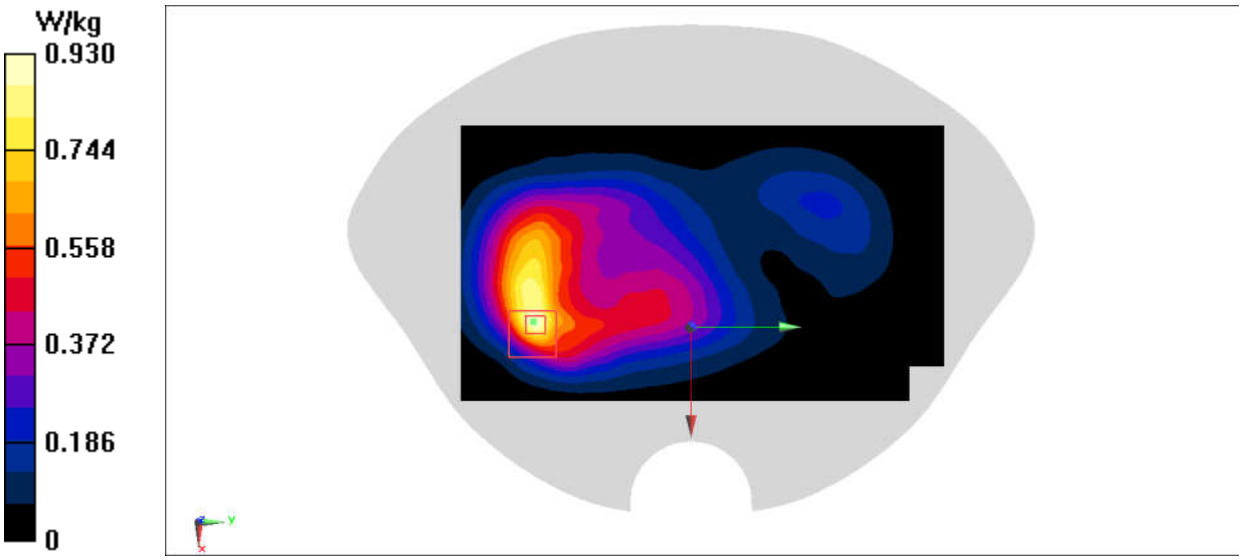


Fig.2 WCDMA Band 2 Body

WCDMA Band 4 Head
Date: 2023-1-11
Electronics: DAE4 Sn1331
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.375 S/m; εr = 40.176; ρ = 1000 kg/m3
Communication System: UID 0, WCDMA (0) Frequency: 1752.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.00, 9.00, 9.00)

Left Cheek High/Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.83 W/kg

Left Cheek High/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.05 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 2.34 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.620 W/kg
Maximum value of SAR (measured) = 1.88 W/kg

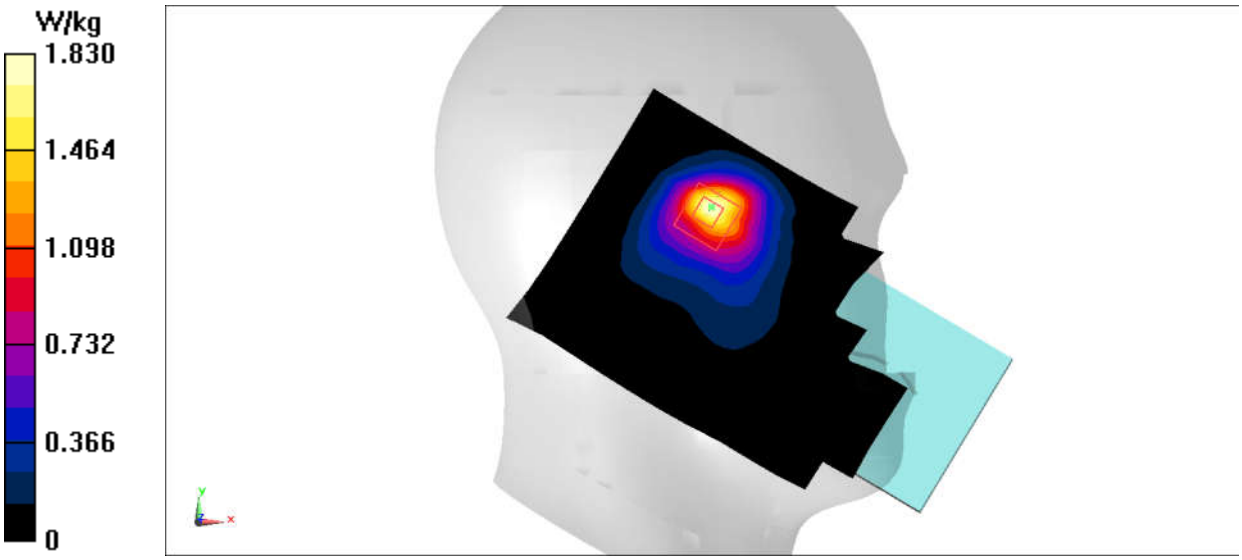


Fig.3 WCDMA Band 4 Head

WCDMA Band 4 Body
Date: 2023-1-11
Electronics: DAE4 Sn1331
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.375 S/m; εr = 40.176; ρ = 1000 kg/m3
Communication System: UID 0, WCDMA (0) Frequency: 1752.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.00, 9.00, 9.00)

Rear Side High/Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.768 W/kg

Rear Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.28 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.934 W/kg
SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.293 W/kg
Maximum value of SAR (measured) = 0.757 W/kg

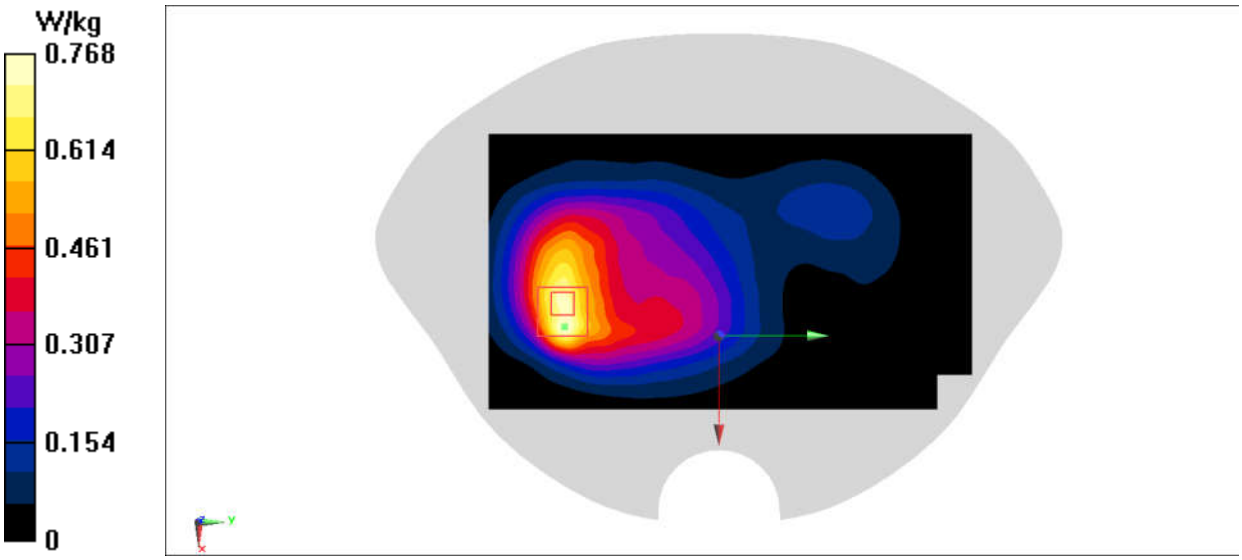


Fig.4 WCDMA Band 4 Body

WCDMA Band 5 Head
Date: 2023-1-11
Electronics: DAE4 Sn1331
Medium: Head 835MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.893 S/m; εr = 42.432; ρ = 1000 kg/m3
Communication System: UID 0, WCDMA (0) Frequency: 846.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7600 ConvF (10.99, 10.99, 10.99)

Right Tilt High/Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.60 W/kg

Right Tilt High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.34 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 2.09 W/kg
SAR(1 g) = 0.960 W/kg; SAR(10 g) = 0.512 W/kg
Maximum value of SAR (measured) = 1.61 W/kg

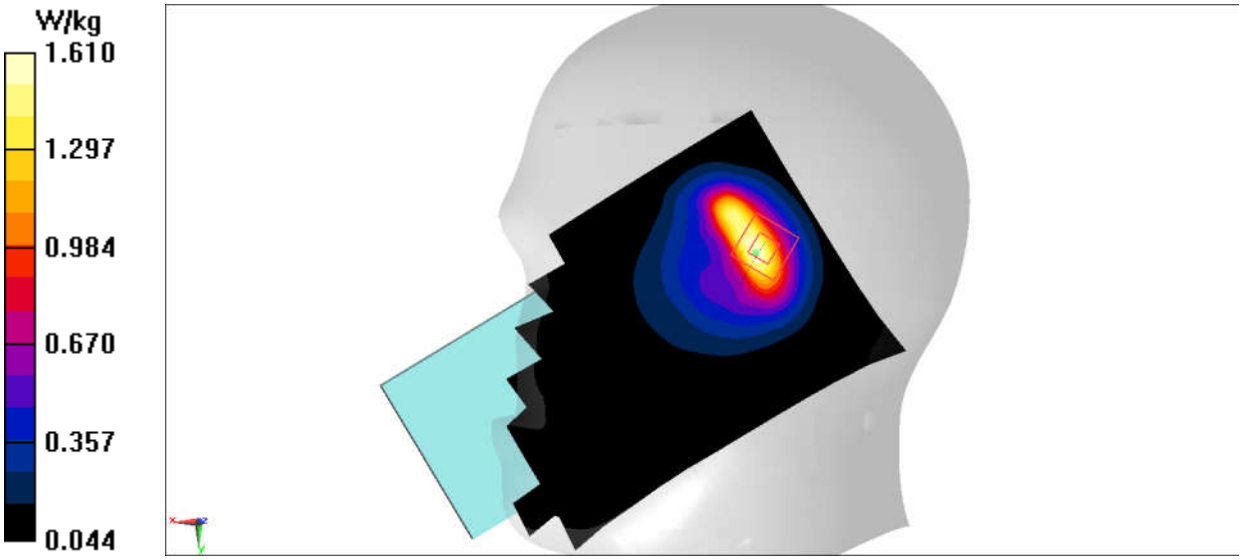


Fig.5 WCDMA Band 5 Head

WCDMA Band 5 Body
Date: 2023-1-11
Electronics: DAE4 Sn1331
Medium: Head 835MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.893 S/m; εr = 42.432; ρ = 1000 kg/m3
Communication System: UID 0, WCDMA (0) Frequency: 846.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7600 ConvF (10.99, 10.99, 10.99)

Top Side High/Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.691 W/kg

Top Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.73 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.961 W/kg
SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.248 W/kg
Maximum value of SAR (measured) = 0.765 W/kg

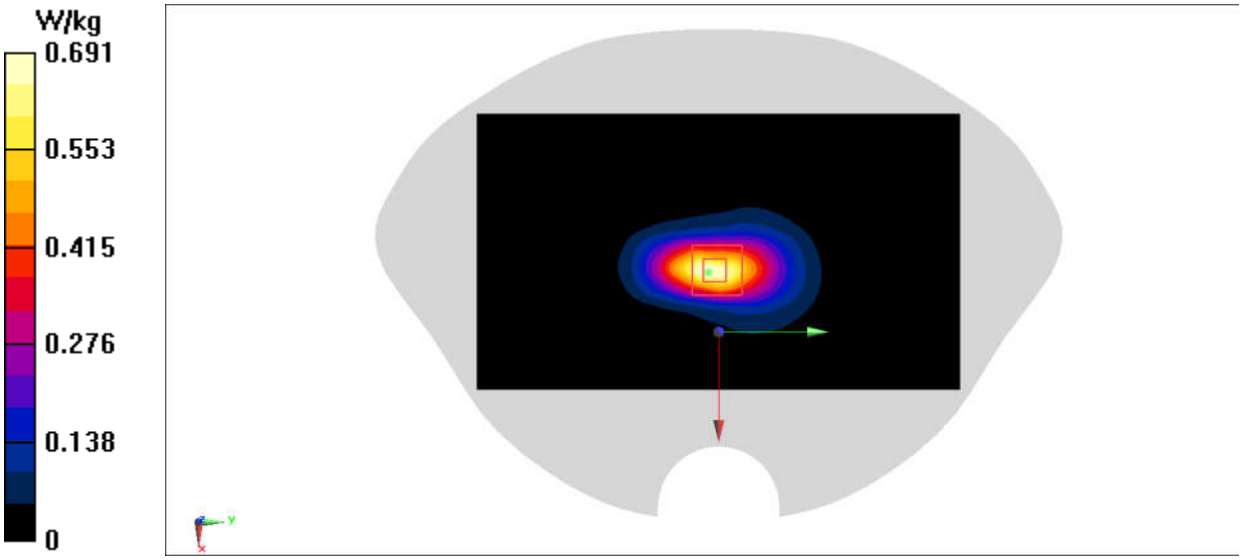


Fig.6 WCDMA Band 5 Body

LTE Band 7 Head
Date: 2023-1-16
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.934 S/m; ε_r = 38.538; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Right Cheek Middle 1RB50/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.565 W/kg

Right Cheek Middle 1RB50/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.705 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.187 W/kg
Maximum value of SAR (measured) = 0.673 W/kg

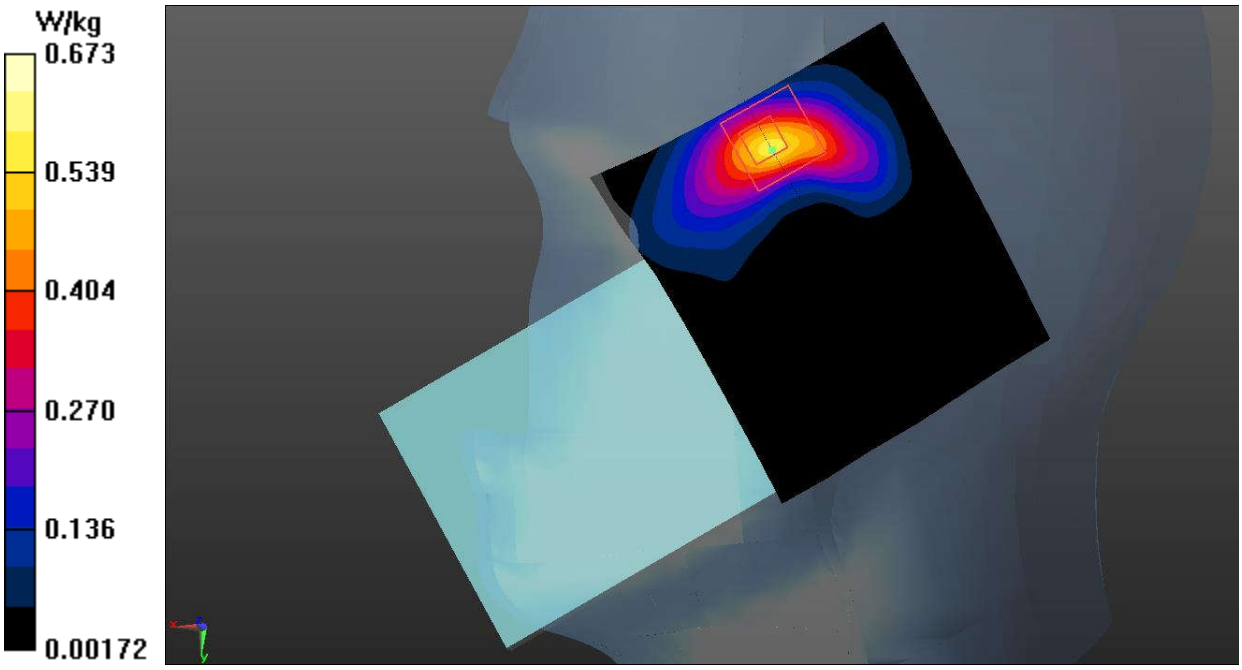


Fig.7 LTE Band 7 Head

LTE Band 7 Body
Date: 2023-1-16
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.934 S/m; ε_r = 38.538; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Rear Side Middle 1RB50/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.03 W/kg

Rear Side Middle 1RB50/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.763 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.292 W/kg
Maximum value of SAR (measured) = 1.01 W/kg

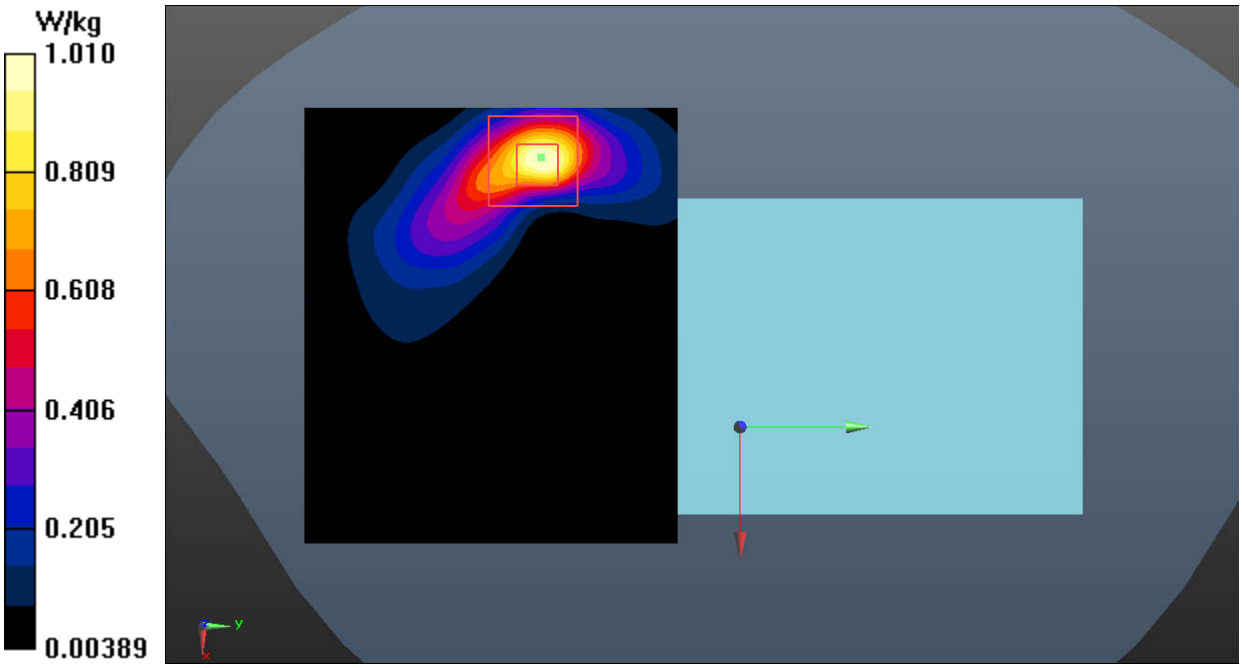


Fig.8 LTE Band 7 Body

LTE Band 12 Head
Date: 2023-1-5
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used: f = 708 MHz; σ = 0.858 S/m; ε_r = 43.027; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 707.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Cheek Middle 1RB49/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Left Cheek Middle 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.80 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.355 W/kg
Maximum value of SAR (measured) = 1.09 W/kg

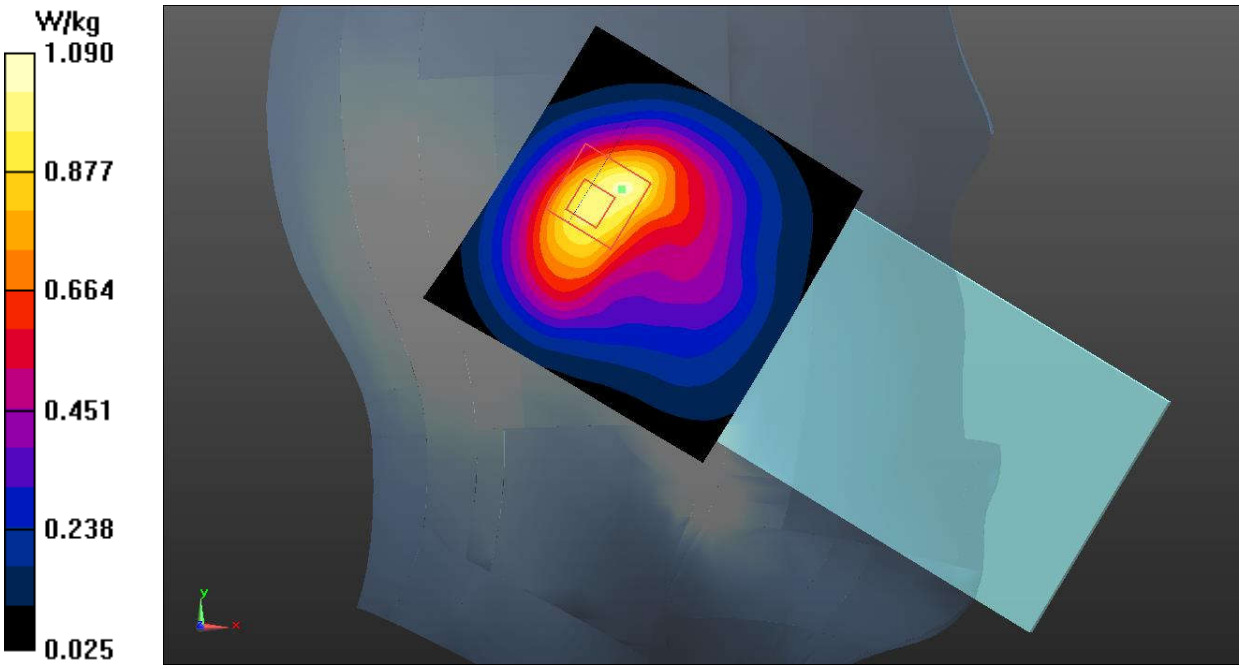


Fig.9 LTE Band 12 Head

LTE Band 12 Body
Date: 2023-1-5
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used: f = 708 MHz; σ = 0.858 S/m; ε_r = 43.027; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 707.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 1RB49/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.503 W/kg

Rear Side Middle 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.19 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.641 W/kg
SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.220 W/kg
Maximum value of SAR (measured) = 0.504 W/kg

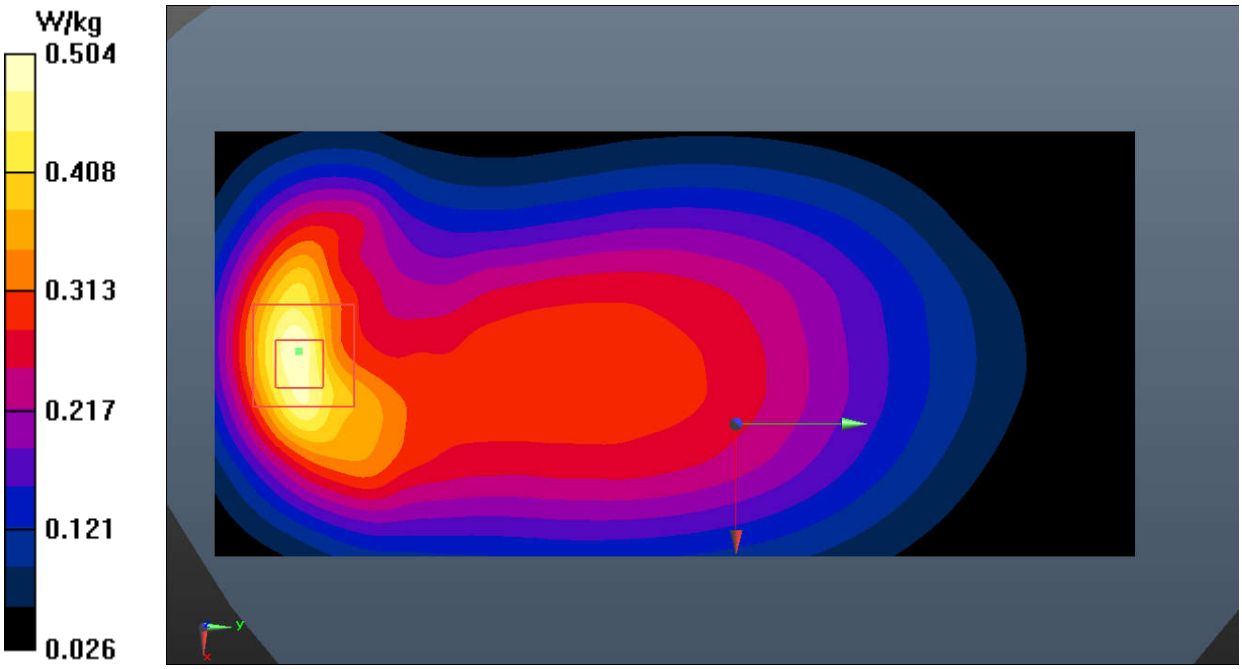


Fig.10 LTE Band 12 Body

LTE Band 13 Head
Date: 2023-1-5
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used: f = 782 MHz; σ = 0.905 S/m; ε_r = 42.139; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Cheek Middle 1RB49/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.995 W/kg

Left Cheek Middle 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.23 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.436 W/kg
Maximum value of SAR (measured) = 1.04 W/kg

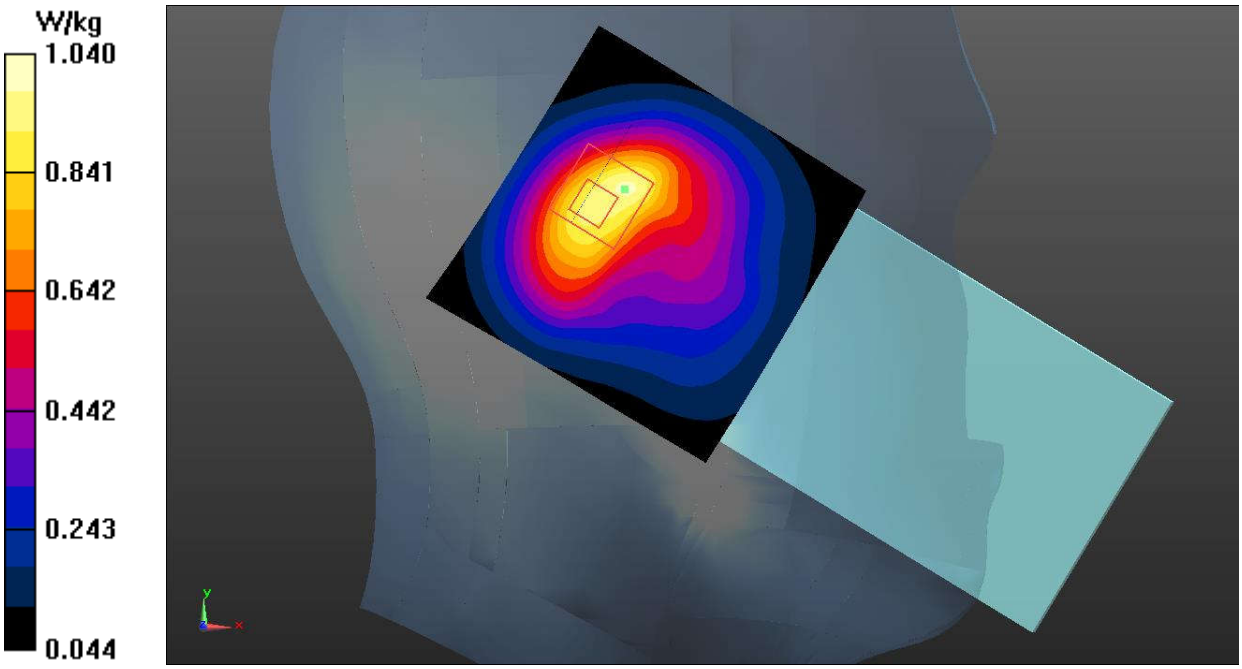


Fig.11 LTE Band 13 Head

LTE Band 13 Body
Date: 2023-1-5
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used: f = 782 MHz; σ = 0.905 S/m; ε_r = 42.139; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 1RB49/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.664 W/kg

Rear Side Middle 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.90 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.876 W/kg
SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.231 W/kg
Maximum value of SAR (measured) = 0.695 W/kg

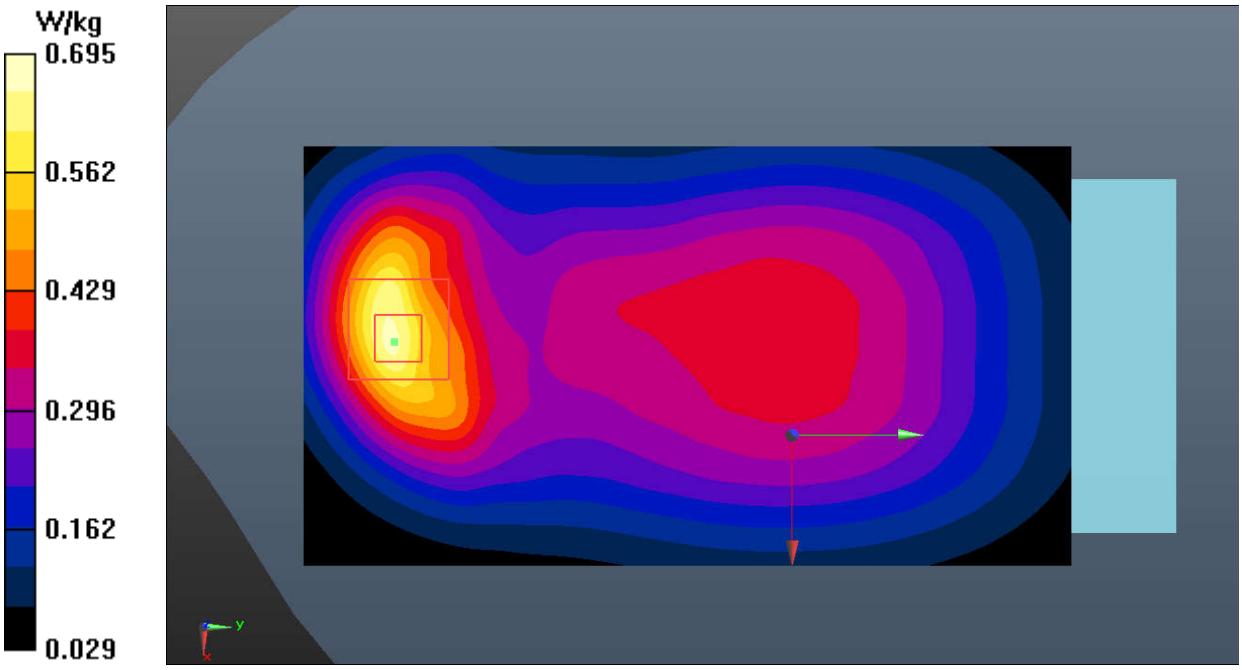


Fig.12 LTE Band 13 Body

LTE Band 25 Head
Date: 2023-1-8
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1860 MHz; σ = 1.333 S/m; ε_r = 41.798; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Left Cheek Low 50RB25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Left Cheek Low 50RB25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.96 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 0.894 W/kg; SAR(10 g) = 0.480 W/kg
Maximum value of SAR (measured) = 1.23 W/kg

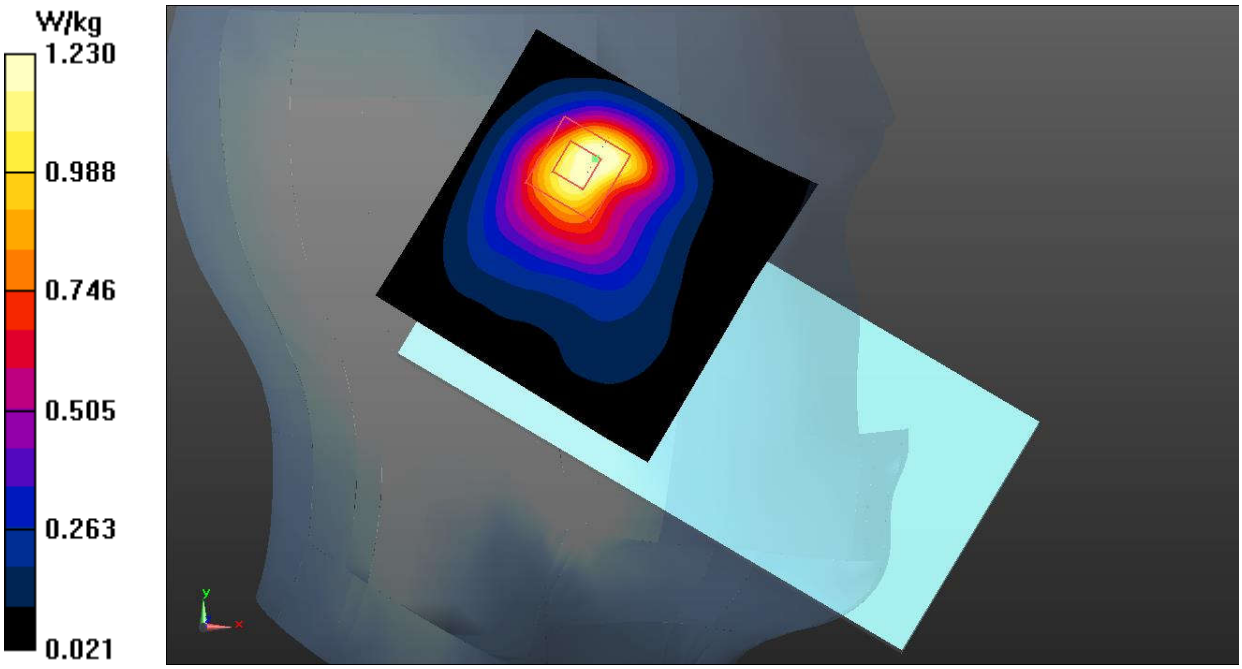


Fig.13 LTE Band 25 Head

LTE Band 25 Body
Date: 2023-1-8
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.358 S/m; ε_r = 41.686; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1882.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Rear Side Middle 50RB25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.579 W/kg

Rear Side Middle 50RB25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.195 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.748 W/kg
SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.230 W/kg
Maximum value of SAR (measured) = 0.568 W/kg

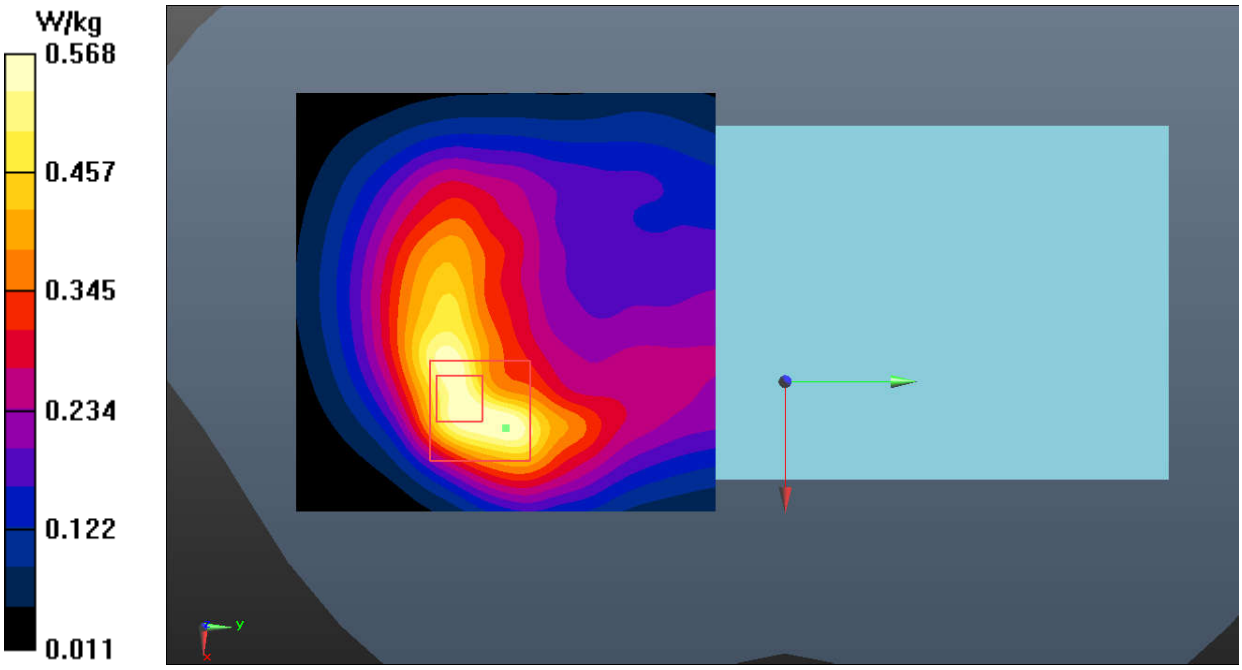


Fig.14 LTE Band 25 Body

LTE Band 26 Head
Date: 2023-1-7
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used: f = 842 MHz; σ = 0.929 S/m; ε_r = 40.387; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 841.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Cheek High 1RB37/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Left Cheek High 1RB37/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.59 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.506 W/kg
Maximum value of SAR (measured) = 1.17 W/kg

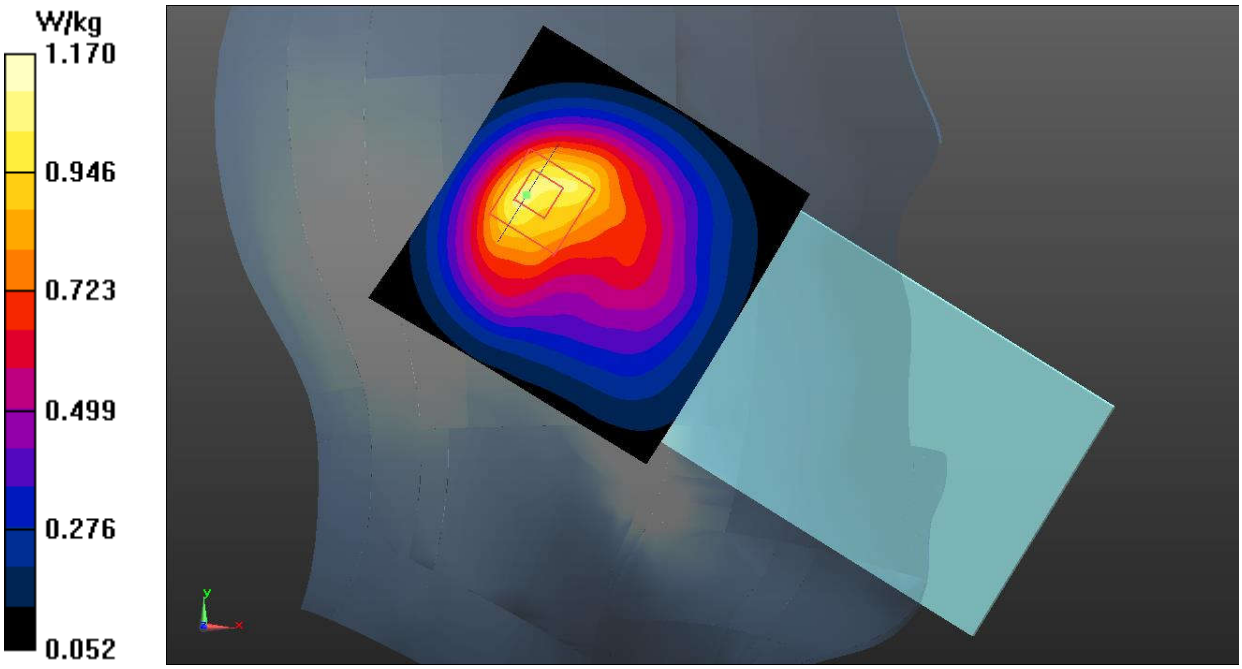


Fig.15 LTE Band 26 Head

LTE Band 26 Body
Date: 2023-1-7
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 822.5 MHz; σ = 0.912 S/m; ε_r = 40.621; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 822.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Low 1RB37/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.372 W/kg

Rear Side Low 1RB37/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.27 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.432 W/kg
SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.197 W/kg
Maximum value of SAR (measured) = 0.391 W/kg

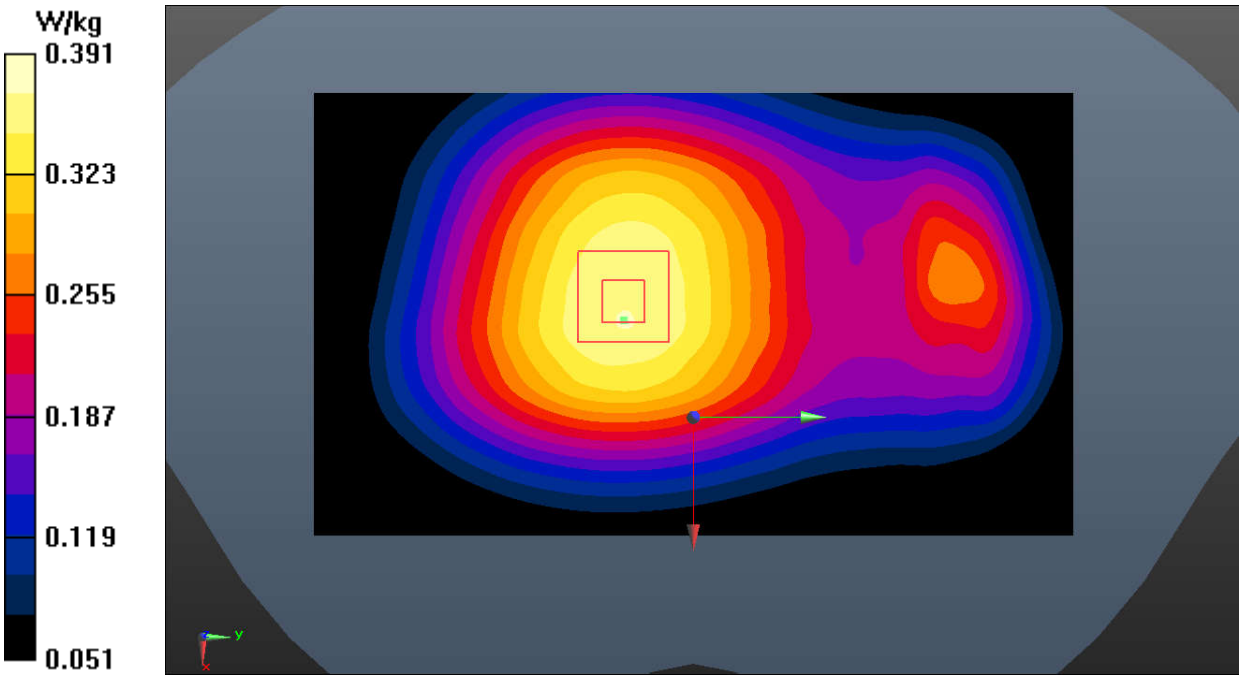


Fig.16 LTE Band 26 Body

LTE Band 41 Head
Date: 2023-1-17
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2636.5 MHz; σ = 2.04 S/m; ε_r = 38.339; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_TDD (0) Frequency: 2636.5 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Right Cheek Middle-H 1RB50/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.611 W/kg

Right Cheek Middle-H 1RB50/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.997 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.192 W/kg
Maximum value of SAR (measured) = 0.726 W/kg

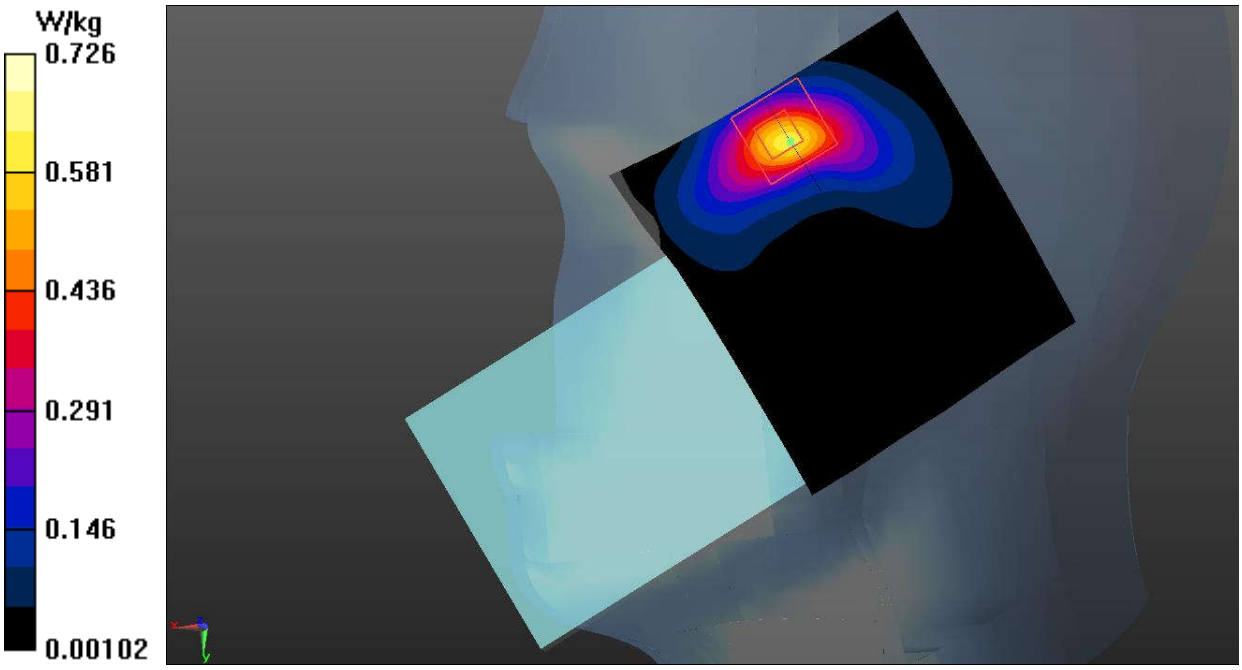


Fig.17 LTE Band 41 Head

LTE Band 41 Body
Date: 2023-1-17
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2636.5 MHz; σ = 2.04 S/m; ε_r = 38.339; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_TDD (0) Frequency: 2636.5 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Rear Side Middle-H 1RB50/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.911 W/kg

Rear Side Middle-H 1RB50/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.809 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.275 W/kg
Maximum value of SAR (measured) = 0.958 W/kg

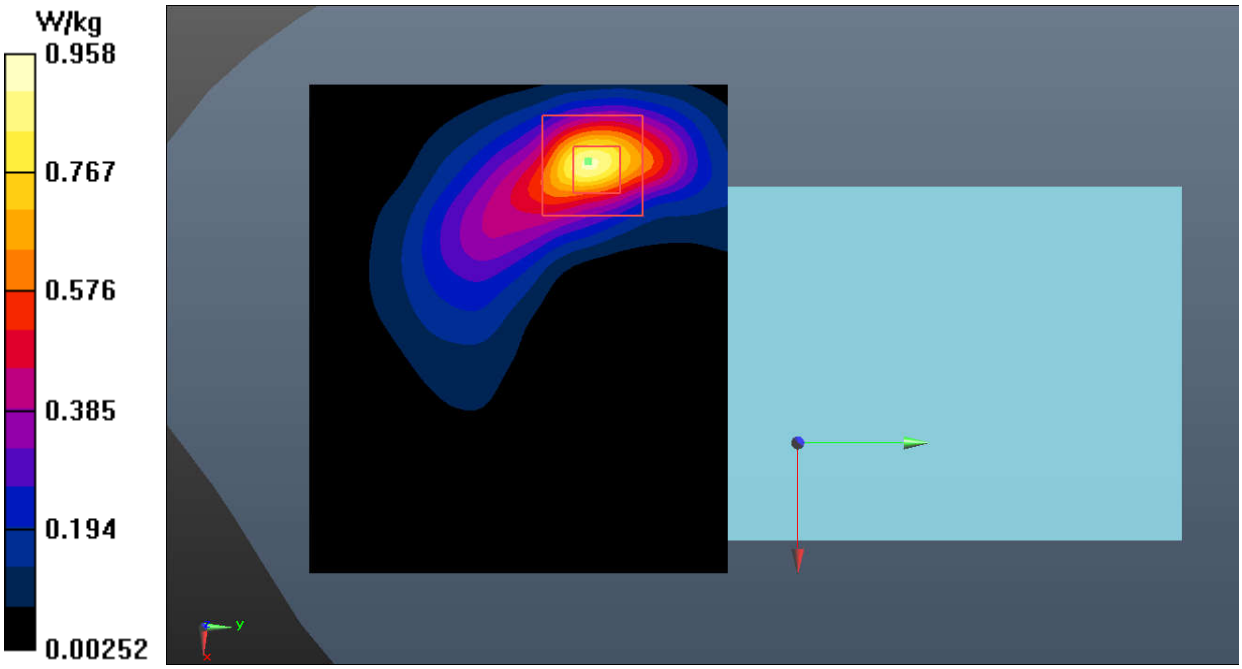


Fig.18 LTE Band 41 Body

LTE Band 66 Head
Date: 2023-1-15
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1770 MHz; σ = 1.383 S/m; ε_r = 40.754; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1770 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Left Cheek High 1RB0/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.33 W/kg

Left Cheek High 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.32 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.551 W/kg
Maximum value of SAR (measured) = 1.29 W/kg

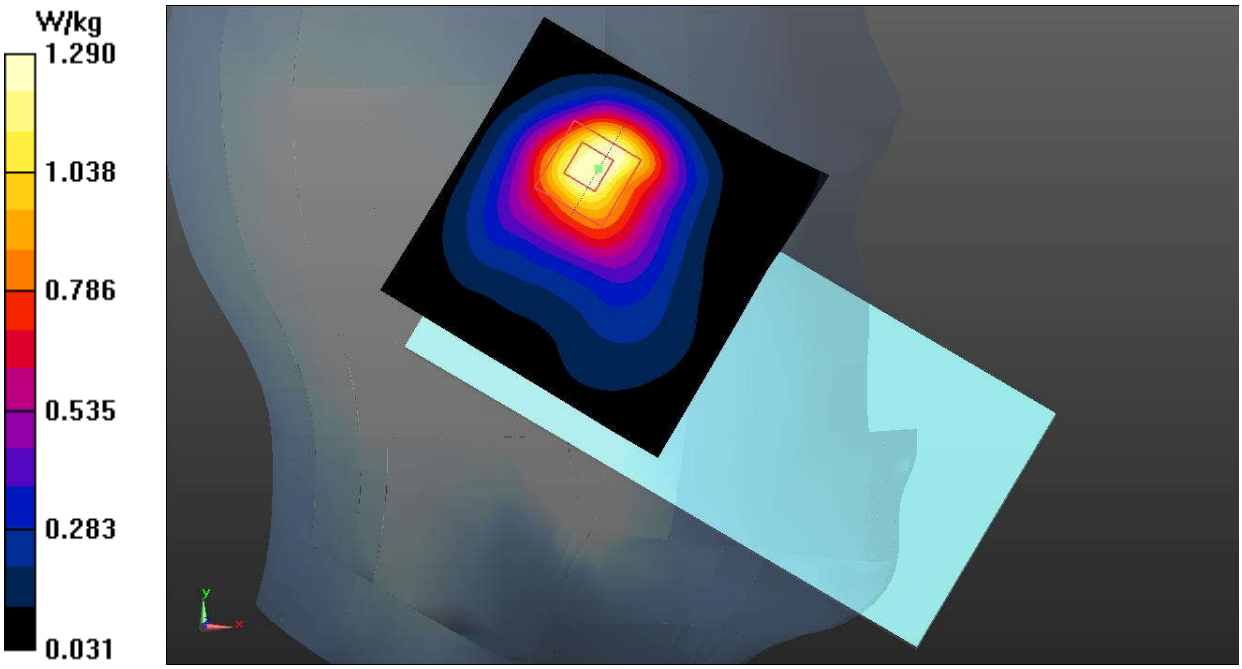


Fig.19 LTE Band 66 Head

LTE Band 66 Body
Date: 2023-1-15
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1720 MHz; σ = 1.339 S/m; ε_r = 40.949; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1720 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Rear Side Low 50RB0/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.510 W/kg

Rear Side Low 50RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.638 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.712 W/kg
SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.217 W/kg
Maximum value of SAR (measured) = 0.509 W/kg

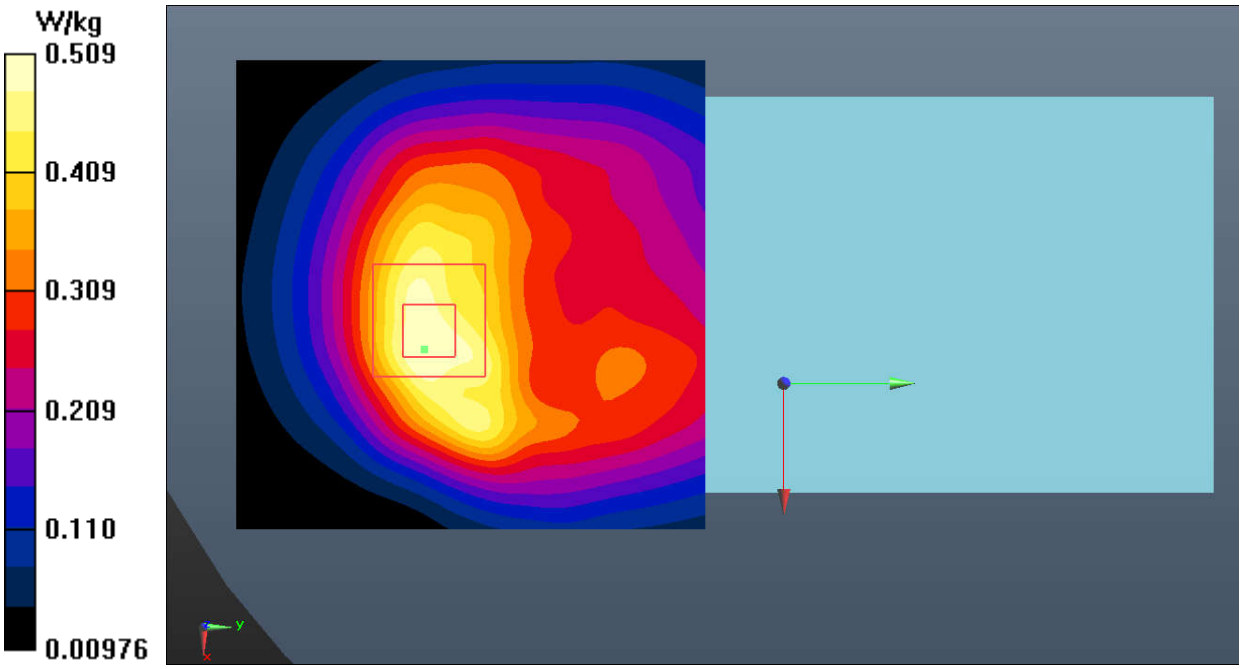


Fig.20 LTE Band 66 Body

LTE Band 71 Head
Date: 2023-1-14
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used (extrapolated): f = 673 MHz; σ = 0.865 S/m; ε_r = 41.882; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 673 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Low 1RB99/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.956 W/kg

Right Cheek Low 1RB99/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.93 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.358 W/kg
Maximum value of SAR (measured) = 0.797 W/kg

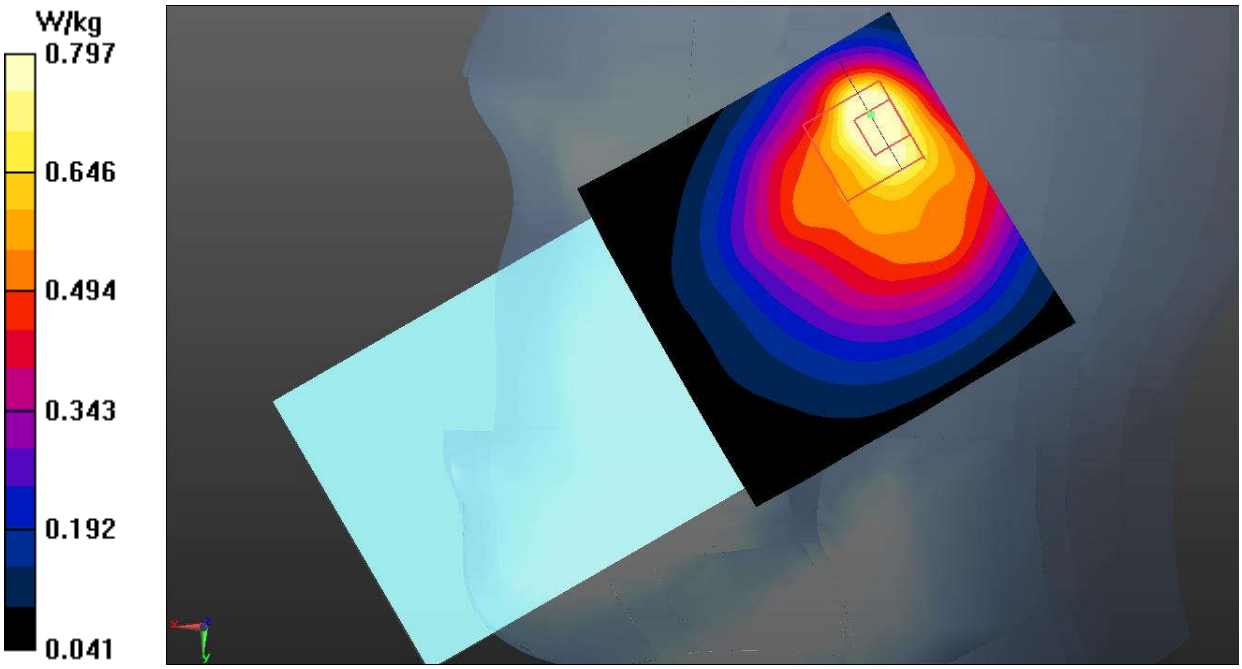


Fig.21 LTE Band 71 Head

LTE Band 71 Body
Date: 2023-1-14
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used (extrapolated): f = 673 MHz; σ = 0.865 S/m; ε_r = 41.882; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 673 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Low 1RB99/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.418 W/kg

Rear Side Low 1RB99/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.90 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.187 W/kg
Maximum value of SAR (measured) = 0.426 W/kg

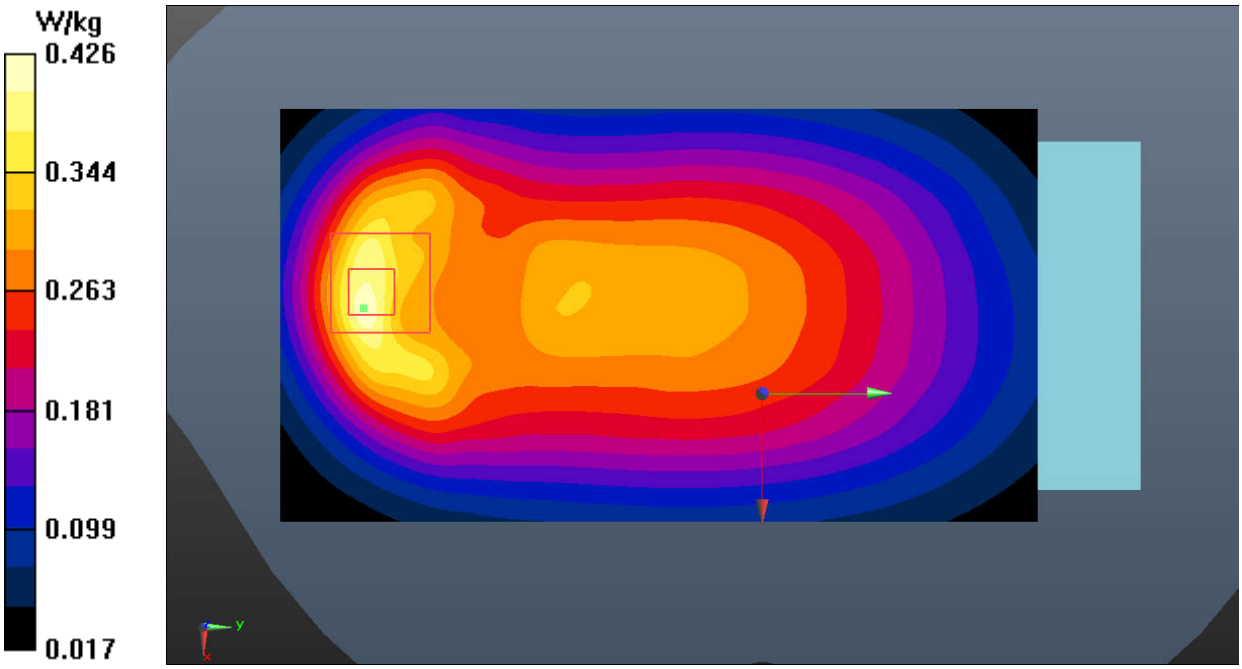


Fig.22 LTE Band 71 Body

NR n5 Head
Date: 2023-1-7
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.924 S/m; ε_r = 40.453; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 836.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Cheek Middle 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.784 W/kg

Left Cheek Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.90 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.643 W/kg; SAR(10 g) = 0.378 W/kg
Maximum value of SAR (measured) = 0.855 W/kg

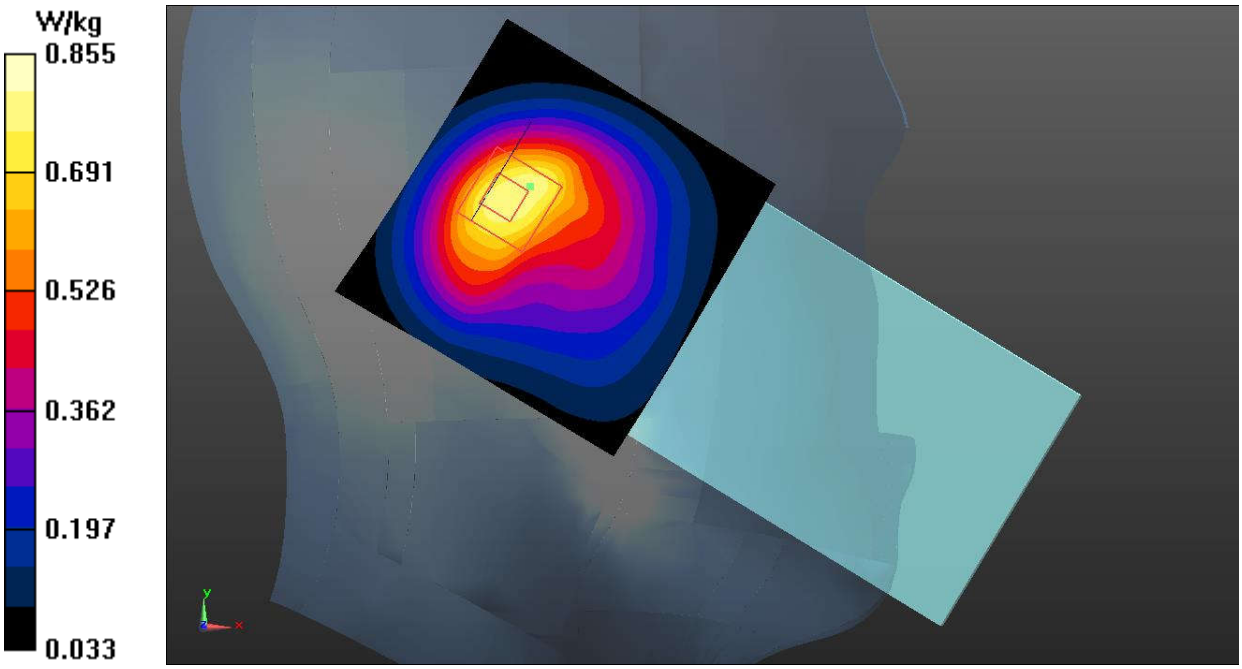


Fig.23 NR n5 Head

NR n5 Body
Date: 2023-1-7
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.924 S/m; ε_r = 40.453; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 836.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 50@25/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.567 W/kg

Rear Side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.82 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.726 W/kg
SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.261 W/kg
Maximum value of SAR (measured) = 0.565 W/kg

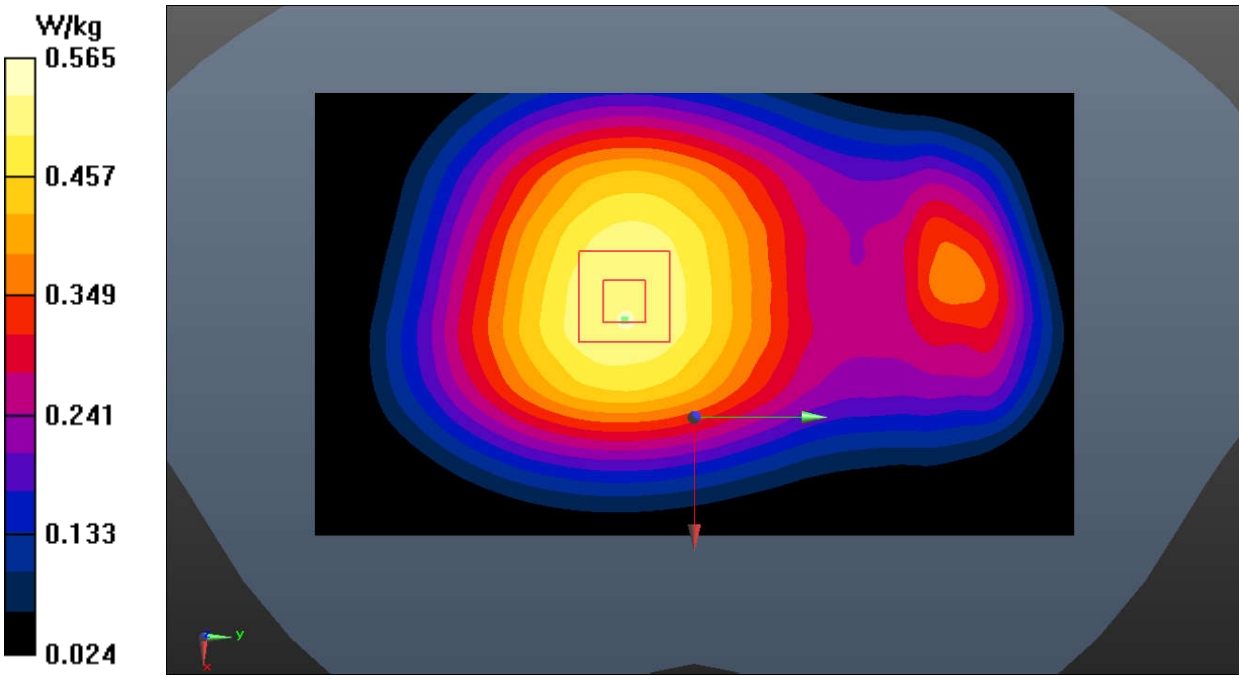


Fig.24 NR n5 Body

NR n7 Head
Date: 2023-1-16
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.934 S/m; ε_r = 38.538; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 2535 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Right Cheek Middle 50@25/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.964 W/kg

Right Cheek Middle 50@25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.917 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.248 W/kg
Maximum value of SAR (measured) = 0.873 W/kg

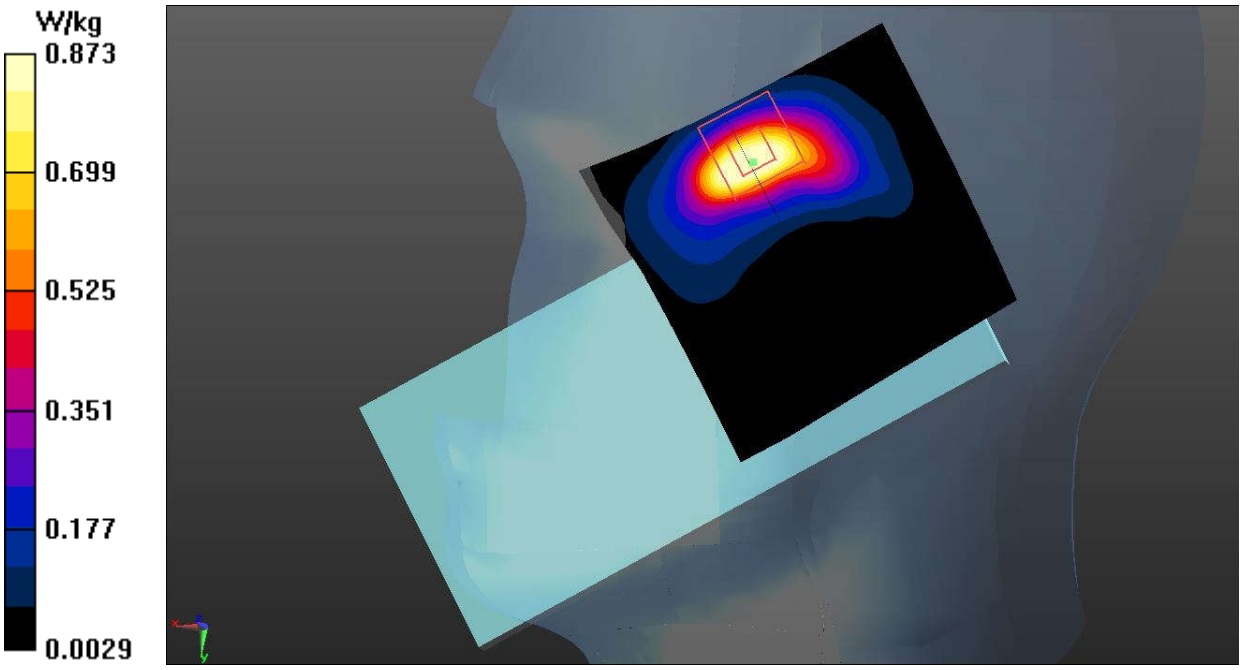


Fig.25 NR n7 Head

NR n7 Body
Date: 2023-1-16
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.934 S/m; ε_r = 38.538; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 2535 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Rear Side Middle 50@25/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.827 W/kg

Rear Side Middle 50@25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.225 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.298 W/kg
Maximum value of SAR (measured) = 1.01 W/kg

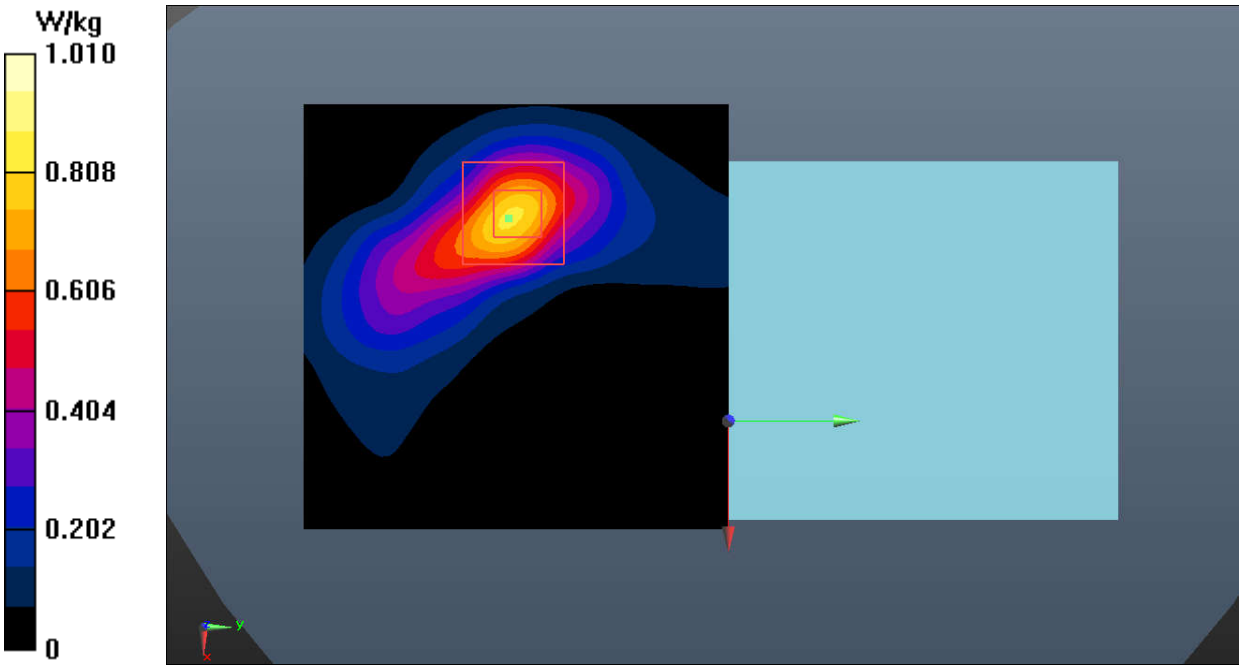


Fig.26 NR n7 Body

NR n25 Head
Date: 2023-1-8
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1860 MHz; σ = 1.405 S/m; ε_r = 39.26; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 1860 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Left Cheek Low 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.811 W/kg

Left Cheek Low 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.52 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.326 W/kg
Maximum value of SAR (measured) = 0.833 W/kg

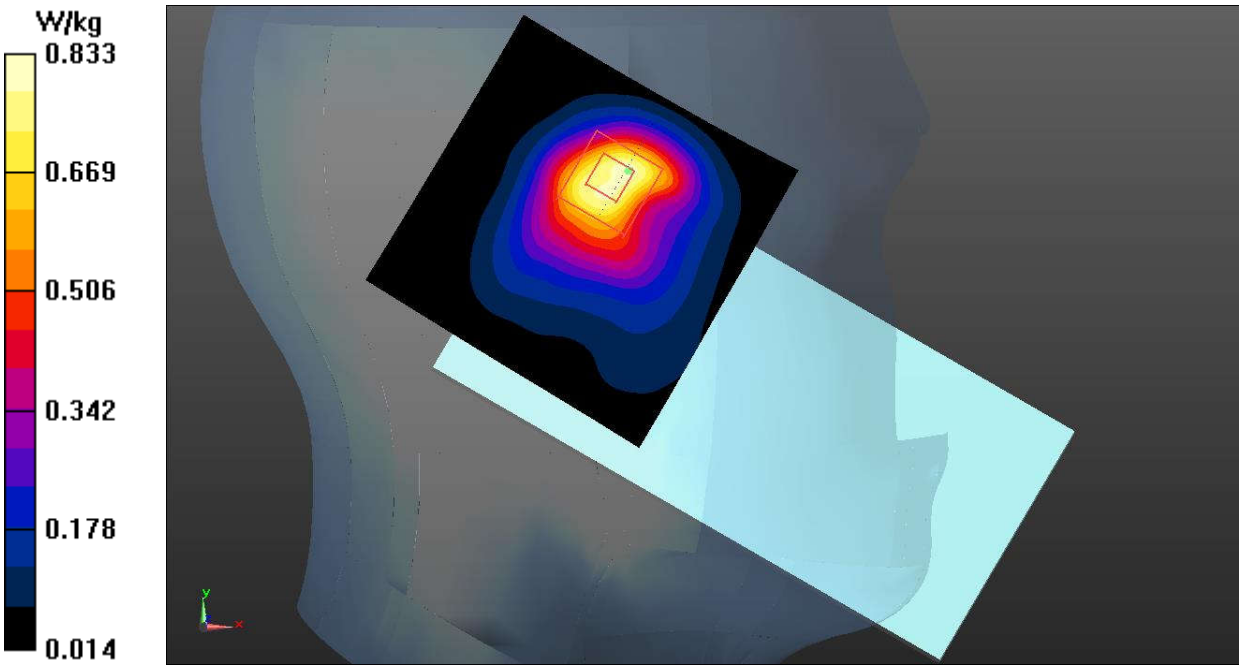


Fig.27 NR n25 Head

NR n25 Body

Date: 2023-1-8

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.358 S/m; ε_r = 41.686; ρ = 1000 kg/m^3

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

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Rear Side Middle 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

Rear Side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.47 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.406 W/kg

Maximum value of SAR (measured) = 0.936 W/kg

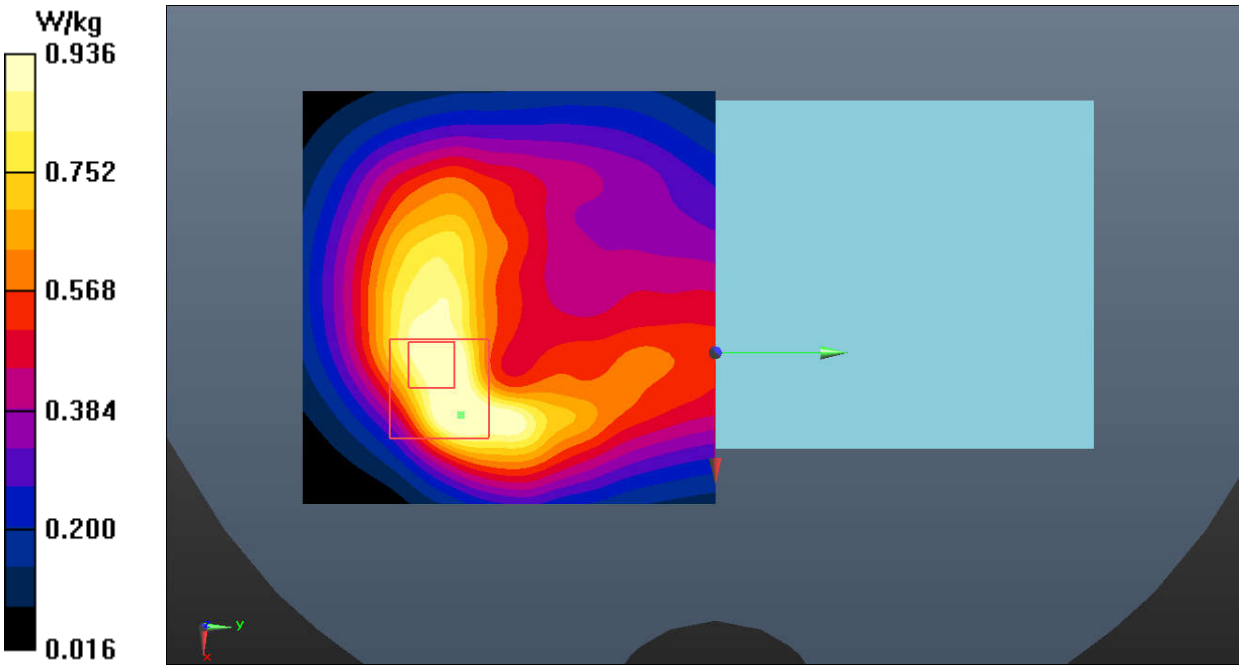


Fig.28 NR n25 Body

NR n41 Head
Date: 2023-1-17
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2593 MHz; σ = 1.989 S/m; ε_r = 38.482; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 2593 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Right Cheek Middle 135@67/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.945 W/kg

Right Cheek Middle 135@67/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.626 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.258 W/kg
Maximum value of SAR (measured) = 0.807 W/kg

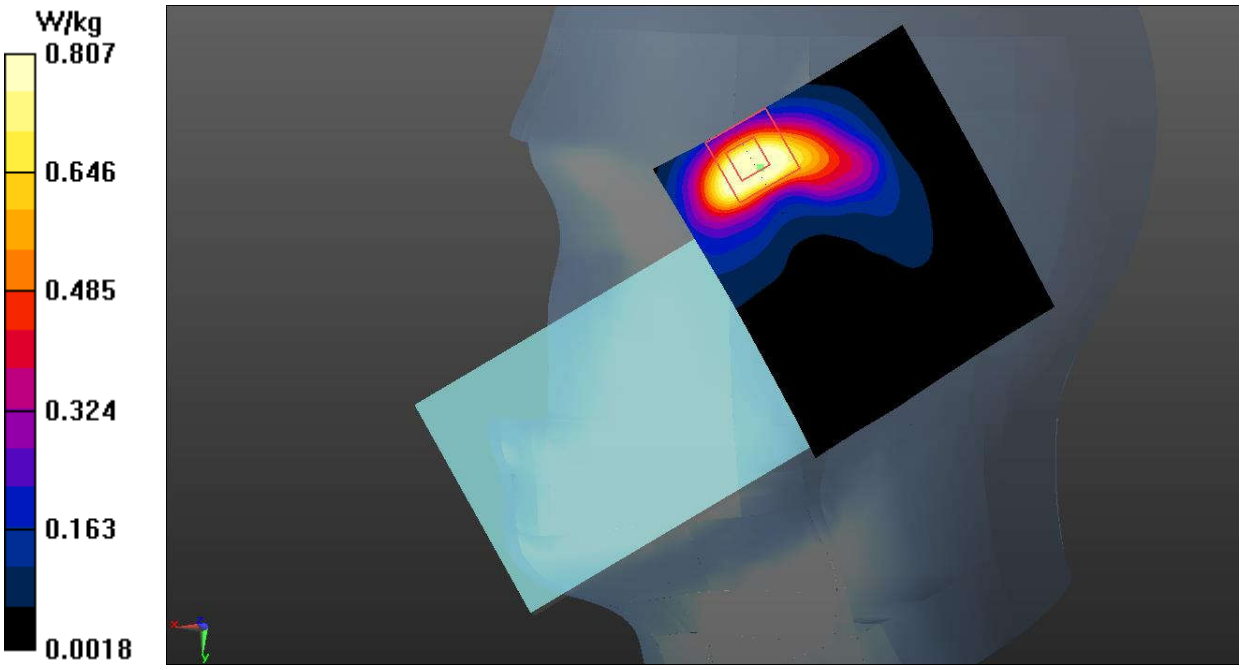


Fig.29 NR n41 Head

NR n41 Body
Date: 2023-1-17
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2593 MHz; σ = 1.989 S/m; ε_r = 38.482; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 2593 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Left Side Middle 135@67/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.817 W/kg

Left Side Middle 135@67/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.931 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.258 W/kg
Maximum value of SAR (measured) = 0.936 W/kg

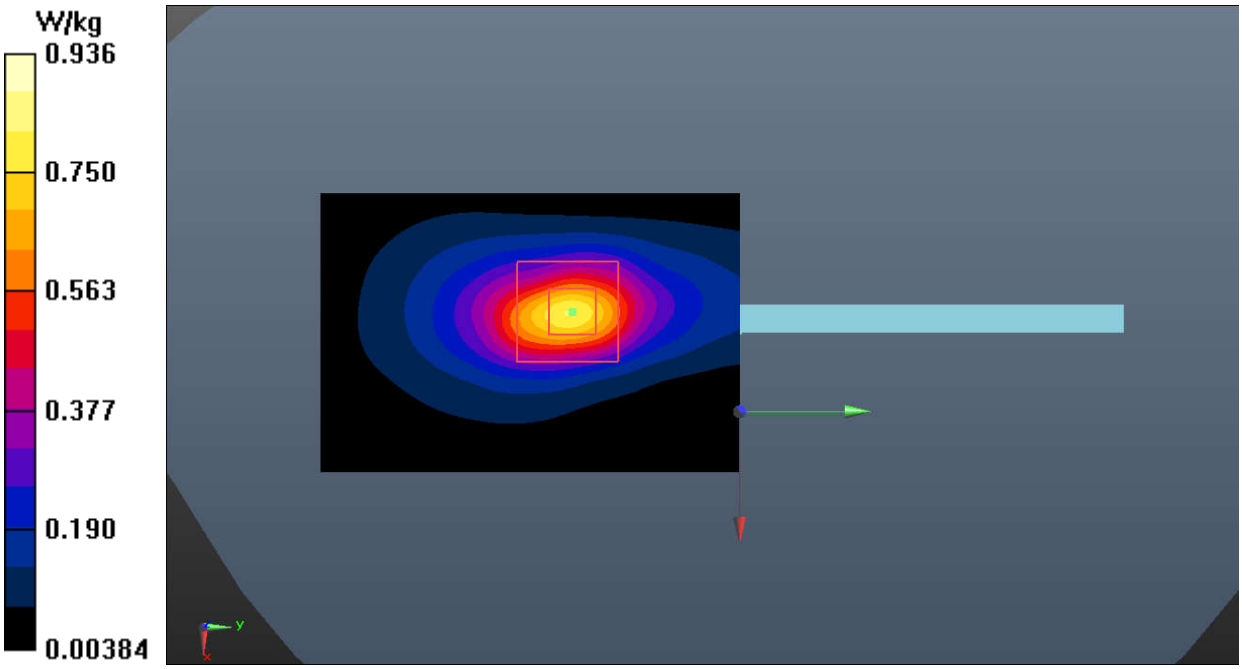


Fig.30 NR n41 Body

NR n66 Head
Date: 2023-1-15
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1760 MHz; σ = 1.374 S/m; ε_r = 40.793; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 1760 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Left Cheek High 108@54/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.46 W/kg

Left Cheek High 108@54/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.83 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.83 W/kg
SAR(1 g) = 0.964 W/kg; SAR(10 g) = 0.529 W/kg
Maximum value of SAR (measured) = 1.32 W/kg

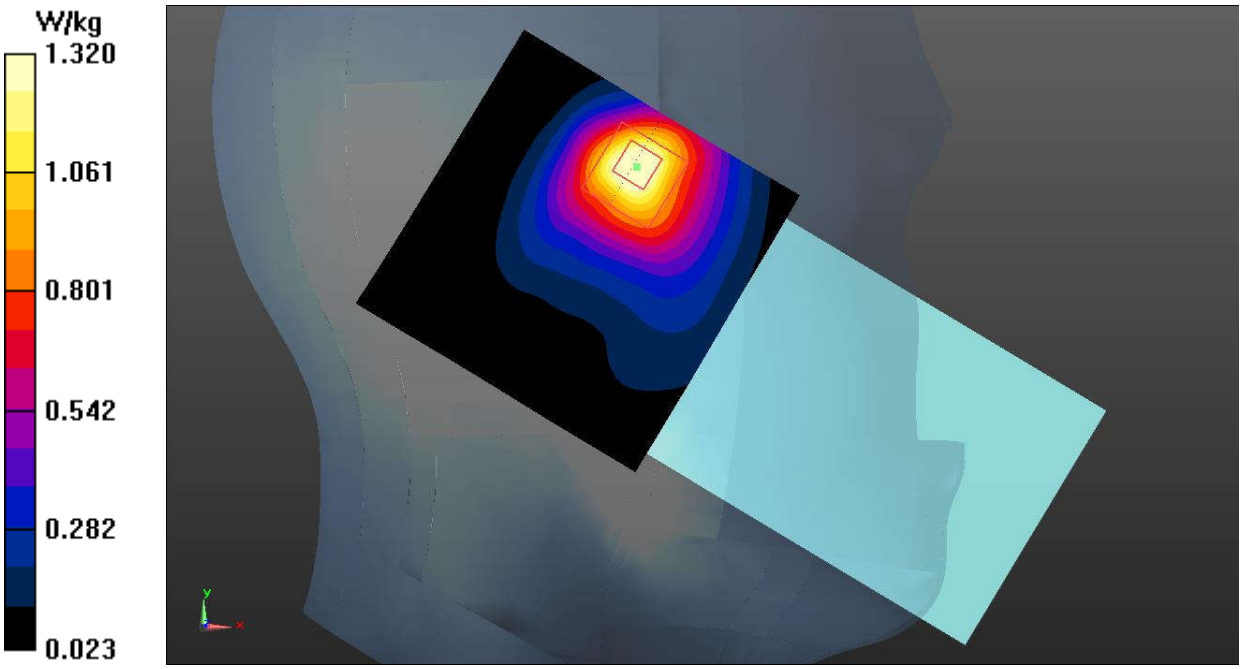


Fig.31 NR n66 Head

NR n66 Body
Date: 2023-1-15
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1745 MHz; σ = 1.361 S/m; ε_r = 40.852; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Rear Side Middle 108@54/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.752 W/kg

Rear Side Middle 108@54/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.94 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.966 W/kg
SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.353 W/kg
Maximum value of SAR (measured) = 0.739 W/kg

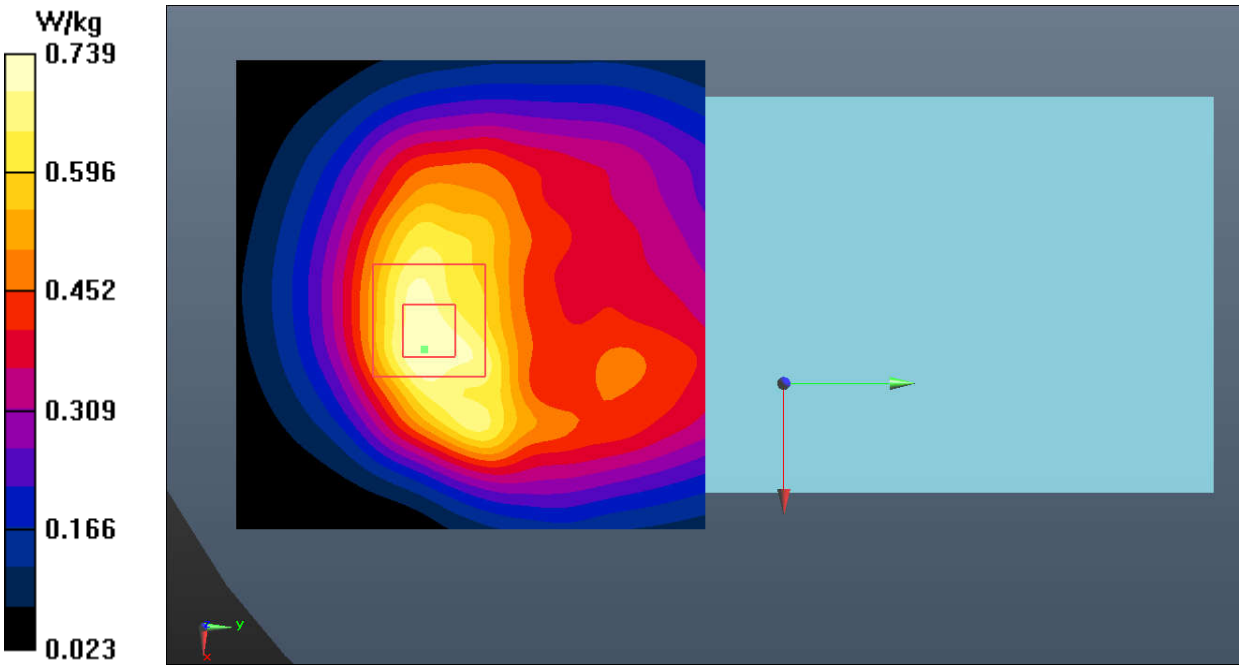


Fig.32 NR n66 Body

NR n71 Head
Date: 2023-1-14
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used (extrapolated): f = 680.5 MHz; σ = 0.87 S/m; ε_r = 41.792; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 680.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Cheek Middle 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.807 W/kg

Left Cheek Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.01 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.349 W/kg
Maximum value of SAR (measured) = 0.879 W/kg

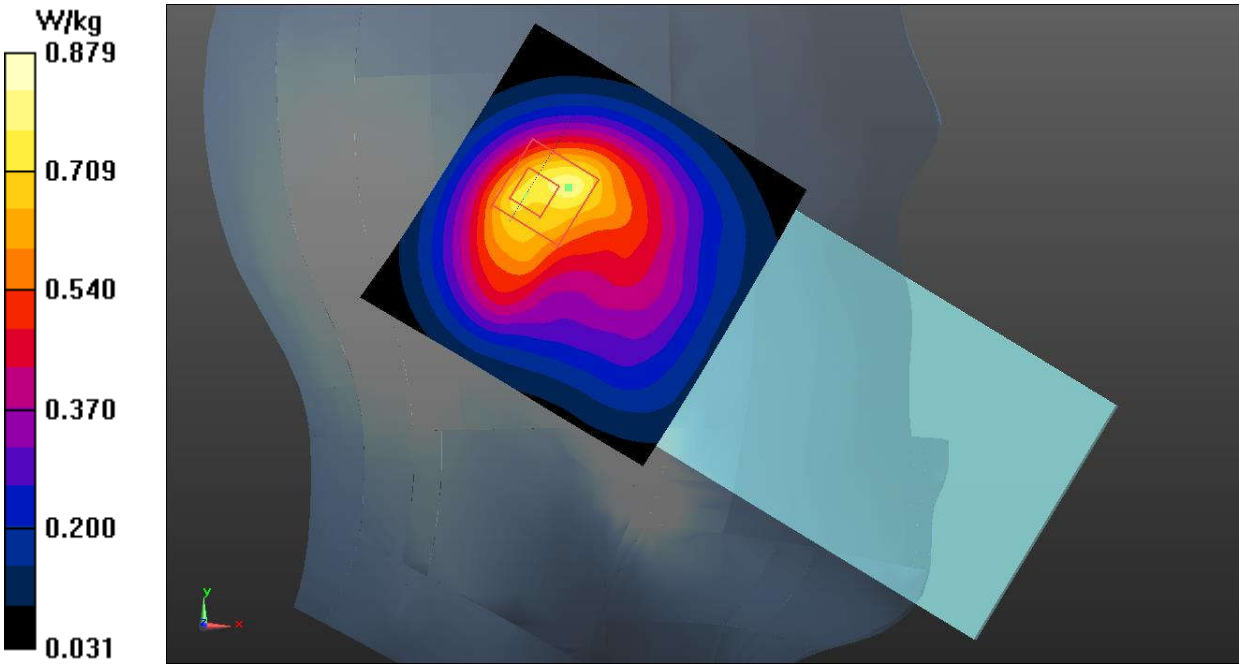


Fig.33 NR n71 Head

NR n71 Body
Date: 2023-1-14
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used (extrapolated): f = 680.5 MHz; σ = 0.87 S/m; ε_r = 41.792; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 680.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 50@25/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.460 W/kg

Rear Side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.77 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.622 W/kg
SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.209 W/kg
Maximum value of SAR (measured) = 0.477 W/kg

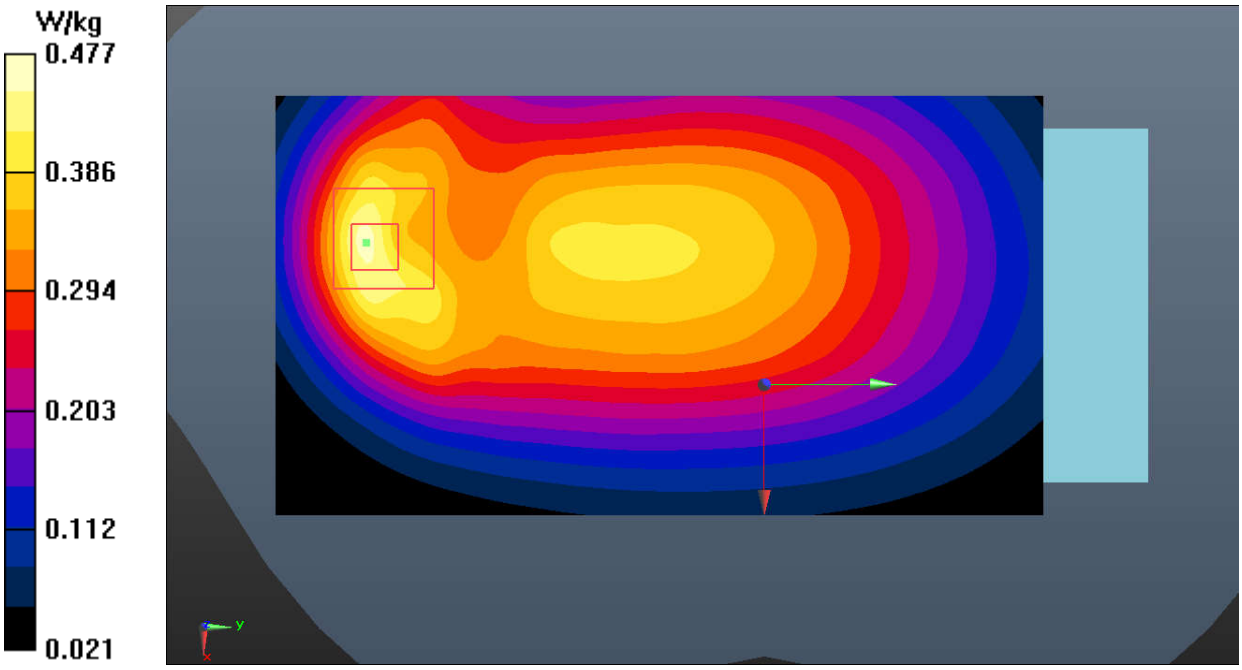


Fig.34 NR n71 Body

NR n77 Part 27Q Head
Date: 2023-1-9
Electronics: DAE4 Sn1527
Medium: Head 3500MHz
Medium parameters used: f = 3500 MHz; σ = 2.866 S/m; ε_r = 38.702; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 3500 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.56, 7.56, 7.56)

Left Tilt Middle 135@67/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.439 W/kg

Left Tilt Middle 135@67/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.180 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.149 W/kg
Maximum value of SAR (measured) = 0.695 W/kg

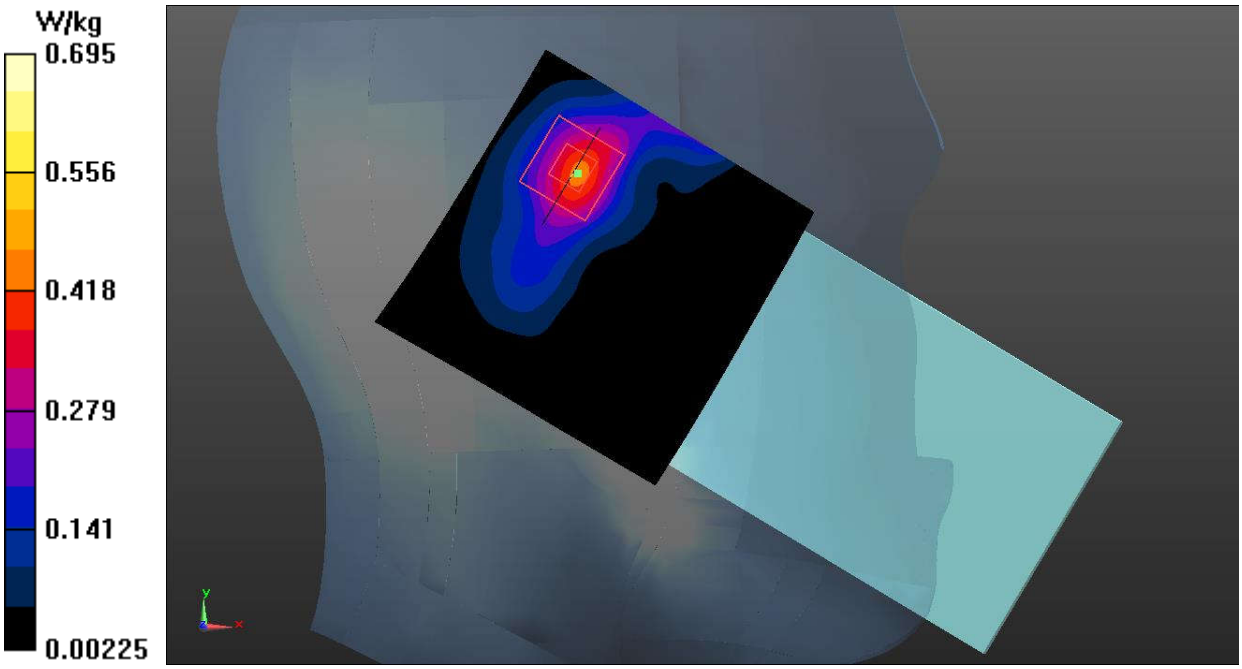


Fig.35 NR n77 Part 27Q Head

NR n77 Part 27Q Body
Date: 2023-1-9
Electronics: DAE4 Sn1527
Medium: Head 3500MHz
Medium parameters used: f = 3500 MHz; σ = 2.866 S/m; ε_r = 38.702; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 3500 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.56, 7.56, 7.56)

Rear Side Middle 135@67/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.55 W/kg

Rear Side Middle 135@67/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.585 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.400 W/kg
Maximum value of SAR (measured) = 1.51 W/kg

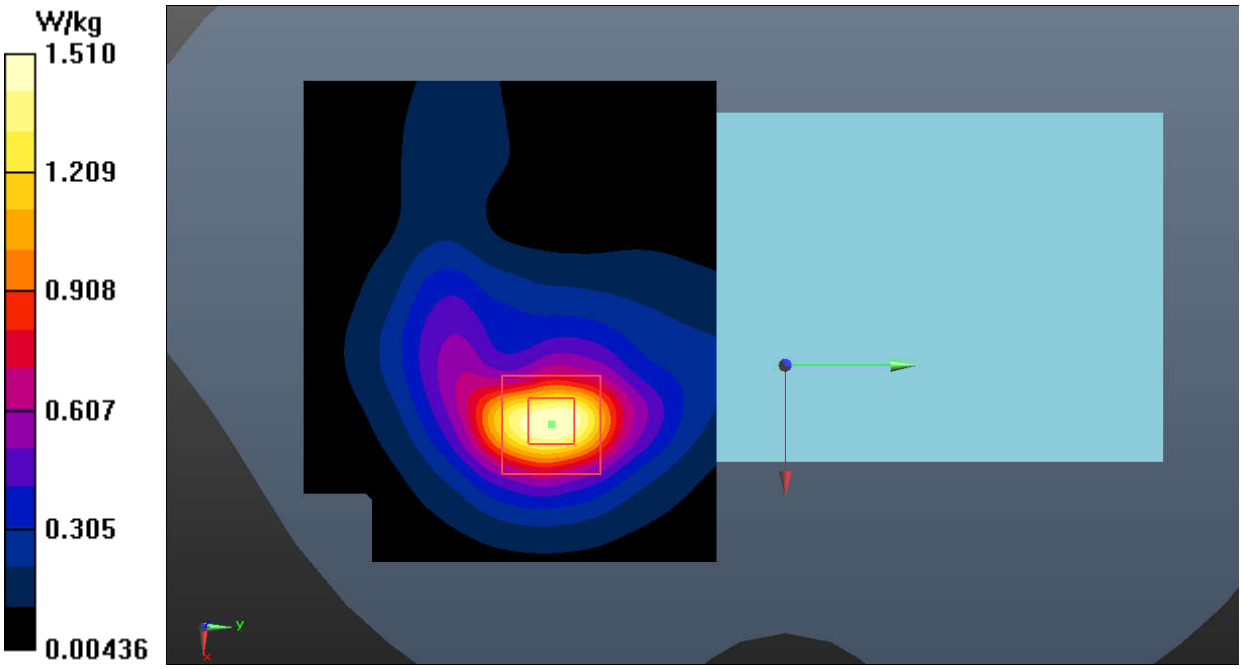


Fig.36 NR n77 Part 27Q Body

NR n77 Part 27O Head
Date: 2023-1-9
Electronics: DAE4 Sn1527
Medium: Head 3900MHz
Medium parameters used: f = 3840 MHz; σ = 3.288 S/m; ε_r = 37.023; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 3840 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.26, 7.26, 7.26)

Left Tilt Middle 135@67/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.493 W/kg

Left Tilt Middle 135@67/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.553 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.38 W/kg
SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.211 W/kg
Maximum value of SAR (measured) = 0.890 W/kg

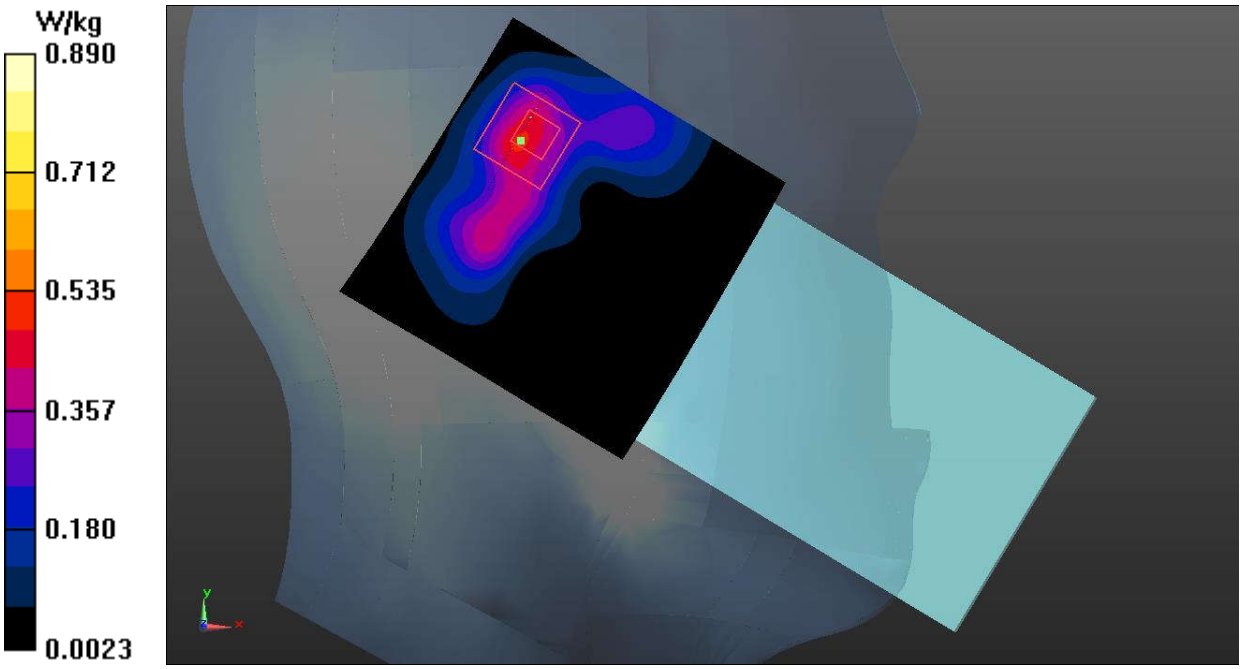


Fig.37 NR n77 Part 27O Head

NR n77 Part 27O Body
Date: 2023-1-9
Electronics: DAE4 Sn1527
Medium: Head 3900MHz
Medium parameters used: f = 3930 MHz; σ = 3.394 S/m; ε_r = 37.726; ρ = 1000 kg/m^3
Communication System: UID 0, NR (0) Frequency: 3930 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.26, 7.26, 7.26)

Rear Side High 135@67/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.52 W/kg

Rear Side High 135@67/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.208 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.36 W/kg
SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.386 W/kg
Maximum value of SAR (measured) = 1.53 W/kg

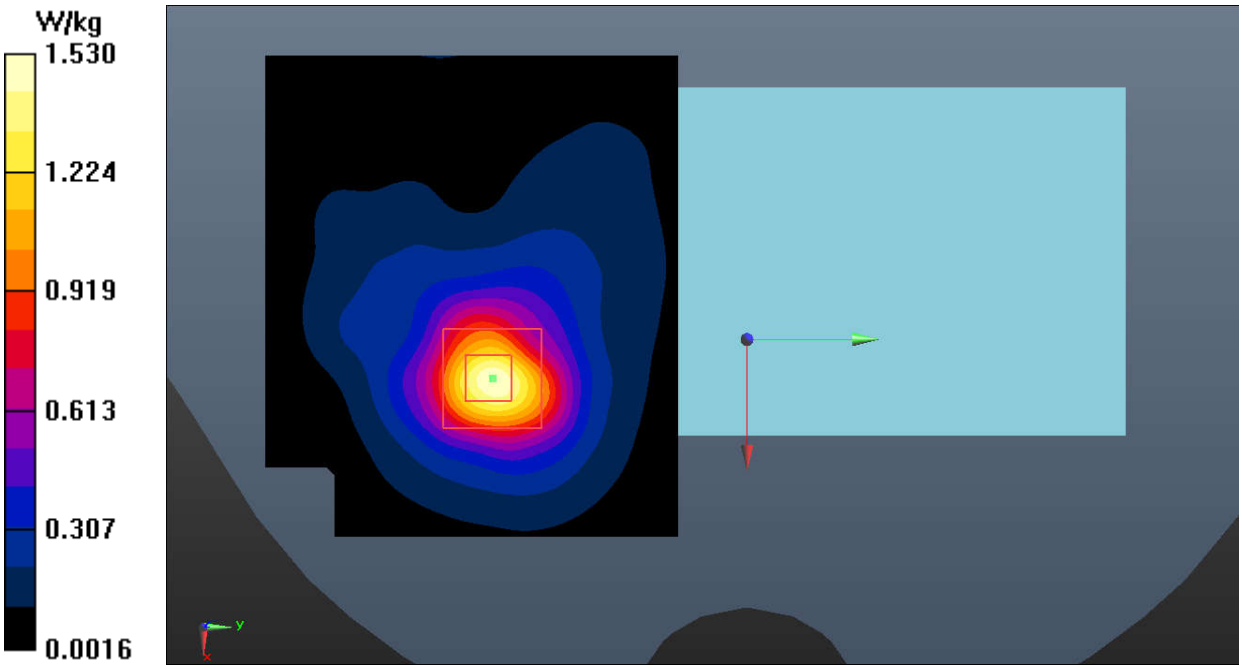


Fig.38 NR n77 Part 27O Body

Bluetooth Head
Date: 2023-1-10
Electronics: DAE4 Sn1331
Medium: Head 2450MHz
Medium parameters used: f = 2480 MHz; σ = 1.879 S/m; εr = 38.728; ρ = 1000 kg/m3
Communication System: UID 0, BT (0) Frequency: 2480 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7600 ConvF (7.96, 7.96, 7.96)

Left Cheek High/Area Scan (101x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.287 W/kg

Left Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.100 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.030 W/kg
Maximum value of SAR (measured) = 0.115 W/kg

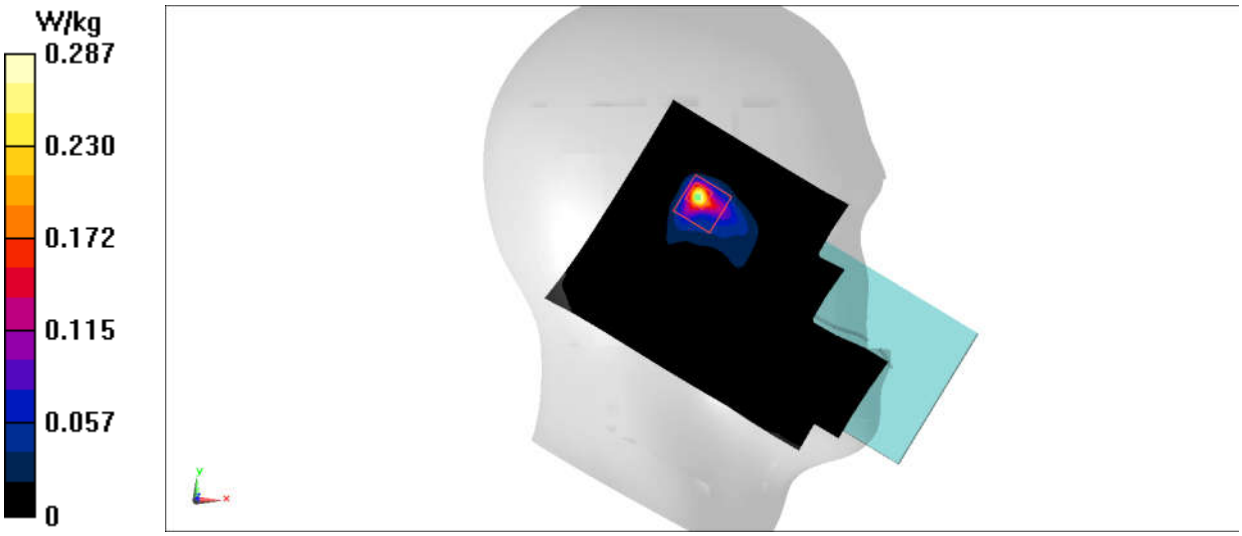


Fig.39 Bluetooth Head

WLAN 2.4GHz Head
Date: 2023-1-10
Electronics: DAE4 Sn1331
Medium: Head 2450MHz
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.826 S/m; εr = 38.841; ρ = 1000 kg/m3
Communication System: UID 0, WLAN (0) Frequency: 2412 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7600 ConvF (7.96, 7.96, 7.96)

Left Cheek Low/Area Scan (101x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Left Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.400 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.317 W/kg
Maximum value of SAR (measured) = 0.980 W/kg

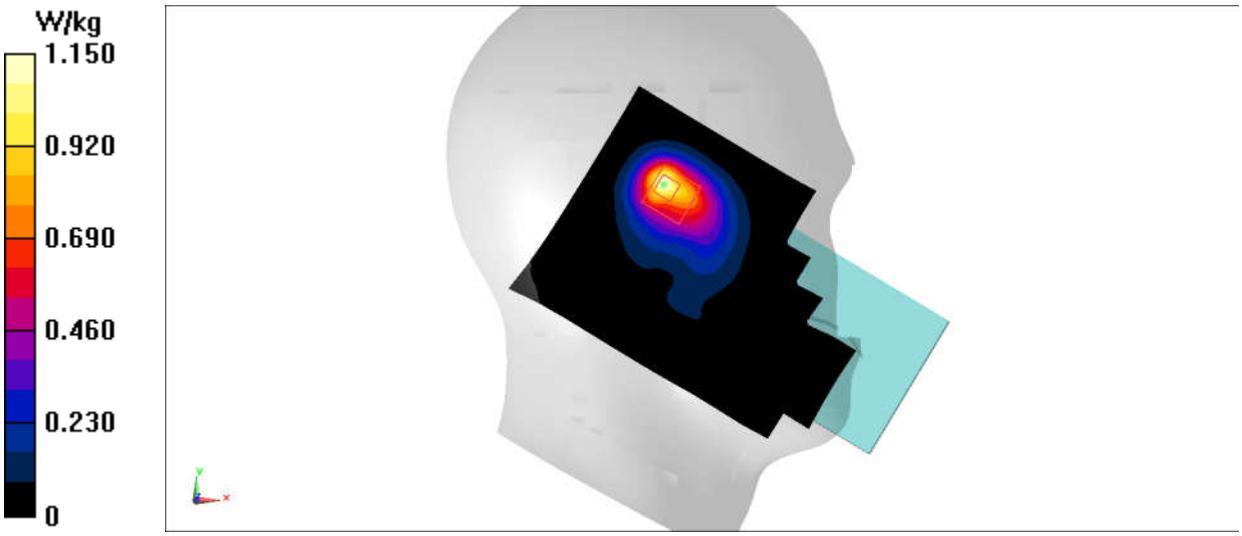


Fig.40 WLAN 2.4GHz Head

WLAN 2.4GHz Body
Date: 2023-1-10
Electronics: DAE4 Sn1331
Medium: Head 2450MHz
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.826 S/m; εr = 38.841; ρ = 1000 kg/m3
Communication System: UID 0, WLAN (0) Frequency: 2412 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7600 ConvF (7.96, 7.96, 7.96)

Rear Side Low/Area Scan (121x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.228 W/kg

Rear Side Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.026 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.084 W/kg
Maximum value of SAR (measured) = 0.211 W/kg

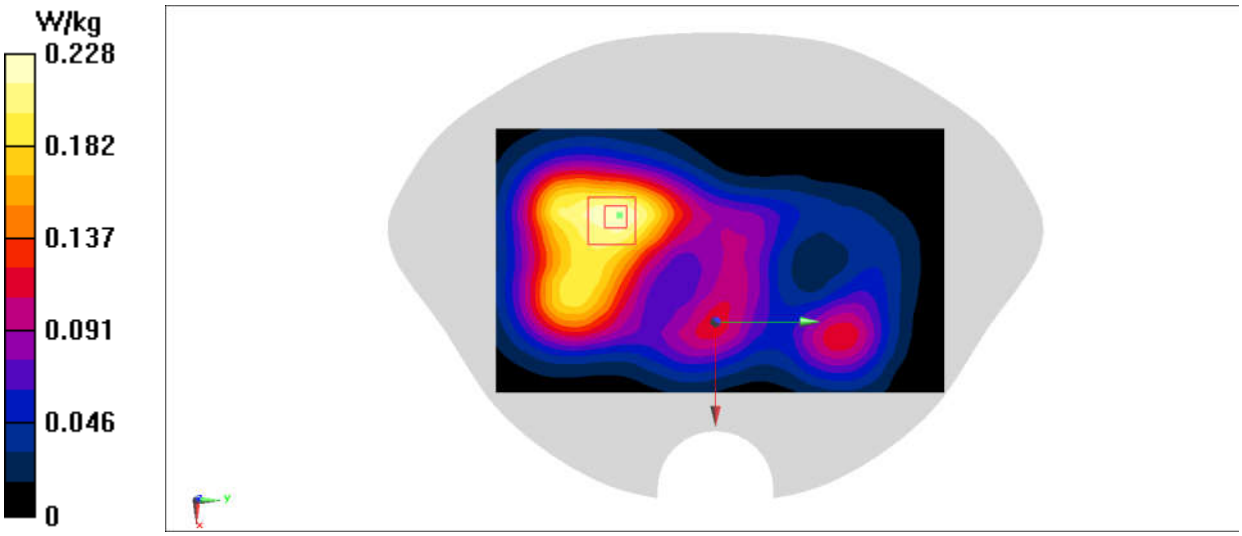


Fig.41 WLAN 2.4GHz Body

WLAN 5GHz Head
Date: 2023-1-12
Electronics: DAE4 Sn1331
Medium: Head 5750MHz
Medium parameters used: f = 5700 MHz; σ = 5.321 S/m; εr = 34.52; ρ = 1000 kg/m3
Communication System: UID 0, WLAN 5G (0) Frequency: 5700 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7600 ConvF (4.96, 4.96, 4.96)

Left Tilt Ch.140/Area Scan (121x211x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.31 W/kg

Left Tilt Ch.140/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.528 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.43 W/kg
SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.141 W/kg
Maximum value of SAR (measured) = 1.32 W/kg

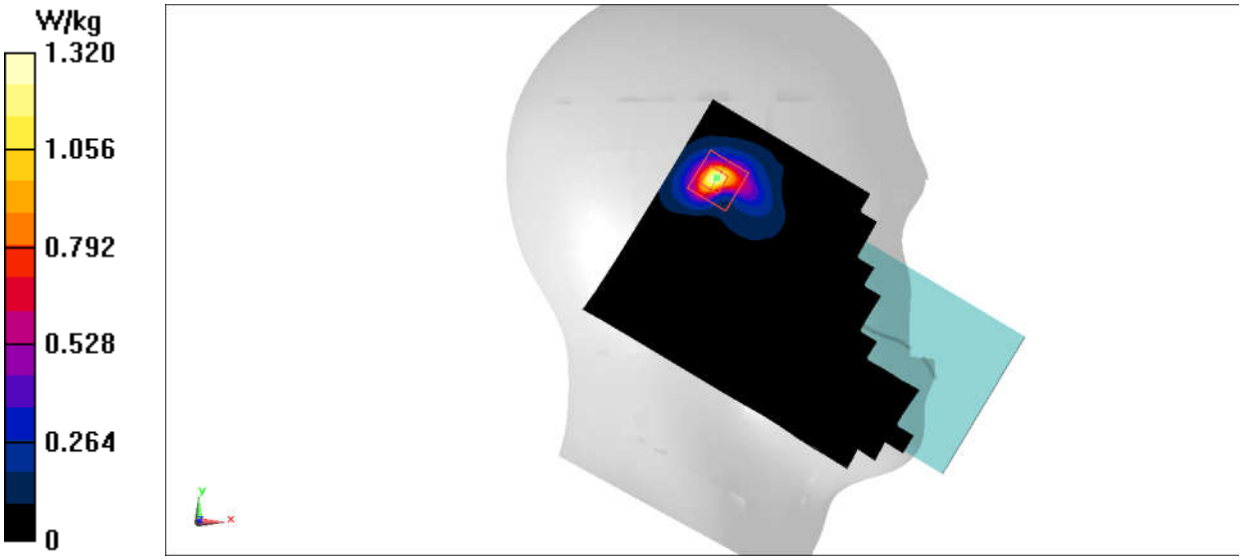


Fig.42 WLAN 5GHz Head