



FCC SAR Compliance Test Report

For

INFINIX MOBILITY LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI

STREET FOTAN NT HONGKONG

Model: X6720B

Test Engineer: Zeng Longhao

Zeng Longhao

Report Number: WSCT-ANAB-R&E240700032A-SAR

Report Date: 12 August 2024

FCC ID: 2AIZN-X6720B

Check By: Wei Liangmei

Wei Liangmei

Approved By: Liu Fuxin

Liu Fuxin

World Standardization Certification & Testing Group
(Shenzhen) Co., Ltd.
Prepared By: Building A-B, Baoli'an Industrial Park, No. 58 Tangtou
Avenue, Shiyan Street, Bao'an District, Shenzhen,
Guangdong, China
Tel: +86-755-26996192
Fax: +86-755-86376605





Table of contents

1	General information	5
1.1	Notes	5
1.2	Application details	5
1.3	Statement of Compliance.....	6
1.4	EUT Information	9
2	Testing laboratory.....	12
3	ACCREDITATIONS	12
4	Test Environment.....	12
5	Applicant and Manufacturer	12
6	Test standard/s:.....	13
6.1	RF exposure limits.....	14
6.2	SAR Definition.....	14
7	SAR Measurement System	15
7.1	The Measurement System	15
7.2	Robot.....	16
7.3	Probe.....	16
7.4	Measurement procedure.....	17
7.5	Description of interpolation/extrapolation scheme.....	18
7.6	Phantom.....	19
7.7	Device Holder	20
7.8	Video Positioning System.....	21
7.9	Tissue simulating liquids: dielectric properties	22
7.10	Tissue simulating liquids: parameters	23
8	System Check.....	25
8.1	System check procedure	25
8.2	System check results	26



9	SAR Test Configuration	27
9.1	GSM Test Configurations.....	27
9.2	UMTS Test Configuration.....	27
9.3	LTE Test Configuration	29
9.4	Wi-Fi Test Configuration.....	31
9.5	WiFi 2.4G SAR Test Procedures.....	31
10	Detailed Test Results	32
10.1	Conducted Power measurements.....	32
10.1.1	Conducted Power of GSM.....	33
10.1.2	Conducted Power of WCDMA.....	34
10.1.3	Conducted Power of LTE Band 2	35
10.1.4	Conducted Power of LTE Band 4.....	37
10.1.5	Conducted Power of LTE Band 5	39
10.1.6	Conducted Power of LTE Band 7	41
10.1.7	Conducted Power of LTE Band 12	43
10.1.8	Conducted Power of LTE Band 17	45
10.1.9	Conducted Power of LTE Band 38.....	46
10.1.10	Conducted Power of LTE Band 41	48
10.1.11	Conducted Power of LTE Band 42	50
10.1.12	Conducted Power of LTE Band 66	52
10.1.13	Conducted Power of NR n5.....	54
10.1.14	Conducted Power of NR n7	55
10.1.15	Conducted Power of NR n12.....	56
10.1.16	Conducted Power of NR n38.....	57
10.1.17	Conducted Power of NR n41.....	58
10.1.18	Conducted Power of NR n66.....	59
10.1.19	Conducted Power of NR n77	60
10.1.20	Conducted Power of NR n77.....	61



10.1.21	Conducted Power of NR n78.....	62
10.1.22	Conducted Power of NR n78.....	63
10.1.23	Conducted Power of Wi-Fi 2.4G	64
10.1.24	Conducted Power of Wi-Fi 5G	65
10.1.25	Conducted Power of BT	66
10.1.26	Tune-up power tolerance	67
10.2	SAR test results	69
10.3	Test Result.....	72
10.3.1	Results overview of GSM	72
10.3.2	Results overview of WCDMA	73
10.3.3	Results overview of LTE	74
10.3.4	Results overview of Wifi	122
11	Multiple Transmitter Information.....	126
11.1.1	Stand-alone SAR test exclusion.....	127
11.1.2	Simultaneous Transmission Possibilities.....	128
11.1.3	SAR Summation Scenario	129
12	Measurement uncertainty evaluation	145
12.1	Measurement uncertainty evaluation for SAR test	145
12.2	Measurement uncertainty evaluation for system check.....	147
13	Test equipment and ancillaries used for tests	148
	Annex A: System performance verification	149
	Annex B: Measurement results	149
	Annex C: Calibration reports	149



Modified History

REV.	Modification Description	Issued Date	Remark
REV.1.0	Initial Test Report Relesse	12 August 2024	Liu Fuxin

1 General information

1.1 Notes

The test results of this test report relate exclusively to the test item specified in this test report. Shenzhen Timeway Testing Laboratories does not assume responsibility for any conclusions and generalisations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report is not to be reproduced or published in full without the prior written permission.

1.2 Application details

Date of receipt of test item: 2024-06-14
Start of test: 2024-06-17
End of test: 2024-08-09





1.3 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for X6720B is as below:

Band	Position Test Points	MAX Reported SAR _{1g} (W/kg)
GSM850	Head	0.330
	Body & Hotspot 10mm	0.050
GSM1900	Head	0.431
	Body & Hotspot 10mm	0.125
UMTS Band 2	Head	0.287
	Body & Hotspot 10mm	0.187
UMTS Band 4	Head	0.648
	Body & Hotspot 10mm	0.125
UMTS Band 5	Head	0.588
	Body & Hotspot 10mm	0.118
LTE Band 2	Head	0.215
	Body & Hotspot 10mm	0.148
LTE Band 4	Head	0.762
	Body & Hotspot 10mm	0.166
LTE Band 5	Head	0.586
	Body & Hotspot 10mm	0.122
LTE Band 7	Head	0.651
	Body & Hotspot 10mm	0.232
LTE Band 12	Head	0.201
	Body & Hotspot 10mm	0.057
LTE Band 17	Head	0.216
	Body & Hotspot 10mm	0.063
LTE Band 38	Head	0.618
	Body & Hotspot 10mm	0.231
LTE Band 41	Head	0.671
	Body & Hotspot 10mm	0.276
LTE Band 42	Head	0.588
	Body & Hotspot 10mm	0.268
LTE Band 66	Head	0.815
	Body & Hotspot 10mm	0.156
NR n5	Head	1.019
	Body & Hotspot 10mm	0.262
NR n7	Head	0.655
	Body & Hotspot 10mm	0.283
NR n12	Head	0.398
	Body & Hotspot 10mm	0.077
NR n38	Head	0.392
	Body & Hotspot 10mm	0.118
NR n41	Head	0.406
	Body & Hotspot 10mm	0.175
NR n66	Head	0.066
	Body & Hotspot 10mm	0.103
NR n77	Head	0.661
	Body & Hotspot 10mm	0.388
NR n77	Head	0.619
	Body & Hotspot 10mm	0.314



NR n78	Head	0.395
	Body & Hotspot 10mm	0.180
NR n78	Head	0.148
	Body & Hotspot 10mm	0.080
2-n7	Head	1.105
	Body & Hotspot 10mm	0.405
2-n66	Head	1.196
	Body & Hotspot 10mm	0.351
2-n78	Head	0.332
	Body & Hotspot 10mm	0.141
4-n7	Head	0.367
	Body & Hotspot 10mm	0.169
4-n38	Head	0.320
	Body & Hotspot 10mm	0.223
4-n41	Head	0.248
	Body & Hotspot 10mm	0.182
4-n78	Head	0.160
	Body & Hotspot 10mm	0.142
5-n7	Head	0.208
	Body & Hotspot 10mm	0.056
5-n38	Head	0.172
	Body & Hotspot 10mm	0.056
5-n41	Head	0.168
	Body & Hotspot 10mm	0.047
5-n66	Head	0.219
	Body & Hotspot 10mm	0.051
5-n77	Head	0.065
	Body & Hotspot 10mm	0.019
5-n78	Head	0.099
	Body & Hotspot 10mm	0.023
7-n7	Head	0.513
	Body & Hotspot 10mm	0.152
7-n66	Head	0.684
	Body & Hotspot 10mm	0.353
7-n77	Head	0.495
	Body & Hotspot 10mm	0.096
7-n78	Head	0.200
	Body & Hotspot 10mm	0.038
38-n78	Head	0.143
	Body & Hotspot 10mm	0.016
41-n41	Head	0.199
	Body & Hotspot 10mm	0.086
41-n77	Head	0.118
	Body & Hotspot 10mm	0.020
41-n78	Head	0.150
	Body & Hotspot 10mm	0.020



66-n7	Head	0.304
	Body & Hotspot 10mm	0.163
66-n38	Head	0.275
	Body & Hotspot 10mm	0.162
66-n41	Head	0.242
	Body & Hotspot 10mm	0.501
66-n66	Head	0.511
	Body & Hotspot 10mm	0.262
66-n77	Head	0.422
	Body & Hotspot 10mm	0.209
66-n78	Head	0.356
	Body & Hotspot 10mm	0.184
WIFI5G Band1	Head	0.132
	Body & Hotspot 10mm	0.054
WIFI5G Band2	Head	0.268
	Body & Hotspot 10mm	0.191
WIFI5G Band3	Head	0.302
	Body & Hotspot 10mm	0.185
WIFI5G Band4	Head	0.284
	Body & Hotspot 10mm	0.177
BT	Head	0.144
	Body & Hotspot 10mm	0.164
Wi-Fi 2.4G	Head	0.304
	Body & Hotspot 10mm	0.135
The highest simultaneous SAR is 1.500W/kg per KDB690783 D01		

The device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits of 1.6 W/Kg as averaged over any 1g tissue according to the FCC rule the ANSI/IEEE C95.1:2005, the NCRP Report Number 86 for uncontrolled environment, according to the Industry Canada Radio Standards Specification RSS-102 for General Population/Uncontrolled exposure, and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013.



1.4 EUT Information

Device Information:	
Product Type:	Mobile Phone
Model:	X6720B
Trade Name:	Infinix
Device Type:	Portable device
Exposure Category:	uncontrolled environment / general population
Production Unit or Identical Prototype:	Production Unit
Software version :	X6720-H353RS-U-OP-240531V276
Hardware version:	V1.2
Antenna Type :	NFC:Coil Antenna BT/WIFI:FIPA Antenna
Device Operating Configurations:	
Supporting Mode(s) :	GSM850,PCS1900, UMTS Band 2, UMTS Band 4 ,UMTS Band 5, LTE Band 2/ LTE Band4/LTE Band5/ LTE Band7 LTE Band12/LTE Band17/LTE Band38/ LTE Band41 LTE Band42/ LTE Band66/, Wi-Fi , BT,NFC NR Band5/ NR Band7/ NR Band12/ NR Band38, NR Band41/ NR Band66/ NR Band77/ NR Band78, NSA(EN-DC): DC_2A_n7A, DC_2A_n66A, DC_2A_n78A, DC_4A_n7A, DC_4A_n38A, DC_4A_n41A, DC_4A_n78A, DC_5A_n7A, DC_5A_n38A, DC_5A_n41A,DC_5A_n66A, DC_5A_n77A,DC_5A_n78A, DC_7A_n7A, DC_7A_n66A, DC_7A_n77A, DC_7A_n78A, DC_38A_n78A DC_41A_n41A, DC_41A_n77A, DC_41A_n78A, DC_66A_n7A, DC_66A_n38A, DC_66A_n41A,DC_66A_n66A, DC_66A_n77A,DC_66A_n78A
Modulation:	GSM/GPRS: GMSK EGPRS: 8PSK WCDMA: QPSK HSDPA/HSUPA: QPSK /16QAM LTE: QPSK/16QAM NR: BPSK/ QPSK/16QAM/64QAM/256QAM ASK(NFC)
Device Class :	Class B, No DTM Mode



Operating Frequency Range(s)

Band	TX(MHz)	RX(MHz)
GSM850	824~849	869~894
GSM1900	1850~1910	1930~1990
UMTS Band 2	1850~1910	1930~1990
UMTS Band 4	1710~1755	2110~2155
UMTS Band 5	824~849	869~894
LTE Band 2	1850~1910	1930~1990
LTE Band 4	1710~1755	2110~2155
LTE Band 5	824~849	869~894
LTE Band 7	2500~2570	2620~2690
LTE Band 12	699~716	729~746
LTE Band 17	704~716	734~746
LTE Band38	2570~2620	2570~2620
LTE Band 41	2496~2690	2496~2690
LTE Band 42	3450~3550	3450~3550
LTE Band 66	1710~1780	2110~2200
NR Band 5	824~849	869~894
NR Band 7	2500~2570	2620~2690
NR Band 12	699~716	729~746
NR Band 38	2570~2620	2570~2620
NR Band 41	2496~2690	2496~2690
NR Band 66	1710~1780	2110~2200
NR Band 77	3450~3550	3450~3550
NR Band 77	3700~3980	3700~3980
NR Band 78	3450~3550	3450~3550
NR Band 78	3700~3800	3700~3800
Wi-Fi (2.4G)	2412-2462	
Wi-Fi (5G)	5180-5240	5180-5240
	5260-5320	5260-5320
	5500-5700	5500-5700
	5745-5825	5745-5825
BT	2402~2480	
NFC	13.553-13.567	



Antenna gain:	GSM 850,/WCDMA B5,/LTE B5/NR/N5: -5.68dbi PCS 1900/WCDMA B2/LTE B2: -3.38dbi WCDMA B4/LTE B4/B66/N66: -3.04dbi LTE B7/B38/B41/N7/N38/N41: -3.09dbi LTE B12/B17 NR n12: -6.31dbi LTE B42, NR77/78: -2.92dbi
Radiated Power (EIRP/ERP) Limit	GSM 850,/WCDMA B5,/LTE B5/NR N5: 7.00W(38.45dBm) PCS 1900/WCDMA B2/LTE B2: 2.00W(33.01dBm) WCDMA B4/LTE B4/B66/N66: 1.00W(30.00dBm) LTE B7/B38/B41/N7/N38/N41: 2.00W(33.01dBm) LTE B12/B17 NR n12: 3.00W(34.77dBm) LTE B42, NR77/78: 1.00W(30.00dBm)
Power Source:	Rechargeable Li-ion Polymer Battery Model: BL-5ABX Rated Voltage: 3.87V Rated Capacity: 4900mAh/18.97Wh Typical Capacity: 5000mAh/19.35Wh Limited Charge Voltage: 4.45V

Note:1:The test results of this test report relate exclusively to the test item specified in this test report. World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd does not assume responsibility for any conclusions and generalisations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report is not to be reproduced or published in full without the prior written permission.

2: For NFC evaluation, it is not necessary to test NFC because its power is very low



2 Testing laboratory

Test Site	World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.
Test Location	Building A-B, Baoli'an Industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China
Telephone	+86-755-26996192
Fax	+86-755-86376605

3 ACCREDITATIONS

CNAS - Registration Number: L3732

China National Accreditation Service for Conformity Assessment, The test firm Registration Number: L3732

FCC - Designation Number: CN1303

World Standardization Certification & Testing Group(Shenzhen) CO., LTD. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Designation Number: CN1303.

ANAB - Certificate Number: AT-3951

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (ANAB). Certification Number: AT-3951

4 Test Environment

	Required	Actual
Ambient temperature:	18 – 25 °C	22 ± 2 °C
Tissue Simulating liquid:	22 ± 2 °C	22 ± 2 °C
Relative humidity content:	30 – 70 %	30 – 70 %

5 Applicant and Manufacturer

Applicant/Client Name:	INFINIX MOBILITY LIMITED
Applicant Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer Name:	INFINIX MOBILITY LIMITED
Manufacturer Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG



**6 Test standard/s:**

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	IEC/IEEE 62209-1528	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate in the Human Head from Wireless Communications Devices: Measurement Techniques
3	KDB447498 D01	General RF Exposure Guidance v06
4	KDB447498 D04	Interim General RF Exposure Guidance v01
5	KDB865664 D01	SAR measurement 100MHz to 6GHz v01r04
6	KDB865664 D02	RF Exposure Reporting v01r02
7	KDB941225 D01	3G SAR Procedures v03r01
8	KDB941225 D05	SAR for LTE Devices v02r05
9	KDB248227 D01	802.11 Wi-Fi SAR v02r02
10	KDB941225 D06	Hotspot Mode v02r01
11	KDB648474 D04	Handset SAR v01r03
12	KDB690783 D01	SAR Listings on Grant v01r03



6.1 RF exposure limits

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR* (Brain/Body/Arms/Legs)	1.60 mW/g	8.00 mW/g
Spatial Average SAR** (Whole Body)	0.08 mW/g	0.40 mW/g
Spatial Peak SAR*** (Heads/Feet/Ankle/Wrist)	4.00 mW/g	20.00 mW/g

The limit applied in this test report is shown in bold letters

Notes:

* The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

** The Spatial Average value of the SAR averaged over the whole body.

*** The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation.

6.2 SAR Definition

Specific Absorption Rate is defined as 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).

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

SAR is expressed in units of watts per kilogram (W/kg). SAR can be related to the electric field at a point by

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

where:

σ = conductivity of the tissue (S/m)

ρ = mass density of the tissue (kg/m³)

E = rms electric field strength (V/m)





7 SAR Measurement System

7.1 The Measurement System

Comosar is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The Comosar system consists of the following items:

- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Device holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 10g mass.



7.2 Robot

The COMOSAR system uses the high precision robots KR 6 R900 sixx type out of the newer series from Satimo SA (France). For the 6-axis controller COMOSAR system, the KUKA robot controller version from Satimo is used. The KR 6 R900 sixx robot series have many features that are important for

our application:

- High precision (repeatability 0.02 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)
- 6-axis controller
-

7.3 Probe

For the measurements the Specific Dosimetric E-Field Probe SSE 5 with following specifications is used



Figure 1 – MVG COMOSAR Dosimetric E field Dipole

- Dynamic range: 0.01-100 W/kg

Probe Length	330 mm
Length of Individual Dipoles	4.5 mm
Maximum external diameter	8 mm
Probe Tip External Diameter	5 mm
Distance between dipoles / probe	2.7 mm

- Calibration range: 300MHz to 3GHz for head & body simulating liquid.

Angle between probe axis (evaluation axis) and surface normal line: less than 30°



Figure 2 – MVG COMOSAR Dosimetric E field Dipole

- Dynamic range: 0.01-100 W/kg

Probe Length	330 mm
Length of Individual Dipoles	2 mm
Maximum external diameter	8 mm
Probe Tip External Diameter	2.5 mm
Distance between dipoles / probe	1 mm

- Calibration range: 5GHz to 6GHz for head & body simulating liquid.

Angle between probe axis (evaluation axis) and surface normal line: less than 30°



7.4 Measurement procedure

The following steps are used for each test position

- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface.
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16 mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors can not directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8 * 4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The SATIMO software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine. The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g





SAR Averaged Methods

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

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

7.5 Description of interpolation/extrapolation scheme

- The local SAR inside the phantom is measured using small dipole sensing elements inside a probe body. The probe tip must not be in contact with the phantom surface in order to minimise measurements errors, but the highest local SAR will occur at the surface of the phantom.
- An extrapolation is used to determine these highest local SAR values. The extrapolation is based on a fourth-order least-square polynomial fit of measured data. The local SAR value is then extrapolated from the liquid surface with a 1 mm step.
- The measurements have to be performed over a limited time (due to the duration of the battery) so the step of measurement is high. It could vary between 5 and 8 mm. To obtain an accurate assessment of the maximum SAR average over 10 grams and 1 gram requires a very fine resolution in the three dimensional scanned data array.





7.6 Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

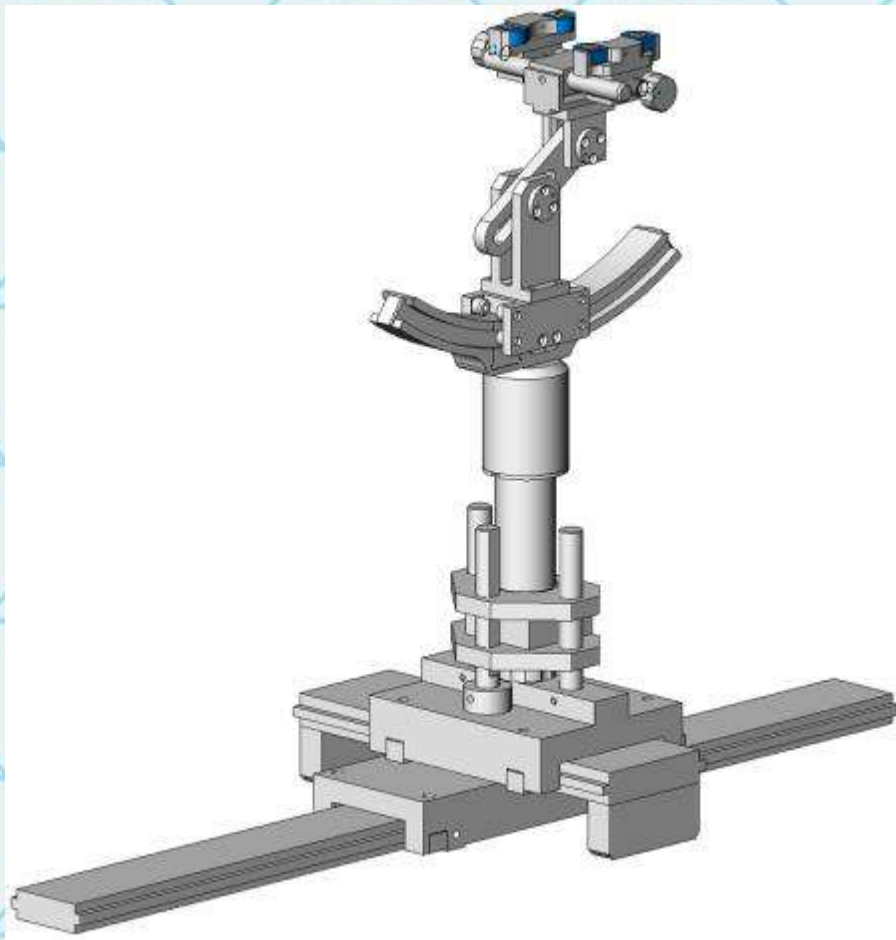


System Material	Permittivity	Loss Tangent
Delrin	3.7	0.005



7.7 Device Holder

The positioning system allows obtaining cheek and tilting position with a very good accuracy. In compliance with CENELEC, the tilt angle uncertainty is lower than 1° .



Device holder

System Material	Permittivity	Loss Tangent
Delrin	3.7	0.005



7.8 Video Positioning System

- The video positioning system is used in OpenSAR to check the probe. Which is composed of a camera, LED, mirror and mechanical parts. The camera is piloted by the main computer with firewire link.
- During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip.
- The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.





7.9 Tissue simulating liquids: dielectric properties

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The simulating liquids should be checked at the beginning of a series of SAR measurements to determine if the dielectric parameter are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within $\pm 5\%$ of the target values.

The following materials are used for producing the tissue-equivalent materials.

(Liquids used for tests are marked with ☒):

Ingredients(% of weight)	Frequency (MHz)					
frequency band	☒ 750	☒ 835	☒ 1800	☒ 1900	☒ 2450	☒ 2600
Tissue Type	Head	Head	Head	Head	Head	Head
Water	39.2	41.45	52.64	55.242	62.7	55.242
Salt (NaCl)	2.7	1.45	0.36	0.306	0.5	0.306
Sugar	57.0	56.0	0.0	0.0	0.0	0.0
HEC	0.0	1.0	0.0	0.0	0.0	0.0
Bactericide	0.0	0.1	0.0	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	36.8	0.0
DGBE	0.0	0.0	47.0	44.542	0.0	44.452
Ingredients(% of weight)	Frequency (MHz)					
frequency band	☒ 750	☒ 835	☒ 1800	☒ 1900	☒ 2450	☒ 2600
Tissue Type	Body	Body	Body	Body	Body	Body
Water	50.30	52.4	69.91	69.91	73.2	64.493
Salt (NaCl)	1.60	1.40	0.13	0.13	0.04	0.024
Sugar	47.0	45.0	0.0	0.0	0.0	0.0
HEC	0.0	1.0	0.0	0.0	0.0	0.0
Bactericide	0.0	0.1	0.0	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0
DGBE	0.0	0.0	29.96	29.96	26.7	32.252

Salt: 99+% Pure Sodium Chloride

Sugar: 98+% Pure Sucrose

Water: De-ionized, 16MΩ+ resistivity

HEC: Hydroxyethyl Cellulose

DGBE: 99+% Di(ethylene glycol) butyl ether, [2-(2-butoxyethoxy)ethanol]

Triton X-100(ultra pure): Polyethylene glycol mono [4-(1,1,3,3-tetramethylbutyl)phenyl]ether



7.10 Tissue simulating liquids: parameters

Tissue Type	Measured Frequency (MHz)	Target Tissue				Measured Tissue		Liquid Temp.	Test Date
		Target Permittivity ϵ_r	Range of $\pm 5\%$	Target Conductivity σ (S/m)	Range of $\pm 5\%$	ϵ_r	σ (S/m)		
835MHz Head	825	41.60	39.52~43.68	0.90	0.86~0.95	40.34	0.91	21.6°C	2024-06-18
	835	41.50	39.43~43.58	0.90	0.86~0.95	40.33	0.92		
	850	41.50	39.43~43.58	0.92	0.87~0.97	40.11	0.94		
835MHz Body	825	55.20	52.44~57.96	0.97	0.92~1.02	54.04	0.98		
	835	55.20	52.44~57.96	0.97	0.92~1.02	53.93	0.99		
	850	55.20	52.44~57.96	0.99	0.94~1.04	53.69	1.01		
1800MHz Head	1710	40.10	38.10~42.10	1.35	1.28~1.42	39.95	1.34	21.6°C	2024-06-23-
	1730	40.10	38.10~42.10	1.35	1.29~1.43	39.87	1.36		
	1750	40.10	38.10~42.10	1.37	1.30~1.44	39.69	1.39		
	1800	40.00	38.00~42.00	1.40	1.33~1.47	39.48	1.44		
1800MHz Body	1710	53.50	50.83~56.18	1.46	1.39~1.53	53.24	1.45		
	1730	53.50	50.83~56.18	1.48	1.41~1.55	53.39	1.47		
	1750	53.40	50.73~56.07	1.49	1.42~1.56	53.19	1.49		
	1800	53.30	50.64~55.97	1.52	1.44~1.60	52.97	1.54		
1900MHz Head	1850	40.00	38.00~42.00	1.40	1.33~1.47	39.93	1.37	21.6°C	2024-06-28
	1880	40.00	38.00~42.00	1.40	1.33~1.47	39.91	1.40		
	1900	40.00	38.00~42.00	1.40	1.33~1.47	39.98	1.41		
	1910	40.00	38.00~42.00	1.40	1.33~1.47	39.97	1.42		
1900MHz Body	1850	53.30	50.64~55.97	1.52	1.44~1.60	53.23	1.49		
	1880	53.30	50.64~55.97	1.52	1.44~1.60	53.36	1.53		
	1900	53.30	50.64~55.97	1.52	1.44~1.60	53.37	1.56		
	1910	53.30	50.64~55.97	1.52	1.44~1.60	53.37	1.57		



2450MHz Head	2410	39.30	37.34~41.26	1.76	1.67~1.85	39.22	1.78	21.6°C	2024-07-03
	2435	39.20	37.24~41.16	1.79	1.70~1.88	39.25	1.77		
	2450	39.20	37.24~41.16	1.80	1.71~1.89	39.24	1.76		
	2460	39.20	37.24~41.16	1.81	1.72~1.90	39.20	1.76		
2450MHz Body	2410	52.80	50.16~55.44	1.91	1.81~2.00	52.72	1.92		
	2435	52.70	50.07~55.34	1.94	1.84~2.04	52.75	1.92		
	2450	52.70	50.07~55.34	1.95	1.85~2.05	52.74	1.91		
	2460	52.70	50.07~55.34	1.96	1.86~2.06	52.70	1.91		
2600MHz Head	2510	39.00	37.05~40.95	1.96	1.86~2.06	38.87	1.93	21.6°C	2024-07-08
	2535	39.00	37.05~40.95	1.96	1.86~2.06	38.58	1.93		
	2560	39.00	37.05~40.95	1.96	1.86~2.06	38.98	2.02		
	2600	39.00	37.05~40.95	1.96	1.86~2.06	52.50	2.02		
2600MHz Body	2510	52.50	49.90~55.11	2.16	2.05~2.27	52.21	2.05		
	2535	52.50	49.90~55.11	2.16	2.05~2.27	51.92	2.06		
	2560	52.50	49.90~55.11	2.16	2.05~2.27	52.01	2.09		
	2600	52.50	49.90~55.11	2.16	2.05~2.27	38.87	1.93		
ε _r = Relative permittivity, σ= Conductivity									



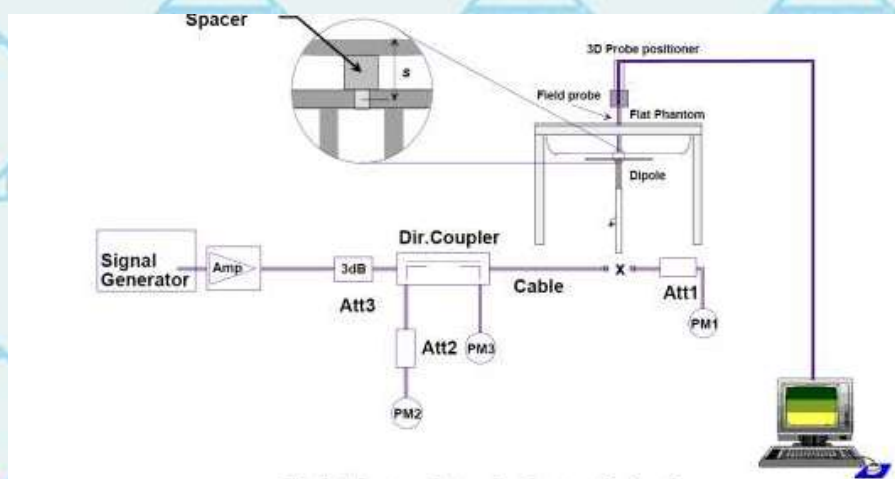


8 System Check

8.1 System check procedure

The System check is performed by using a System check dipole which is positioned parallel to the planar part of the SAM phantom at the reference point. The distance of the dipole to the SAM phantom is determined by a spacer. The dipole is connected to the signal source consisting of signal generator and amplifier via a directional coupler, N-connector cable and adaption to SMA. It is fed with a power of 100 mW. To adjust this power a power meter is used. The power sensor is connected to the cable before the System check to measure the power at this point and do adjustments at the signal generator. At the outputs of the directional coupler both return loss as well as forward power are controlled during the validation to make sure that emitted power at the dipole is kept constant. This can also be checked by the power drift measurement after the test (result on plot).

System check results have to be equal or near the values determined during dipole calibration (target SAR in table above) with the relevant liquids and test system.





8.2 System check results

The system Check is performed for verifying the accuracy of the complete measurement system and performance of the software. The following table shows System check results for all frequency bands and tissue liquids used during the tests (plot(s) see annex A).

System Check	Target SAR (1W) (+/-10%)				Measured SAR (Normalized to 1W)		Liquid Temp.	Test Date
	1-g (W/g)	Range of $\pm 10\%$ 1-g (W/g)	10-g (W/g)	Range of $\pm 10\%$ 10-g (W/g)	1-g (W/g)	10-g (W/g)		
D835V2 Head	9.82	8.84~10.80	6.35	5.72~6.99	9.700	6.150	21.6°C	2024-06-18
D1800V2 Head	37.09	33.38~40.80	19.77	17.93~21.75	39.980	20.600	21.6°C	2024-06-23
D1900V2 Head	38.93	35.04~42.82	20.27	18.45~22.55	39.980	21.070	21.6°C	2024-06-28
D2450V2 Head	53.41	48.07~58.75	23.95	21.56~26.35	53.930	24.530	21.6°C	2024-07-03
D2600V2 Head	56.88	51.20~62.56	24.92	22.43~27.41	53.180	23.430	21.6°C	2024-07-08
D835V2 Body	9.41	8.47~10.35	6.22	5.99~6.84	10.150	6.450	21.6°C	2024-06-18
D1800V2 Body	38.03	34.23~41.83	20.69	18.62~22.76	41.560	21.720	21.6°C	2024-06-23
D1900V2 Body	38.73	34.86~42.60	20.48	18.43~22.53	39.330	20.940	21.6°C	2024-06-28
D2450V2 Body	51.39	46.25~56.53	23.63	21.27~25.99	54.330	23.330	21.6°C	2024-07-03
D2600V2 Body	54.54	49.09~59.99	24.37	21.94~26.80	57.860	25.600	21.6°C	2024-07-08

Note: All SAR values are normalized to 1W forward power.

Note: 5G band system check USES standard waveguide, so the test results are standard en62209-2 table B2



9 SAR Test Test Configuration

9.1 GSM Test Configurations

SAR tests for GSM850 and GSM1900, a communication link is set up with a base station by air link. Using CMU200 the power lever is set to “5” and “0” in SAR of GSM850 and GSM1900. The tests in the band of GSM 850 and GSM 1900 are performed in the mode of GPRS/EGPRS function. Since the GPRS class is 12 for this EUT, it has at most 4 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslot is 5.

When SAR tests for EGPRS mode is necessary, GMSK modulation should be used to minimize SAR measurement error due to higher peak-to-average power (PAR) ratios inherent in 8-PSK.

9.2 UMTS Test Configuration

1) Output Power Verification

Maximum output power is verified on the high, middle and low channels according to procedures described in section 5.2 of 3GPP TS 34.121, using the appropriate RMC or AMR with TPC (transmit power control) set to all “1”s for WCDMA/HSDPA or by applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPDCH, DPDCHn and spreading codes, HSDPA, HSPA) are required in the SAR report. All configurations that are not supported by the Headset or cannot be measured due to technical or equipment limitations must be clearly identified.

2) WCDMA

a. Head SAR Measurements

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all “1”s. The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

b. Body SAR Measurements

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

3) HSDPA

SAR for body exposure configurations is measured according to the “Body SAR Measurements” procedures of 3G device. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode. This is referred to as the 3G SAR test reduction procedure in the following SAR test guidance, where the primary mode is identified in





the applicable wireless mode test procedures and the secondary mode is wireless mode being considered for SAR test reduction by that procedure. When the 3G SAR test reduction procedure is not satisfied, it is identified as "otherwise" in the applicable procedures; SAR measurement is required for the secondary mode.

Per KDB941225 D01, the 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSDPA using the HSDPA body SAR procedures for the highest reported SAR body exposure configuration in 12.2 kbps RMC.

HSDPA should be configured according to UE category of a test device. The number of HS-DSCH/HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission condition, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4ms with a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. The β_c and β_d gain factors for DPCCH and DPDCH were set according to the values in the below table, β_{hs} for HSDPCCH is set automatically to the correct value when ΔACK , $\Delta NACK$, $\Delta CQI = 8$. The variation of the β_c / β_d ratio causes a power reduction at sub-tests 2 - 4.

Sub-test ^a	β_c ^a	β_d ^a	β_d (SF) ^a	β_c / β_d ^a	β_{hs} (1) ^a	CM(dB)(2) ^a	MPR (dB) ^a
1 ^a	2/15 ^a	15/15 ^a	64 ^a	2/15 ^a	4/15 ^a	0.0 ^a	0 ^a
2 ^a	12/15(3) ^a	15/15(3) ^a	64 ^a	12/15(3) ^a	24/15 ^a	1.0 ^a	0 ^a
3 ^a	15/15 ^a	8/15 ^a	64 ^a	15/8 ^a	30/15 ^a	1.5 ^a	0.5 ^a
4 ^a	15/15 ^a	4/15 ^a	64 ^a	15/4 ^a	30/15 ^a	1.5 ^a	0.5 ^a

Note 1: ΔACK , $\Delta NACK$ and $\Delta CQI = 8$ $A_{hs} = \beta_{hs} / \beta_c = 30/15$ $\beta_{hs} = 30/15 * \beta_c$

Note 2: CM=1 for $\beta_c / \beta_d = 12/15$, $\beta_{hs} / \beta_c = 24/15$. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 3: For subtest 2 the β_c / β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$

The measurements were performed with a Fixed Reference Channel (FRC) and H-Set 1 QPSK.:

Parameter	Value
Nominal average inf. bit rate	534 kbit/s
Inter-TTI Distance	3 TTI's
Number of HARQ Processes	2 Processes
Information Bit Payload	3202 Bits
MAC-d PDU size	336 Bits
Number Code Blocks	1 Block
Binary Channel Bits Per TTI	4800 Bits
Total Available SMLs in UE	19200 SMLs
Number of SMLs per HARQ Process	9600 SMLs
Coding Rate	0.67
Number of Physical Channel Codes	5



4) HSUPA

SAR for body exposure configurations is measured according to the "Body SAR Measurements" procedures of 3G device. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

Per KDB941225 D01v03, the 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSPA using the HSPA body SAR procedures for the highest reported body exposure SAR configuration in 12.2 kbps RMC.

9.3 LTE Test Configuration

SAR for LTE band exposure configurations is measured according to the procedures of KDB 941225 D05 SAR for LTE Devices. The CMW500 WideBand Radio Communication Tester was used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR test were performed with the same number of RB and RB offsets transmitting on all TTI frames (Maximum TTI)

1) Spectrum Plots for RB configurations

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

2) MPR

When MPR is implemented permanently within the UE, regardless of network requirements, only those RB configurations allowed by 3GPP for the channel bandwidth and modulation combinations may be tested with MPR active. Configurations with RB allocations less than the RB thresholds required by 3GPP must be tested without MPR.

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

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

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

3) A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by using Network Signalling Value of "NS_01" on the base station simulator.



4) LTE procedures for SAR testing

A) Largest channel bandwidth standalone SAR test requirements

i) QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

ii) QPSK with 50% RB allocation

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

iii) 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 i) and ii) 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.

iv) Higher order modulations

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

B) Other channel bandwidth standalone SAR test requirements

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

5) TDD LTE test configuration

According to KDB 941225 D05 SAR for LTE Devices v02r04, 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.



9.4 Wi-Fi Test Configuration

For the 802.11b/g SAR tests, a communication link is set up with the test mode software for Wi-Fi mode test. The Absolute Radio Frequency Channel Number (ARFCN) is allocated to 1, 6 and 11 respectively in the case of 2450 MHz. During the test, at the each test frequency channel, the EUT is operated at the RF continuous emission mode. Each channel should be tested at the lowest data rate. 802.11b/g operating modes are tested independently according to the service requirements in each frequency band. 802.11b/g modes are tested on channel 1, 6, 11; however, if output power reduction is necessary for channels 1 and/or 11 to meet restricted band requirements the highest output channel closest to each of these channels must be tested instead.

SAR is not required for 802.11g/n channels when the maximum average output power is less than 0.25dB higher than that measured on the corresponding 802.11b channels.

Mode	Band	GHz	Channel	"Default Test Channels"	
				802.11b	802.11g
802.11b/g	2.4 GHz	2412	1#	√	△
		2437	6	√	△
		2462	11#	√	△

Notes:

√ = "default test channels"

△ = possible 802.11g channels with maximum average output ¼ dB the "default test channels"

= when output power is reduced for channel 1 and /or 11 to meet restricted band requirements the highest output channels closest to each of these channels should be tested.

802.11 Test Channels per FCC Requirements

9.5 WiFi 2.4G SAR Test Procedures

Separate SAR procedures are applied to DSSS and OFDM configurations in the 2.4 GHz band to simplify DSSS test requirements. For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test positions.

A) 802.11b DSSS SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) When the reported SAR of the highest measured maximum output power channel (section 3.1 of of KDB 248227D01v02) for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- 2) When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.





B) 2.4GHz 802.11g/n OFDM SAR Test Exclusion Requirements

When SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations, the measurement and test reduction procedures for OFDM are applied (section 5.3 of of KDB 248227D01v02r01). SAR is not required for the following 2.4 GHz OFDM conditions.

- 1) When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.
- 2) When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

C) SAR Test Requirements for OFDM configurations

When SAR measurement is required for 802.11 g/n OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the procedures.

10 Detailed Test Results

10.1 Conducted Power measurements

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.



10.1.1 Conducted Power of GSM

Mode: GSM850		Maximum Tune-up(dBm)	Burst Average Power (dBm)			Division Factors	Frame-Average Power (dBm)		
			CH128	CH190	CH251		CH128	CH190	CH251
			824.2MHz	836.6MHz	848.8MHz		824.2MHz	836.6MHz	848.8MHz
GSM(CS)		32.50	32.03	31.65	31.70	-9.03	24.20	23.82	23.87
GPRS (GMSK)	1Tx slot	30.50	30.41	30.31	29.49	-9.03	22.58	22.48	21.66
	2Tx slots	30.50	29.83	29.34	30.05	-9.03	22.00	21.51	22.22
	3Tx slots	30.50	29.81	29.84	30.18	-6.02	21.98	22.01	22.35
	4Tx slots	30.50	30.26	29.61	29.77	-4.26	22.43	21.78	21.94
EGPRS (8PSK)	1Tx slot	28.00	26.77	26.94	27.62	-3.01	18.94	19.11	19.79
	2Tx slots	26.50	26.48	26.32	26.33	-9.03	18.65	18.49	18.50
	3Tx slots	27.00	26.80	26.98	26.69	-6.02	18.97	19.15	18.86
	4Tx slots	27.50	27.06	26.87	26.86	-4.26	19.23	19.04	19.03
Mode: GSM1900		Maximum Tune-up(dBm)	Burst Average Power (dBm)			Division Factors	Frame-Average Power (dBm)		
			CH512	CH661	CH810		CH512	CH661	CH810
			1850.2MHz	1880.0MHz	1909.8MHz		1850.2MHz	1880.0MHz	1909.8MHz
GSM(CS)		30.00	29.76	29.04	29.46	-9.03	26.38	25.66	26.08
GPRS (GMSK)	1Tx slot	27.00	26.94	26.49	26.12	-9.03	23.56	23.11	22.74
	2Tx slots	27.00	26.28	26.87	26.54	-9.03	22.90	23.49	23.16
	3Tx slots	27.00	26.83	26.26	26.44	-6.02	23.45	22.88	23.06
	4Tx slots	27.50	26.51	27.00	26.79	-4.26	23.13	23.62	23.41
EGPRS (8PSK)	1Tx slot	25.00	24.80	24.50	24.04	-3.01	21.42	21.12	20.66
	2Tx slots	25.50	24.04	24.56	25.14	-9.03	20.66	21.18	21.76
	3Tx slots	25.00	24.00	24.56	24.65	-6.02	20.62	21.18	21.27
	4Tx slots	25.00	24.51	24.81	24.56	-4.26	21.13	21.43	21.18

Note:

Division Factors

To average the power, the division factor is as follows:

1Tx-slots = 1 transmit time slots out of 8 time slots=> conducted power divided by (8/1) => -9.03dB

2Tx-slots = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB

3Tx-slots = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB

4Tx-slots = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB





10.1.2 Conducted Power of WCDMA

Mode		Maximum Tune-up(dBm)	WCDMA Band 2		
			Conducted Power (dBm)		
			CH9262	CH9400	CH9538
			1852.4	1880.0	1907.6
RMC 12.2K		22.00	21.02	21.86	21.33
HSDPA	Subtest-1	21.50	21.45	21.33	21.27
	Subtest-2	22.50	22.46	21.80	20.92
	Subtest-3	21.50	21.46	21.47	20.97
	Subtest-4	21.50	21.16	21.06	20.93
HSUPA	Subtest-1	22.50	21.21	22.37	21.32
	Subtest-2	22.50	21.68	21.83	22.31
	Subtest-3	22.00	21.79	21.12	21.56
	Subtest-4	22.00	20.88	21.79	21.29
	Subtest-5	22.50	20.73	21.53	22.18
Mode		Maximum Tune-up(dBm)	WCDMA Band 4		
			Conducted Power (dBm)		
			CH1312	CH1413	CH1513
			1712.4	1732.6	1752.6
RMC 12.2K		23.50	22.02	22.60	23.23
HSDPA	Subtest-1	23.50	22.79	23.47	23.25
	Subtest-2	23.00	21.98	22.54	22.98
	Subtest-3	23.50	23.33	21.83	23.32
	Subtest-4	23.50	22.57	22.09	23.22
HSUPA	Subtest-1	23.00	22.98	21.96	22.35
	Subtest-2	23.00	22.59	22.18	22.09
	Subtest-3	23.50	23.00	22.66	21.71
	Subtest-4	23.00	22.70	21.75	22.55
	Subtest-5	23.50	22.01	23.00	21.77
Mode		Maximum Tune-up(dBm)	WCDMA Band 5		
			Conducted Power (dBm)		
			CH4132	CH4183	CH4233
			826.4	836.6	846.6
RMC 12.2K		22.50	22.30	22.49	21.93
HSDPA	Subtest-1	22.00	21.83	21.88	21.95
	Subtest-2	23.00	21.48	22.73	22.01
	Subtest-3	22.50	22.17	21.78	21.02
	Subtest-4	22.50	21.36	21.20	22.26
HSUPA	Subtest-1	22.50	21.24	22.14	21.61
	Subtest-2	22.50	21.94	22.49	22.19
	Subtest-3	22.00	21.74	21.04	21.65
	Subtest-4	22.50	22.13	21.36	22.46
	Subtest-5	22.50	22.12	22.29	21.63
Per KDB 941225 D01, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/2$ dB higher than the primary mode (RMC12.2kbps) or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.					



10.1.3 Conducted Power of LTE Band 2

LTE-FDD Band 2					Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18607 1850.7MHz	18900 1880.0MHz	19193 1909.3MHz
1.4MHz	QPSK	1	0	22.00	21.86	21.79	21.95
			2	22.00	21.89	21.81	21.92
			5	22.00	21.88	21.80	21.93
		3	0	22.00	21.75	21.78	21.86
			2	22.00	21.74	21.77	21.87
			3	22.00	21.77	21.80	21.87
	16QAM	6	0	21.00	20.79	20.81	20.89
			0	21.50	21.05	21.03	20.85
			2	21.50	21.04	21.00	20.83
		3	5	21.50	21.04	21.06	20.87
			0	21.50	20.96	21.03	21.02
			2	21.50	20.97	21.04	21.00
3MHz	QPSK	1	3	21.50	20.96	21.02	21.03
			6	20.50	19.97	19.98	20.07
		3	0	20.50	19.97	19.98	20.07
			2	20.50	19.97	19.98	20.07
			5	20.50	19.97	19.98	20.07
		6	0	20.50	19.97	19.98	20.07
			2	20.50	19.97	19.98	20.07
			5	20.50	19.97	19.98	20.07
		15	0	20.50	19.97	19.98	20.07
	16QAM	8	0	20.00	19.84	19.83	19.94
			4	20.00	19.83	19.83	19.88
			7	20.00	19.85	19.84	19.89
		15	0	20.00	19.86	19.75	19.96
			0	21.50	21.27	21.06	20.85
			7	21.50	21.32	21.11	20.90
			14	21.50	21.29	21.01	20.86
		15	0	20.00	19.86	19.75	19.96
			0	21.50	21.27	21.06	20.85
			7	21.50	21.32	21.11	20.90
5MHz	QPSK	1	0	22.00	21.97	21.89	21.97
			13	22.00	21.95	21.95	21.94
			24	22.00	21.96	21.90	21.94
		12	0	21.00	20.89	20.87	20.99
			6	21.00	20.87	20.85	20.94
			13	21.00	20.88	20.86	20.93
		25	0	21.00	20.95	20.91	20.99
			0	21.50	21.48	21.30	21.31
			13	22.00	21.53	21.34	21.33
	16QAM	1	24	21.50	21.49	21.31	21.32
			0	20.50	19.93	19.85	20.02
			6	20.50	19.92	19.83	20.00
		12	13	20.00	19.90	19.85	19.98
			0	20.00	19.89	19.90	19.97
			0	20.00	19.89	19.90	19.97
		25	0	20.00	19.89	19.90	19.97
			0	20.00	19.89	19.90	19.97
			0	20.00	19.89	19.90	19.97



LTE-FDD Band 2				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		18650	18900	19150	
					1855.0MHz	1880.0MHz	1905.0MHz	
10MHz	QPSK	1	0	22.00	21.94	21.92	21.95	
			25	22.00	21.88	21.89	21.98	
			49	22.50	21.92	21.93	22.09	
		25	0	21.00	20.90	20.89	20.92	
			13	21.00	20.89	20.89	20.92	
			25	21.00	20.91	20.91	20.94	
	16QAM	50	0	21.00	20.91	20.89	20.96	
			0	21.50	21.41	21.14	20.82	
			25	21.50	21.36	21.12	20.87	
		1	49	21.50	21.41	21.12	20.94	
			0	20.00	19.93	19.88	19.91	
			13	20.00	19.91	19.87	19.91	
15MHz	QPSK	25	25	20.00	19.92	19.91	19.93	
			0	20.00	19.88	19.91	19.94	
			0	20.00	19.88	19.91	19.94	
	16QAM	50	0	20.00	19.88	19.91	19.94	
			0	20.00	19.88	19.91	19.94	
			0	20.00	19.88	19.91	19.94	
20MHz	QPSK	1	0	22.50	21.95	21.93	22.12	
			38	22.50	21.98	22.02	22.04	
			74	22.50	21.87	21.95	22.10	
		36	0	21.00	20.92	20.91	20.98	
			18	21.00	20.93	20.90	20.95	
			39	21.00	20.89	20.95	20.99	
	16QAM	75	0	21.00	20.92	20.94	20.98	
			0	21.50	21.42	21.14	21.15	
			38	21.50	21.42	21.20	21.08	
		1	74	21.50	21.36	21.17	21.18	
			0	20.00	19.98	19.99	19.95	
			18	20.00	19.94	19.97	19.92	
25MHz	QPSK	36	39	20.50	19.93	20.02	19.96	
			0	20.50	19.93	19.96	20.05	
			0	20.50	19.93	19.96	20.05	
	16QAM	75	0	20.50	19.93	19.96	20.05	
			0	20.50	19.93	19.96	20.05	
			0	20.50	19.93	19.96	20.05	
30MHz	QPSK	1	0	22.50	21.98	21.99	22.02	
			50	22.50	21.92	22.10	21.97	
			99	22.50	21.96	22.12	22.05	
		50	0	21.50	21.00	20.97	21.06	
			25	21.50	20.95	20.98	21.01	
			50	21.00	20.92	20.98	20.98	
	16QAM	100	0	21.50	20.95	20.97	21.02	
			0	21.50	21.34	21.22	21.37	
			50	21.50	21.34	21.32	21.27	
		1	99	21.50	21.40	21.32	21.37	
			0	20.50	20.03	19.95	20.06	
			25	20.50	20.00	19.96	20.06	
35MHz	QPSK	50	50	20.50	19.96	19.97	20.01	
			0	20.50	19.95	19.97	20.02	
			0	20.50	19.95	19.97	20.02	
	16QAM	100	0	20.50	19.95	19.97	20.02	
			0	20.50	19.95	19.97	20.02	
			0	20.50	19.95	19.97	20.02	



10.1.4 Conducted Power of LTE Band 4

LTE-FDD Band 4				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		19957	20175	20393	
					1710.7MHz	1732.5MHz	1754.3MHz	
1.4MHz	QPSK	1	0	23.00	22.62	22.51	22.51	
			2	23.00	22.55	22.53	22.54	
			5	23.00	22.52	22.51	22.52	
		3	0	23.00	22.54	22.37	22.53	
			2	23.00	22.53	22.37	22.52	
			3	23.00	22.53	22.37	22.52	
	16QAM	6	0	22.00	21.52	21.41	21.54	
			0	22.00	21.47	21.67	21.78	
			2	22.00	21.47	21.64	21.73	
		1	5	22.00	21.45	21.68	21.76	
			0	22.00	21.67	21.59	21.77	
			2	22.00	21.66	21.59	21.76	
3	2	22.00	21.66	21.58	21.76			
	3	22.00	21.66	21.58	21.76			
	6	0	21.00	20.70	20.60	20.72		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	19965	20175	20385	
					1711.5MHz	1732.5MHz	1753.5MHz	
3MHz	QPSK	1	0	23.00	22.55	22.38	22.59	
			7	23.00	22.52	22.43	22.57	
			14	23.00	22.49	22.46	22.62	
		8	0	22.00	21.58	21.44	21.58	
			4	22.00	21.56	21.45	21.54	
			7	22.00	21.55	21.45	21.56	
		15	0	22.00	21.55	21.47	21.56	
		16QAM	1	0	22.50	22.00	21.67	21.51
				7	22.00	21.96	21.70	21.52
	14			22.00	21.97	21.72	21.47	
	8		0	21.00	20.61	20.47	20.60	
			4	21.00	20.59	20.47	20.55	
			7	21.00	20.58	20.49	20.55	
	15	0	21.00	20.58	20.39	20.65		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	19975	20175	20375
1712.5MHz						1732.5MHz	1752.5MHz	
5MHz	QPSK	1	0	23.00	22.76	22.51	22.61	
			13	23.00	22.72	22.58	22.59	
			24	23.00	22.66	22.57	22.63	
		12	0	22.00	21.63	21.51	21.66	
			6	22.00	21.64	21.49	21.64	
			13	22.00	21.60	21.52	21.64	
		25	0	22.00	21.66	21.58	21.69	
		16QAM	1	0	22.50	22.18	21.89	22.06
				13	22.50	22.15	21.98	21.98
	24			22.50	22.13	21.96	22.11	
	12		0	21.00	20.65	20.48	20.73	
			6	21.00	20.65	20.46	20.70	
			13	21.00	20.60	20.49	20.71	
	25	0	21.00	20.61	20.58	20.66		



LTE-FDD Band 4				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20000	20175	20350
					1715.0MHz	1732.5MHz	1750.0MHz
10MHz	QPSK	1	0	23.00	22.68	22.52	22.74
			25	23.00	22.53	22.50	22.66
			49	23.00	22.61	22.62	22.74
		25	0	22.00	21.62	21.51	21.65
			13	22.00	21.57	21.50	21.63
			25	22.00	21.57	21.54	21.62
	16QAM	50	0	22.00	21.60	21.52	21.66
		1	0	22.50	22.12	21.74	21.63
			25	22.00	21.96	21.71	21.51
			49	22.50	22.06	21.83	21.63
		25	0	21.00	20.64	20.49	20.64
			13	21.00	20.56	20.48	20.61
			25	21.00	20.58	20.54	20.63
		50	0	21.00	20.58	20.53	20.63
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20025	20175	20325
					1717.5MHz	1732.5MHz	1747.5MHz
15MHz	QPSK	1	0	23.00	22.66	22.58	22.78
			38	23.00	22.60	22.58	22.76
			74	23.00	22.52	22.62	22.77
		36	0	22.00	21.63	21.53	21.70
			18	22.00	21.57	21.53	21.70
			39	22.00	21.53	21.56	21.69
	16QAM	75	0	22.00	21.57	21.58	21.72
		1	0	22.50	22.07	21.82	21.79
			38	22.50	22.06	21.82	21.80
			74	22.00	21.97	21.84	21.78
		36	0	21.00	20.67	20.58	20.68
			18	21.00	20.62	20.61	20.67
			39	21.00	20.57	20.63	20.64
		75	0	21.00	20.60	20.58	20.76
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20050	20175	20300
					1720.0MHz	1732.5MHz	1745.0MHz
20MHz	QPSK	1	0	23.00	22.68	22.63	22.67
			50	23.00	22.62	22.67	22.71
			99	23.00	22.56	22.77	22.71
		50	0	22.00	21.62	21.57	21.72
			25	22.00	21.58	21.60	21.76
			50	22.00	21.59	21.63	21.71
	16QAM	100	0	22.00	21.61	21.62	21.70
		1	0	22.50	22.03	21.81	22.03
			50	22.50	22.01	21.90	22.05
			99	22.50	22.00	22.01	22.01
		50	0	21.00	20.65	20.53	20.76
			25	21.00	20.64	20.58	20.78
			50	21.00	20.63	20.60	20.74
		100	0	21.00	20.61	20.60	20.68



10.1.5 Conducted Power of LTE Band 5

LTE-FDD Band 5				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20407	20525	20643
					824.7MHz	836.5MHz	848.3MHz
1.4MHz	QPSK	1	0	23.00	23.00	22.86	22.94
			2	23.50	23.05	22.89	22.99
			5	23.50	23.03	22.85	22.97
		3	0	23.00	22.91	22.85	22.87
			2	23.00	22.91	22.81	22.89
			3	23.00	22.95	22.84	22.92
		6	0	22.00	21.96	21.97	21.99
	16QAM	1	0	22.50	22.22	22.23	21.93
			2	22.50	22.20	22.19	21.94
			5	22.50	22.24	22.23	21.94
		3	0	22.50	22.15	22.17	22.13
			2	22.50	22.14	22.20	22.13
			3	22.50	22.18	22.17	22.16
		6	0	21.50	21.18	21.13	21.21
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20415	20525	20635
					825.5MHz	836.5MHz	847.5MHz
3MHz	QPSK	1	0	23.00	22.98	22.85	22.93
			7	23.00	22.96	22.88	22.96
			14	23.50	22.88	22.85	23.02
		8	0	22.50	22.04	21.98	22.03
			4	22.50	22.00	21.98	22.01
			7	22.50	22.03	21.98	21.96
		15	0	22.50	22.03	21.94	22.03
	16QAM	1	0	22.50	22.48	22.21	21.98
			7	23.00	22.51	22.18	21.95
			14	22.50	22.50	22.20	21.93
		8	0	21.50	21.09	20.96	21.07
			4	21.50	21.04	20.97	21.02
			7	21.50	21.08	20.95	20.96
		15	0	21.50	21.07	20.89	21.09



LTE-FDD Band 5				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20425	20525	20625
					826.5MHz	836.5MHz	846.5MHz
5MHz	QPSK	1	0	23.50	23.15	23.01	22.89
			13	23.50	23.11	23.00	22.93
			24	23.50	23.10	23.00	22.97
		12	0	22.50	22.09	22.00	22.09
			6	22.50	22.06	21.98	22.08
			13	22.50	22.03	21.99	22.05
		25	0	22.50	22.13	22.03	22.08
	16QAM	1	0	23.00	22.62	22.48	22.41
			13	23.00	22.68	22.42	22.35
			24	23.00	22.65	22.43	22.40
		12	0	21.50	21.09	20.96	21.14
			6	21.50	21.09	20.96	21.12
			13	21.50	21.08	20.95	21.07
		25	0	21.50	21.05	21.05	21.05
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20450	20525	20600
					829.0MHz	836.5MHz	844.0MHz
10MHz	QPSK	1	0	23.50	23.06	22.94	23.04
			25	23.50	23.00	23.01	23.06
			49	23.50	22.95	23.02	23.15
		25	0	22.50	22.01	22.03	21.99
			13	22.50	22.03	22.02	22.06
			25	22.50	22.07	22.02	22.04
		50	0	22.50	22.03	22.02	22.03
	16QAM	1	0	22.50	22.49	22.20	21.96
			25	23.00	22.51	22.24	21.95
			49	23.00	22.58	22.27	22.01
		25	0	21.50	21.04	20.99	20.97
			13	21.50	21.06	20.99	21.03
			25	21.50	21.08	21.01	21.01
		50	0	21.50	21.00	21.04	20.99



10.1.6 Conducted Power of LTE Band 7

LTE-FDD Band 7				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20775 2502.5MHz	21100 2535.0MHz	21425 2567.5MHz
5MHz	QPSK	1	0	22.50	22.04	21.99	22.08
			13	22.50	22.13	22.04	22.18
			24	22.50	22.19	22.15	22.19
		12	0	21.50	21.00	20.95	21.17
			6	21.50	21.02	20.91	21.19
			13	21.50	21.04	20.97	21.20
	16QAM	25	0	21.50	21.08	20.99	21.24
			0	21.50	21.50	21.28	21.50
			13	22.00	21.58	21.37	21.49
		12	24	22.00	21.64	21.39	21.56
			0	20.50	20.04	19.96	20.24
			6	20.50	20.08	19.93	20.25
10MHz	QPSK	1	13	20.50	20.09	19.99	20.27
			25	20.50	20.06	20.01	20.22
		25	0	20.50	20.800	21100	21400
			0	22.50	22.16	22.03	22.29
			25	22.50	22.21	22.02	22.26
			49	22.50	22.24	22.19	22.41
		25	0	21.50	21.17	21.05	21.27
			13	21.50	21.21	21.08	21.25
			25	21.50	21.26	21.13	21.32
	16QAM	50	0	21.50	21.19	21.13	21.32
			0	22.00	21.59	21.23	21.19
			25	22.00	21.63	21.25	21.18
		1	49	22.00	21.64	21.45	21.38
			0	20.50	20.19	20.06	20.29
			13	20.50	20.24	20.08	20.23
		25	25	20.50	20.27	20.14	20.30
			0	20.50	20.20	20.14	20.31
			0	20.50	20.20	20.14	20.31



Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20825	21100	21375
					2057.5MHz	2535.0MHz	2562.5MHz
15MHz	QPSK	1	0	22.50	22.17	22.12	22.34
			38	22.50	22.22	22.23	22.33
			74	22.50	22.11	22.40	22.35
		36	0	21.50	21.22	21.04	21.29
			18	21.50	21.24	21.13	21.30
			39	21.50	21.22	21.17	21.33
	16QAM	1	0	22.00	21.34	21.19	21.74
			38	22.00	21.47	21.25	21.70
			74	22.00	21.36	21.45	21.83
		36	0	20.50	20.30	20.06	20.35
			18	20.50	20.34	20.13	20.35
			39	20.50	20.31	20.18	20.39
20MHz	QPSK	1	0	22.50	22.26	22.16	22.37
			50	22.50	22.32	22.22	22.31
			99	22.50	22.16	22.48	22.30
		50	0	21.50	21.31	21.14	21.42
			25	21.50	21.32	21.23	21.41
			50	21.50	21.24	21.30	21.43
	16QAM	100	0	21.50	21.28	21.24	21.40
			0	22.00	21.65	21.29	21.74
			50	22.00	21.71	21.40	21.67
		50	99	22.00	21.51	21.63	21.77
			0	20.50	20.34	20.13	20.44
			25	20.50	20.40	20.23	20.44
20MHz	QPSK	1	0	22.50	22.26	22.16	22.37
			50	22.50	22.32	22.22	22.31
			99	22.50	22.16	22.48	22.30
		50	0	21.50	21.31	21.14	21.42
			25	21.50	21.32	21.23	21.41
			50	21.50	21.24	21.30	21.43
	16QAM	100	0	21.50	21.28	21.24	21.40
			0	22.00	21.65	21.29	21.74
			50	22.00	21.71	21.40	21.67
		50	99	22.00	21.51	21.63	21.77
			0	20.50	20.34	20.13	20.44
			25	20.50	20.40	20.23	20.44



10.1.7 Conducted Power of LTE Band 12

LTE-FDD Band 12				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23017	23095	23173
					699.7MHz	707.5MHz	715.5MHz
1.4MHz	QPSK	1	0	23.50	23.05	23.09	23.07
			2	23.50	23.04	23.10	23.08
			5	23.50	23.04	23.09	23.03
		3	0	23.50	22.97	22.99	23.12
			2	23.50	22.98	22.98	23.06
			3	23.50	22.99	23.02	23.08
	16QAM	6	0	22.50	21.99	22.03	22.13
			0	22.50	21.97	22.26	22.34
			2	22.50	21.96	22.21	22.28
		1	5	22.50	21.96	22.26	22.33
			0	22.50	22.12	22.21	22.33
			2	22.50	22.13	22.21	22.35
3MHz	QPSK	3	3	22.50	22.13	22.24	22.31
			0	21.50	21.16	21.23	21.29
			6	0	21.50	21.16	21.23
		15	0	22.50	22.00	22.07	22.15
			4	22.50	22.00	22.07	22.11
			7	22.50	22.02	22.07	22.14
	16QAM	8	0	22.50	22.00	22.08	22.16
			0	22.50	22.45	22.30	22.07
			7	22.50	22.45	22.28	22.10
		1	14	22.50	22.47	22.30	22.08
			0	21.50	21.07	21.10	21.17
			4	21.50	21.07	21.08	21.13
4.8MHz	QPSK	7	7	21.50	21.08	21.10	21.15
			0	21.50	21.08	21.02	21.20
			15	0	21.50	21.08	21.02
		1	0	21.50	21.08	21.02	21.20
			4	21.50	21.08	21.02	21.20
			7	21.50	21.08	21.02	21.20
	16QAM	8	0	21.50	21.08	21.02	21.20
			4	21.50	21.08	21.02	21.20
			7	21.50	21.08	21.02	21.20
		15	0	21.50	21.08	21.02	21.20
			4	21.50	21.08	21.02	21.20
			7	21.50	21.08	21.02	21.20



Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23035	23095	23155
					701.5MHz	707.5MHz	713.5MHz
5MHz	QPSK	1	0	23.50	23.21	23.16	23.12
			13	23.50	23.21	23.21	23.12
			24	23.50	23.24	23.25	23.12
		12	0	22.50	22.07	22.11	22.17
			6	22.50	22.07	22.13	22.16
			13	22.50	22.07	22.11	22.16
	16QAM	1	0	23.00	22.63	22.52	22.47
			13	23.00	22.65	22.55	22.43
			24	23.00	22.66	22.65	22.47
		12	0	21.50	21.06	21.10	21.23
			6	21.50	21.09	21.10	21.20
			13	21.50	21.08	21.08	21.25
		25	0	21.50	21.05	21.16	21.16
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23060	23095	23130
					704.0MHz	707.5MHz	711.0MHz
10MHz	QPSK	1	0	23.50	23.15	23.12	23.21
			25	23.50	23.14	23.14	23.22
			49	23.50	23.23	23.17	23.26
		25	0	22.50	22.12	22.14	22.15
			13	22.50	22.14	22.15	22.14
			25	22.50	22.18	22.15	22.20
	16QAM	50	0	22.50	22.14	22.15	22.20
		1	0	23.00	22.52	22.31	22.06
			25	23.00	22.54	22.34	22.10
			49	23.00	22.63	22.36	22.12
		25	0	21.50	21.11	21.11	21.14
			13	21.50	21.13	21.13	21.11
			25	21.50	21.18	21.13	21.16
		50	0	21.50	21.13	21.15	21.15



10.1.8 Conducted Power of LTE Band 17

LTE-FDD Band 17				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23755	23790	23825
					706.5MHz	710.0MHz	713.5MHz
5MHz	QPSK	1	0	23.50	22.91	23.16	23.12
			13	23.50	22.93	23.22	23.13
			24	23.50	23.05	23.23	23.19
		12	0	22.50	21.97	22.12	22.09
			6	22.50	21.96	22.10	22.08
			13	22.50	22.00	22.07	22.09
	25	0	22.50	22.02	22.13	22.13	
	16QAM	1	0	23.00	22.27	22.56	22.57
			13	23.00	22.33	22.62	22.52
			24	23.00	22.40	22.63	22.56
		12	0	21.50	21.04	21.10	21.04
			6	21.50	21.04	21.08	21.04
			13	21.50	21.09	21.09	21.07
		25	0	21.50	20.97	21.07	21.13
Bandwidth		Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	23780	23790
	709.0MHz					710.0MHz	711.0MHz
10MHz	QPSK	1	0	23.50	22.99	23.01	23.11
			25	23.50	23.11	23.04	23.17
			49	23.50	23.10	23.11	23.22
		25	0	22.50	22.03	22.06	22.09
			13	22.50	22.09	22.12	22.11
			25	22.50	22.11	22.09	22.14
	50	0	22.50	22.06	22.11	22.11	
	16QAM	1	0	22.50	22.43	22.22	22.00
			25	23.00	22.53	22.27	22.05
			49	23.00	22.54	22.31	22.16
		25	0	21.50	21.03	21.06	21.08
			13	21.50	21.10	21.11	21.11
			25	21.50	21.11	21.06	21.13
		50	0	21.50	21.05	21.14	21.11



10.1.9 Conducted Power of LTE Band 38

LTE-TDD Band 38				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		37775 2572.5MHz	38000 2595.0MHz	38225 2617.5MHz
5MHz	QPSK	1	0	23.00	22.37	22.61	22.64
			13	23.00	22.51	22.64	22.62
			24	23.00	22.51	22.64	22.55
		12	0	22.00	21.48	21.48	21.62
			6	22.00	21.53	21.45	21.58
			13	22.00	21.55	21.46	21.53
	16QAM	25	0	22.00	21.55	21.50	21.60
			0	22.50	21.70	22.10	21.94
			13	22.50	21.81	22.08	21.87
		12	24	22.50	21.85	22.10	21.86
			0	21.00	20.52	20.50	20.59
			6	21.00	20.55	20.44	20.55
10MHz	QPSK	25	13	21.00	20.60	20.48	20.51
			0	21.00	20.52	20.43	20.61
		50	0	21.00	20.52	20.43	20.61
			0	23.00	22.48	22.42	22.60
			25	23.00	22.57	22.48	22.59
			49	23.00	22.58	22.43	22.55
		25	0	22.00	21.50	21.39	21.58
			13	22.00	21.55	21.42	21.59
			25	22.00	21.58	21.46	21.57
	16QAM	50	0	22.00	21.50	21.41	21.56
			0	22.00	21.92	21.58	21.62
			25	22.50	22.10	21.57	21.57
		1	49	22.50	22.03	21.58	21.56
			0	21.00	20.50	20.37	20.57
			13	21.00	20.52	20.39	20.56
		25	25	21.00	20.54	20.44	20.55
			0	21.00	20.49	20.42	20.53
			0	21.00	20.49	20.42	20.53



Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37825	38000	38175
					2577.5MHz	2595.0MHz	2612.5MHz
15MHz	QPSK	1	0	23.00	22.44	22.46	22.68
			38	23.00	22.56	22.47	22.68
			74	23.00	22.48	22.44	22.61
		36	0	22.00	21.42	21.37	21.54
			18	22.00	21.44	21.35	21.56
			39	22.00	21.41	21.40	21.55
	16QAM	75	0	22.00	21.45	21.38	21.56
			0	22.00	21.95	21.61	21.76
			38	22.50	22.04	21.62	21.77
		36	74	22.00	21.99	21.56	21.71
			0	21.00	20.48	20.46	20.52
			18	21.00	20.49	20.42	20.52
20MHz	QPSK	39	21.00	20.48	20.47	20.54	20.54
			0	21.00	20.46	20.40	20.61
		75	0	21.00	20.46	20.40	20.61
			0	22.00	21.62	21.66	21.63
			50	22.00	21.72	21.65	21.87
		100	99	22.00	21.78	21.75	21.80
			0	21.00	20.57	20.43	20.58
			25	21.00	20.55	20.40	20.64
	16QAM	50	50	21.00	20.50	20.45	20.62
			0	21.00	20.49	20.45	20.58
		100	0	21.00	20.49	20.45	20.58
			0	22.50	22.36	22.49	22.39
		1	50	23.00	22.43	22.53	22.60
			99	23.00	22.44	22.57	22.53
		50	0	22.00	21.54	21.45	21.55
			25	22.00	21.49	21.42	21.62
			50	22.00	21.47	21.46	21.61



10.1.10 Conducted Power of LTE Band 41

LTE-TDD Band 41					Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39675	40160	40620	41080	41565
5MHz	QPSK	1	0	22.50	22.33	21.87	22.45	21.64	20.59
			13	22.50	22.31	21.41	22.48	21.69	20.43
			24	22.50	22.39	21.68	22.46	21.85	20.55
		12	0	21.50	21.17	21.02	21.07	21.49	20.56
			6	21.50	21.17	21.12	21.40	21.14	20.50
			13	21.50	21.20	21.26	21.43	21.42	20.54
	16QAM	25	0	21.50	21.23	21.03	21.49	21.19	20.57
			0	22.00	21.73	21.97	21.76	21.69	20.80
			13	22.00	21.79	21.87	21.81	21.88	20.68
		12	24	22.00	21.81	21.78	21.76	21.23	20.83
			0	20.50	20.18	20.16	20.44	20.33	20.29
			6	20.50	20.18	20.39	20.37	20.26	20.28
		25	13	20.50	20.22	20.19	20.40	20.02	20.30
			0	20.50	20.16	20.00	20.49	20.20	20.25
			0	20.50	20.16	20.00	20.49	20.20	20.25
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39700	40135	40620	41055	41540
10MHz	QPSK	1	0	22.50	22.07	21.38	22.14	21.94	20.14
			25	22.50	22.21	21.74	22.42	21.42	20.19
			49	22.50	22.42	21.83	22.41	21.33	20.45
		25	0	21.50	21.24	20.03	21.49	20.91	20.17
			13	21.50	21.27	21.18	21.44	21.01	20.22
			25	21.50	21.34	21.14	21.43	21.22	20.36
		50	0	21.50	21.28	21.15	21.44	21.23	20.24
			0	22.00	21.74	21.45	21.64	21.67	19.96
			25	22.00	21.72	21.49	21.59	21.38	20.03
	16QAM	1	49	22.00	21.88	21.82	21.64	21.33	20.33
			0	20.50	20.25	20.09	20.46	20.15	20.10
			13	20.50	20.25	20.09	20.43	20.22	20.15
		25	25	20.50	20.32	20.26	20.43	20.02	20.27
			0	20.50	20.26	20.20	20.46	20.26	20.18
			0	20.50	20.26	20.20	20.46	20.26	20.18
		50	0	20.50	20.26	20.20	20.46	20.26	20.18



Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39725	40160	40620	41030	41515
					2503.5MHz	2547.0MHz	2593.0MHz	2634.0MHz	2682.5MHz
15MHz	QPSK	1	0	22.50	22.23	21.82	22.49	21.33	20.75
			38	23.00	22.36	21.54	22.54	22.14	20.47
			74	22.50	22.44	21.34	22.47	21.54	20.55
		36	0	21.50	21.25	21.24	21.46	21.18	20.51
			18	21.50	21.30	21.43	21.48	21.02	20.41
			39	21.50	21.37	21.15	21.43	21.85	20.39
	16QAM	75	0	21.50	21.32	21.39	21.45	21.09	20.45
			0	22.00	21.75	21.51	21.64	21.72	20.76
			38	22.00	21.84	20.25	21.68	21.68	20.51
		1	74	22.00	21.91	21.22	21.60	20.29	20.63
			0	21.00	20.29	20.97	20.53	20.36	20.27
			18	21.00	20.34	20.88	20.53	20.48	20.28
20MHz	QPSK	36	39	21.00	20.42	20.29	20.51	20.96	20.26
			0	20.50	20.33	20.51	20.47	20.96	20.36
		75	0	20.50	20.33	20.51	20.47	20.96	20.36
		1	0	23.00	21.97	22.15	22.54	21.64	20.85
			50	23.00	22.36	21.50	22.58	21.86	20.22
			99	23.00	22.30	21.95	22.56	21.64	20.36
	16QAM	50	0	22.00	21.32	21.80	21.53	21.79	20.50
			25	21.50	21.41	21.19	21.50	21.00	20.24
			50	21.50	21.42	21.14	21.48	21.24	20.17
		100	0	21.50	21.38	21.01	21.49	20.00	20.33
			0	22.00	21.50	21.68	21.69	21.52	20.87
			50	22.00	21.67	21.79	21.72	21.00	20.28
25MHz	QPSK	1	99	22.00	21.60	21.75	21.70	21.93	20.44
			0	20.50	20.35	20.32	20.50	20.02	20.44
			25	20.50	20.42	20.42	20.47	20.31	20.23
		50	50	20.50	20.44	20.94	20.46	20.05	20.17
			0	20.50	20.36	20.41	20.45	20.61	20.29
			0	20.50	20.36	20.41	20.45	20.61	20.29



10.1.11 Conducted Power of LTE Band 42

LTE-TDD Band 42				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		42115 3452.5MHz	42590 3500.0MHz	43065 3547.5MHz
5MHz	QPSK	1	0	21.00	20.72	20.63	20.64
			13	21.00	20.72	20.61	20.68
			24	21.00	20.72	20.63	20.75
		12	0	20.00	19.74	19.51	19.61
			6	20.00	19.72	19.49	19.61
			13	20.00	19.74	19.50	19.66
	16QAM	25	0	20.00	19.77	19.55	19.66
			0	20.50	20.05	20.18	19.95
			13	20.50	20.07	20.16	19.96
		12	24	20.50	20.07	20.16	20.07
			0	19.00	18.80	18.51	18.58
			6	19.00	18.80	18.55	18.60
10MHz	QPSK	1	13	19.00	18.79	18.51	18.67
			25	19.00	18.72	18.49	18.65
		25	0	19.00	18.72	18.49	18.65
			0	21.00	20.79	20.65	20.57
			25	21.00	20.75	20.56	20.67
		50	49	21.00	20.77	20.60	20.78
			0	20.00	19.80	19.55	19.56
			13	20.00	19.78	19.55	19.62
	16QAM	25	25	20.00	19.79	19.55	19.70
			0	20.00	19.78	19.58	19.60
		50	0	20.00	19.78	19.58	19.60
			0	20.50	20.28	19.77	19.55
			25	20.50	20.23	19.72	19.63
		25	49	20.50	20.28	19.71	19.78
			0	19.00	18.78	18.56	18.56
			13	19.00	18.77	18.53	18.60
		50	25	19.00	18.77	18.54	18.67
			0	19.00	18.75	18.57	18.56



Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	42165	42590	43015
					3457.5MHz	3500.0MHz	3542.5MHz
15MHz	QPSK	1	0	21.00	20.76	20.67	20.59
			38	21.00	20.78	20.62	20.72
			74	21.00	20.72	20.62	20.85
		36	0	20.00	19.78	19.61	19.53
			18	20.00	19.77	19.56	19.58
			39	20.00	19.76	19.57	19.69
		75	0	20.00	19.80	19.60	19.60
			0	20.50	20.27	19.82	19.75
			38	20.50	20.28	19.77	19.85
	16QAM	1	74	20.50	20.24	19.79	20.02
			0	19.00	18.83	18.68	18.51
			18	19.00	18.83	18.63	18.57
		36	39	19.00	18.81	18.63	18.67
			75	19.00	18.81	18.60	18.65
		75	0	19.00	18.81	18.60	18.65
			0	20.50	20.11	19.96	19.77
			50	20.50	20.10	19.84	19.79
			99	20.50	20.03	19.91	20.02
20MHz	QPSK	1	0	21.00	20.80	20.77	20.57
			50	21.00	20.79	20.69	20.57
			99	21.00	20.73	20.71	20.82
		50	0	20.00	19.85	19.68	19.55
			25	20.00	19.84	19.66	19.62
			50	20.00	19.79	19.67	19.72
		100	0	20.00	19.78	19.66	19.60
			0	20.50	20.11	19.96	19.77
			50	20.50	20.10	19.84	19.79
	16QAM	1	99	20.50	20.03	19.91	20.02
			0	19.00	18.89	18.66	18.55
			25	19.00	18.88	18.62	18.62
		50	50	19.00	18.82	18.63	18.72
			100	19.00	18.81	18.66	18.61
		100	0	19.00	18.81	18.66	18.61
			0	20.50	20.11	19.96	19.77
			50	20.50	20.10	19.84	19.79
			99	20.50	20.03	19.91	20.02



10.1.12 Conducted Power of LTE Band 66

LTE-FDD Band 66				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		131979 1710.7MHz	132322 1755.0MHz	132665 1779.3MHz
1.4MHz	QPSK	1	0	23.00	22.81	22.79	22.84
			2	23.00	22.84	22.81	22.85
			5	23.00	22.79	22.78	22.82
		3	0	23.00	22.71	22.77	22.79
			2	23.00	22.70	22.75	22.78
			3	23.00	22.72	22.76	22.77
	16QAM	6	0	22.00	21.74	21.78	21.79
			0	22.50	21.98	22.03	21.74
			2	22.50	21.96	22.01	21.75
		3	5	22.50	21.94	22.04	21.78
			0	22.00	21.90	21.99	21.96
			2	22.50	21.91	22.00	21.94
3MHz	QPSK	1	3	22.50	21.90	22.00	21.97
			0	21.00	20.94	20.97	20.94
		6	0	21.00	20.94	20.97	20.94
	16QAM	1	0	23.00	22.78	22.73	22.84
			7	23.00	22.75	22.79	22.81
			14	23.00	22.73	22.77	22.85
		8	0	22.00	21.78	21.78	21.81
			4	22.00	21.75	21.80	21.79
			7	22.00	21.77	21.80	21.80
	16QAM	15	0	22.00	21.78	21.82	21.85
			0	22.50	22.25	21.97	21.81
			7	22.50	22.19	22.01	21.75
5MHz	QPSK	1	14	22.50	22.19	22.05	21.76
			0	21.00	20.80	20.80	20.83
			4	21.00	20.80	20.83	20.83
	16QAM	8	7	21.00	20.77	20.81	20.86
			0	21.00	20.79	20.74	20.88
			0	21.00	20.79	20.74	20.88
10MHz	QPSK	1	0	23.00	22.80	22.93	22.95
			13	23.00	22.77	22.94	22.95
			24	23.00	22.69	22.97	22.92
		12	0	22.00	21.80	21.84	21.91
			6	22.00	21.78	21.88	21.92
			13	22.00	21.75	21.85	21.86
	16QAM	25	0	22.00	21.81	21.90	21.96
			0	22.50	22.11	22.39	22.46
			13	22.50	22.13	22.44	22.41
		1	24	22.50	22.01	22.45	22.30
			0	21.00	20.89	20.87	20.89
			6	21.00	20.83	20.87	20.90
15MHz	QPSK	12	13	21.00	20.81	20.86	20.87
			0	21.00	20.76	20.83	20.96
		25	0	21.00	20.76	20.83	20.96
	16QAM	1	0	23.00	22.80	22.93	22.95
			13	23.00	22.77	22.94	22.95
			24	23.00	22.69	22.97	22.92
		12	0	22.00	21.80	21.84	21.91
			6	22.00	21.78	21.88	21.92
			13	22.00	21.75	21.85	21.86
20MHz	QPSK	25	0	22.00	21.81	21.90	21.96
			0	22.50	22.11	22.39	22.46
			13	22.50	22.13	22.44	22.41
	16QAM	1	24	22.50	22.01	22.45	22.30
			0	21.00	20.89	20.87	20.89
			6	21.00	20.83	20.87	20.90
	16QAM	12	13	21.00	20.81	20.86	20.87
			0	21.00	20.76	20.83	20.96
			0	21.00	20.76	20.83	20.96



LTE-FDD Band 66				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		132022	132322	132622
					1715.0MHz	1755.0MHz	1775.0MHz
10MHz	QPSK	1	0	23.00	22.89	22.90	22.98
			25	23.00	22.69	22.91	22.87
			49	23.00	22.78	22.99	22.92
		25	0	22.00	21.81	21.86	21.97
			13	22.00	21.78	21.83	21.94
			25	22.00	21.77	21.86	21.93
	16QAM	50	0	22.00	21.80	21.85	21.95
			0	22.50	22.08	21.79	22.46
			25	22.50	21.90	21.76	22.38
		25	49	22.50	21.99	21.84	22.41
			0	21.00	20.79	20.85	20.98
			13	21.00	20.75	20.82	20.96
50	25	21.00	20.75	20.83	20.94		
	0	21.00	20.81	20.80	20.93		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	132047	132322
1717.5MHz						1755.0MHz	1772.5MHz
15MHz	QPSK	1	0	23.50	22.92	22.83	23.00
			38	23.00	22.87	22.92	22.97
			74	23.00	22.78	22.92	22.93
		36	0	22.00	21.80	21.87	21.99
			18	22.00	21.78	21.88	21.98
			39	22.00	21.76	21.88	21.95
	16QAM	75	0	22.00	21.81	21.88	21.98
			0	22.50	21.93	22.31	22.25
			38	22.50	21.89	22.39	22.23
		36	74	22.50	21.83	22.38	22.14
			0	21.50	20.78	20.91	21.03
			18	21.50	20.75	20.92	21.06
75	39	21.50	20.73	20.92	21.03		
	0	21.00	20.83	20.89	20.99		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	132072	132322
1720.0MHz						1755.0MHz	1770.0MHz
20MHz	QPSK	1	0	23.00	22.89	22.94	22.94
			50	23.50	22.80	23.06	22.99
			99	23.50	22.77	23.01	22.90
		50	0	22.00	21.81	21.94	21.97
			25	22.50	21.84	21.94	22.02
			50	22.50	21.83	21.93	22.00
	16QAM	100	0	22.50	21.84	21.93	22.01
			0	22.50	22.22	22.16	22.25
			50	22.50	22.29	22.25	22.29
		50	99	22.50	22.22	22.26	22.26
			0	21.50	20.87	20.93	21.01
			25	21.50	20.87	20.91	21.06
50	21.50	20.87	20.93	21.01			
100	0	21.00	20.83	20.88	20.97		



10.1.13 Conducted Power of NR n5

NR n5				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		165800	167300	168800
					829.0MHz	836.5MHz	844.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.00	23.80	21.63	21.56
	DFT_QPSK	24@0	LOW	23.00	22.90	22.92	20.75
	DFT_QPSK	12@6	LOW	24.00	21.69	23.79	23.85
	DFT_QPSK	1@1	LOW	24.00	22.00	21.68	23.65
	DFT_QPSK	1@22	LOW	24.00	21.98	23.92	21.48
	DFT_QAM16	1@1	LOW	23.50	23.14	22.68	23.34
	DFT_QAM64	1@1	LOW	22.50	21.48	21.89	22.31
	DFT_QAM256	1@1	LOW	20.00	19.59	19.62	19.33
	CP_QPSK	1@1	LOW	23.00	22.26	22.41	22.99
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	166300	167300	168300
					831.5MHz	836.5MHz	841.5MHz
15MHz	DFT_BPSK	1@1	LOW	24.00	23.75	21.69	23.78
	DFT_QPSK	36@0	LOW	23.00	20.79	20.79	22.97
	DFT_QPSK	18@9	LOW	24.00	23.87	23.84	23.88
	DFT_QPSK	1@1	LOW	24.00	23.64	21.83	21.60
	DFT_QPSK	1@36	LOW	24.00	23.61	23.94	23.82
	DFT_QAM16	1@1	LOW	23.00	22.68	22.85	22.85
	DFT_QAM64	1@1	LOW	22.00	19.27	21.67	19.74
	DFT_QAM256	1@1	LOW	20.00	19.61	19.29	19.42
	CP_QPSK	1@1	LOW	23.00	22.35	22.61	22.50
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	166800	167300	167800
					834.0MHz	836.5MHz	839.0MHz
20MHz	DFT_BPSK	1@1	LOW	24.00	21.60	23.84	23.83
	DFT_QPSK	50@0	LOW	23.00	20.80	22.93	22.95
	DFT_QPSK	25@12	LOW	24.00	23.92	21.78	21.76
	DFT_QPSK	1@1	LOW	24.00	21.79	24.00	23.73
	DFT_QPSK	1@49	LOW	24.50	23.81	24.02	23.71
	DFT_QAM16	1@1	LOW	23.00	22.85	22.77	22.82
	DFT_QAM64	1@1	LOW	23.00	21.46	22.79	21.73
	DFT_QAM256	1@1	LOW	20.50	20.12	19.70	19.51
	CP_QPSK	1@1	LOW	22.50	22.48	22.24	21.52



10.1.14 Conducted Power of NR n7

NR n7				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		501000 2505.0MHz	507000 2535.0MHz	513000 2565.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.00	23.70	23.59	20.13
	DFT_QPSK	24@0	LOW	23.00	22.74	22.64	19.92
	DFT_QPSK	12@6	LOW	23.50	22.81	23.36	22.77
	DFT_QPSK	1@1	LOW	23.50	23.49	20.68	20.32
	DFT_QPSK	1@22	LOW	23.50	23.27	23.24	22.72
	DFT_QAM16	1@1	LOW	23.00	22.80	22.50	22.65
	DFT_QAM64	1@1	LOW	21.50	21.09	20.45	21.06
	DFT_QAM256	1@1	LOW	19.50	19.24	19.11	19.40
	CP_QPSK	1@1	LOW	22.50	19.31	22.40	22.47
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	501500 2507.5MHz	507000 2535.0MHz	512000 2562.5MHz
15MHz	DFT_BPSK	1@1	LOW	24.00	22.81	23.58	23.72
	DFT_QPSK	36@0	LOW	23.00	19.95	22.66	22.95
	DFT_QPSK	18@9	LOW	23.50	23.48	20.59	23.21
	DFT_QPSK	1@1	LOW	23.50	22.94	23.49	23.16
	DFT_QPSK	1@36	LOW	23.50	23.06	23.23	22.62
	DFT_QAM16	1@1	LOW	23.00	22.92	22.41	20.03
	DFT_QAM64	1@1	LOW	22.00	21.18	21.77	20.98
	DFT_QAM256	1@1	LOW	20.00	19.57	18.85	19.27
	CP_QPSK	1@1	LOW	22.50	22.48	22.12	22.22
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	502000 2510.0MHz	507000 2535.0MHz	512000 2560.0MHz
20MHz	DFT_BPSK	1@1	LOW	23.50	23.31	23.37	23.49
	DFT_QPSK	50@0	LOW	23.00	22.71	22.62	22.78
	DFT_QPSK	25@12	LOW	21.00	20.51	20.33	20.44
	DFT_QPSK	1@1	LOW	23.50	23.02	23.22	23.03
	DFT_QPSK	1@49	LOW	22.50	22.33	21.26	19.67
	DFT_QAM16	1@1	LOW	23.00	22.73	22.74	22.90
	DFT_QAM64	1@1	LOW	22.00	21.73	21.27	21.12
	DFT_QAM256	1@1	LOW	19.50	19.30	18.76	19.46
	CP_QPSK	1@1	LOW	23.00	22.00	22.71	22.33



10.1.15 Conducted Power of NR n12

NR n12				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		140800 704.0MHz	141500 707.5MHz	142200 711.0MHz
5MHz	DFT_BPSK	1@1	LOW	24.50	23.86	23.96	24.25
	DFT_QPSK	25@0	LOW	23.50	23.09	23.12	23.12
	DFT_QPSK	12@6	LOW	24.50	24.14	24.14	22.09
	DFT_QPSK	1@1	LOW	25.00	24.52	22.06	24.65
	DFT_QPSK	1@23	LOW	25.00	24.54	24.03	24.59
	DFT_QAM16	1@1	LOW	23.50	23.01	23.14	22.48
	DFT_QAM64	1@1	LOW	22.50	22.05	21.65	22.26
	DFT_QAM256	1@1	LOW	20.50	19.56	20.30	19.61
10MHz	CP_QPSK	1@1	LOW	23.00	22.71	20.74	22.75
	DFT_BPSK	1@1	LOW	24.50	24.14	24.06	24.22
	DFT_QPSK	50@0	LOW	23.50	21.13	23.09	23.09
	DFT_QPSK	25@12	LOW	24.50	24.14	24.09	22.11
	DFT_QPSK	1@1	LOW	24.50	24.10	24.15	24.30
	DFT_QPSK	1@50	LOW	24.50	24.15	24.09	22.16
	DFT_QAM16	1@1	LOW	23.50	23.15	22.66	23.49
	DFT_QAM64	1@1	LOW	22.50	21.18	22.02	21.93
15MHz	DFT_QAM256	1@1	LOW	20.00	19.67	19.36	19.58
	CP_QPSK	1@1	LOW	23.50	22.20	20.43	23.10
	DFT_BPSK	1@1	LOW	24.50	24.50	24.50	24.50
	DFT_QPSK	75@0	LOW	23.50	23.50	23.50	23.50
	DFT_QPSK	36@18	LOW	24.50	24.50	24.50	24.50
	DFT_QPSK	1@1	LOW	24.50	24.50	24.50	24.50
	DFT_QPSK	1@77	LOW	24.50	24.50	24.50	24.50
	DFT_QAM16	1@1	LOW	23.50	23.50	23.50	23.50
15MHz	DFT_QAM64	1@1	LOW	22.50	22.50	22.50	22.50
	DFT_QAM256	1@1	LOW	20.00	20.00	20.00	20.00
	CP_QPSK	1@1	LOW	23.50	23.50	23.50	23.50
	DFT_BPSK	1@1	LOW	24.50	24.50	24.50	24.50
	DFT_QPSK	75@0	LOW	23.50	23.50	23.50	23.50
	DFT_QPSK	36@18	LOW	24.50	24.50	24.50	24.50
	DFT_QPSK	1@1	LOW	24.50	24.50	24.50	24.50
	DFT_QPSK	1@77	LOW	24.50	24.50	24.50	24.50



10.1.16 Conducted Power of NR n38

NR n38				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		515000 2575.0MHz	519000 2595.0MHz	523000 2615.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.00	23.48	23.68	23.62
	DFT_QPSK	24@0	LOW	23.00	22.70	22.62	20.95
	DFT_QPSK	12@6	LOW	24.00	23.63	23.55	23.72
	DFT_QPSK	1@1	LOW	24.00	20.66	23.78	23.72
	DFT_QPSK	1@22	LOW	24.00	23.52	23.84	20.76
	DFT_QAM16	1@1	LOW	23.00	22.27	22.49	22.82
	DFT_QAM64	1@1	LOW	21.50	21.06	19.83	20.89
	DFT_QAM256	1@1	LOW	19.50	19.47	18.79	19.25
15MHz	CP_QPSK	1@1	LOW	23.00	22.65	22.32	21.73
	DFT_BPSK	1@1	LOW	24.00	23.50	23.77	23.52
	DFT_QPSK	36@0	LOW	23.00	22.47	22.56	22.58
	DFT_QPSK	18@9	LOW	24.00	23.42	20.62	23.55
	DFT_QPSK	1@1	LOW	24.00	23.46	23.75	20.82
	DFT_QPSK	1@36	LOW	24.00	23.52	23.72	23.65
	DFT_QAM16	1@1	LOW	23.00	22.02	20.06	22.56
	DFT_QAM64	1@1	LOW	21.50	21.09	21.44	20.95
20MHz	DFT_QAM256	1@1	LOW	19.50	18.84	19.05	18.99
	CP_QPSK	1@1	LOW	23.00	21.57	22.75	22.46
	DFT_BPSK	1@1	LOW	24.00	20.57	23.53	23.40
	DFT_QPSK	50@0	LOW	23.00	19.64	22.52	22.55
	DFT_QPSK	25@12	LOW	24.00	23.51	23.45	23.59
	DFT_QPSK	1@1	LOW	24.00	23.34	23.62	23.40
	DFT_QPSK	1@49	LOW	24.00	20.52	23.60	22.64
	DFT_QAM16	1@1	LOW	22.50	22.21	22.30	22.09
20MHz	DFT_QAM64	1@1	LOW	21.50	21.07	20.29	20.81
	DFT_QAM256	1@1	LOW	19.50	15.86	18.91	19.09
	CP_QPSK	1@1	LOW	22.00	21.62	21.96	21.85



10.1.17 Conducted Power of NR n41

NR n41				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		501204	518598	535998
					2506.0MHz	2593.0MHz	2680.0MHz
20MHz	DFT_BPSK	1@1	LOW	23.50	23.26	23.31	22.54
	DFT_QPSK	50@0	LOW	22.50	22.35	22.45	22.11
	DFT_QPSK	25@12	LOW	23.50	23.30	23.45	22.36
	DFT_QPSK	1@1	LOW	23.50	23.13	23.39	19.43
	DFT_QPSK	1@49	LOW	23.50	23.05	23.41	22.25
	DFT_QAM16	1@1	LOW	23.00	22.02	22.65	21.98
	DFT_QAM64	1@1	LOW	21.50	21.22	21.01	20.43
	DFT_QAM256	1@1	LOW	17.50	15.95	15.90	17.19
	CP_QPSK	1@1	LOW	22.50	21.47	22.30	21.47
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	504204	518598	532998
					2521.0MHz	2593.0MHz	2665.0MHz
25MHz	DFT_BPSK	1@1	LOW	23.50	23.26	23.14	23.17
	DFT_QPSK	128@0	LOW	22.50	22.25	22.47	22.26
	DFT_QPSK	64@32	LOW	23.50	23.27	22.69	23.19
	DFT_QPSK	1@1	LOW	23.50	23.30	23.35	23.17
	DFT_QPSK	1@131	LOW	23.50	23.24	23.45	22.54
	DFT_QAM16	1@1	LOW	22.50	22.10	21.39	22.02
	DFT_QAM64	1@1	LOW	21.00	20.91	20.74	20.51
	DFT_QAM256	1@1	LOW	19.50	18.61	18.55	19.04
	CP_QPSK	1@1	LOW	22.00	21.67	21.62	21.64
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	509202	518598	528000
					2546.0MHz	2593.0MHz	2640.0MHz
100MHz	DFT_BPSK	1@1	LOW	23.50	23.20	23.08	23.30
	DFT_QPSK	270@0	LOW	22.50	22.30	22.41	22.27
	DFT_QPSK	135@67	LOW	23.50	23.25	20.51	23.36
	DFT_QPSK	1@1	LOW	23.50	22.72	23.19	21.56
	DFT_QPSK	1@271	LOW	23.50	23.45	23.20	22.19
	DFT_QAM16	1@1	LOW	22.50	22.23	22.23	22.10
	DFT_QAM64	1@1	LOW	21.50	20.98	20.44	21.24
	DFT_QAM256	1@1	LOW	19.50	18.69	19.03	15.92
	CP_QPSK	1@1	LOW	22.00	21.77	21.34	21.61



10.1.18 Conducted Power of NR n66

NR n66				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		343000	349000	355000
					1715.0MHz	1745.0MHz	1775.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.00	23.28	23.80	23.53
	DFT_QPSK	24@0	LOW	23.00	22.56	22.73	22.55
	DFT_QPSK	12@6	LOW	23.50	23.48	20.95	20.80
	DFT_QPSK	1@1	LOW	24.50	23.41	24.10	23.58
	DFT_QPSK	1@22	LOW	24.00	23.43	21.47	23.61
	DFT_QAM16	1@1	LOW	23.00	22.56	22.66	20.12
	DFT_QAM64	1@1	LOW	22.00	20.44	21.70	20.77
	DFT_QAM256	1@1	LOW	20.00	19.78	19.20	19.00
	CP_QPSK	1@1	LOW	23.00	22.28	22.53	22.34
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	344000	349000	354000
					1720.0MHz	1745.0MHz	1770.0MHz
20MHz	DFT_BPSK	1@1	LOW	24.00	20.95	23.58	23.54
	DFT_QPSK	50@0	LOW	23.00	21.13	22.63	22.53
	DFT_QPSK	25@12	LOW	24.00	23.59	21.00	23.54
	DFT_QPSK	1@1	LOW	24.00	23.50	23.58	23.45
	DFT_QPSK	1@49	LOW	24.00	23.44	23.67	23.30
	DFT_QAM16	1@1	LOW	23.00	22.64	20.32	20.02
	DFT_QAM64	1@1	LOW	22.00	21.56	21.51	21.00
	DFT_QAM256	1@1	LOW	19.50	19.24	18.80	19.31
	CP_QPSK	1@1	LOW	23.00	21.95	22.63	22.11
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	346000	349000	349000
					1730.0MHz	1745.0MHz	1760.0MHz
40MHz	DFT_BPSK	1@1	LOW	24.00	21.09	23.65	21.02
	DFT_QPSK	100@0	LOW	23.00	22.71	22.67	22.72
	DFT_QPSK	50@25	LOW	24.00	23.72	21.11	23.77
	DFT_QPSK	1@1	LOW	24.00	21.07	23.78	21.02
	DFT_QPSK	1@104	LOW	24.00	23.60	21.07	23.54
	DFT_QAM16	1@1	LOW	23.00	22.43	22.64	22.66
	DFT_QAM64	1@1	LOW	21.50	21.36	21.18	20.37
	DFT_QAM256	1@1	LOW	20.00	18.87	18.85	19.56
	CP_QPSK	1@1	LOW	22.50	19.55	22.27	22.21



10.1.19 Conducted Power of NR n77

NR n77				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		630334 3455.0MHz	633334 3500.0MHz	636332 3545.0MHz
10MHz	DFT_BPSK	1@1	LOW	26.00	25.78	25.66	25.95
	DFT_QPSK	24@0	LOW	26.00	25.38	25.53	25.31
	DFT_QPSK	12@6	LOW	26.00	25.76	25.85	25.86
	DFT_QPSK	1@1	LOW	26.00	25.61	25.68	22.75
	DFT_QPSK	1@22	LOW	26.00	25.55	25.67	25.85
	DFT_QAM16	1@1	LOW	26.00	25.73	25.53	25.62
	DFT_QAM64	1@1	LOW	24.50	23.92	24.40	24.01
	DFT_QAM256	1@1	LOW	22.50	21.66	22.14	21.78
	CP_QPSK	1@1	LOW	25.50	25.05	25.02	24.81
					631668 3475.0MHz	633334 3500.0MHz	635000 3525.0MHz
50MHz	DFT_BPSK	1@1	LOW	26.00	25.67	25.79	25.61
	DFT_QPSK	128@0	LOW	26.00	25.51	25.69	25.55
	DFT_QPSK	64@32	LOW	26.00	22.95	25.83	25.68
	DFT_QPSK	1@1	LOW	26.00	25.55	22.62	25.61
	DFT_QPSK	1@131	LOW	26.00	25.81	25.59	22.39
	DFT_QAM16	1@1	LOW	25.50	22.30	25.42	25.37
	DFT_QAM64	1@1	LOW	24.50	23.75	21.09	24.31
	DFT_QAM256	1@1	LOW	22.50	22.07	19.03	21.97
	CP_QPSK	1@1	LOW	25.50	24.80	22.00	25.06



10.1.20 Conducted Power of NR n77

NR n77				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		647000	656000	665000
					3705.0MHz	3890.0MHz	3975.0MHz
10MHz	DFT_BPSK	1@1	LOW	26.50	25.77	26.17	22.75
	DFT_QPSK	24@0	LOW	25.50	25.20	25.16	21.90
	DFT_QPSK	12@6	LOW	26.50	25.95	26.21	25.93
	DFT_QPSK	1@1	LOW	26.50	22.73	26.23	25.58
	DFT_QPSK	1@22	LOW	26.50	25.85	26.27	25.64
	DFT_QAM16	1@1	LOW	25.50	25.18	25.38	24.80
	DFT_QAM64	1@1	LOW	24.50	24.04	23.78	23.67
	DFT_QAM256	1@1	LOW	22.00	21.75	21.57	21.49
	CP_QPSK	1@1	LOW	25.00	24.71	24.56	24.44
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	648334	656000	663666
					3725.0MHz	3890.0MHz	3955.0MHz
50MHz	DFT_BPSK	1@1	LOW	26.50	25.97	26.06	25.59
	DFT_QPSK	128@0	LOW	25.50	25.22	25.09	24.87
	DFT_QPSK	64@32	LOW	26.50	26.21	26.15	25.80
	DFT_QPSK	1@1	LOW	26.00	25.84	25.41	22.84
	DFT_QPSK	1@131	LOW	26.50	26.23	26.14	26.20
	DFT_QAM16	1@1	LOW	25.00	24.88	24.91	24.68
	DFT_QAM64	1@1	LOW	24.00	23.68	23.86	23.16
	DFT_QAM256	1@1	LOW	22.00	21.59	21.48	21.45
	CP_QPSK	1@1	LOW	25.00	24.50	24.78	24.08
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	650000	656000	662000
					3750.0MHz	3890.0MHz	3930.0MHz
100MHz	DFT_BPSK	1@1	LOW	26.00	25.96	25.84	25.73
	DFT_QPSK	270@0	LOW	25.50	25.03	25.01	24.77
	DFT_QPSK	135@67	LOW	26.50	26.13	22.95	25.67
	DFT_QPSK	1@1	LOW	26.50	22.97	26.14	25.79
	DFT_QPSK	1@271	LOW	26.50	26.27	26.03	25.88
	DFT_QAM16	1@1	LOW	25.50	22.04	25.02	24.80
	DFT_QAM64	1@1	LOW	24.00	23.83	23.34	23.69
	DFT_QAM256	1@1	LOW	22.00	21.39	21.55	21.31
	CP_QPSK	1@1	LOW	24.50	21.38	24.31	24.19



10.1.21 Conducted Power of NR n78

NR n78				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		630334 3455.0MHz	633334 3500.0MHz	636332 3545.0MHz
10MHz	DFT_BPSK	1@1	LOW	25.50	25.04	22.29	21.94
	DFT_QPSK	24@0	LOW	25.50	25.11	22.18	22.06
	DFT_QPSK	12@6	LOW	25.50	22.09	25.34	25.26
	DFT_QPSK	1@1	LOW	25.50	25.03	25.40	24.83
	DFT_QPSK	1@22	LOW	25.50	25.03	22.32	24.84
	DFT_QAM16	1@1	LOW	25.50	21.75	25.50	21.89
	DFT_QAM64	1@1	LOW	24.50	24.41	24.35	24.20
	DFT_QAM256	1@1	LOW	22.50	22.16	22.19	21.98
	CP_QPSK	1@1	LOW	25.50	24.93	25.16	24.95
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	631668 3475.0MHz	633334 3500.0MHz	635000 3525.0MHz
50MHz	DFT_BPSK	1@1	LOW	25.50	25.35	25.44	25.28
	DFT_QPSK	128@0	LOW	26.00	25.59	25.50	25.35
	DFT_QPSK	64@32	LOW	26.00	25.65	25.50	25.41
	DFT_QPSK	1@1	LOW	25.50	25.23	22.37	25.24
	DFT_QPSK	1@131	LOW	25.50	25.40	25.33	25.15
	DFT_QAM16	1@1	LOW	25.50	25.01	25.24	25.27
	DFT_QAM64	1@1	LOW	21.50	20.93	21.41	20.89
	DFT_QAM256	1@1	LOW	22.50	21.91	22.14	22.25
	CP_QPSK	1@1	LOW	25.50	24.85	25.23	24.92



10.1.22 Conducted Power of NR n78

NR n78				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		647000 3705.0MHz	650000 3750.0MHz	653000 3795.0MHz
10MHz	DFT_BPSK	1@1	LOW	26.50	26.23	26.00	25.74
	DFT_QPSK	24@0	LOW	25.50	25.06	24.88	24.83
	DFT_QPSK	12@6	LOW	26.00	24.30	25.88	22.82
	DFT_QPSK	1@1	LOW	26.50	26.16	23.11	26.08
	DFT_QPSK	1@22	LOW	26.50	26.22	26.09	26.16
	DFT_QAM16	1@1	LOW	25.50	25.26	24.93	24.58
	DFT_QAM64	1@1	LOW	24.00	23.54	23.89	23.31
	DFT_QAM256	1@1	LOW	22.00	21.71	21.50	21.53
50MHz	CP_QPSK	1@1	LOW	25.00	21.78	24.76	24.39
					648334 3725.0MHz	650000 3750.0MHz	651666 3775.0MHz
	DFT_BPSK	1@1	LOW	26.00	25.92	25.81	25.75
	DFT_QPSK	128@0	LOW	25.00	24.96	24.89	24.91
	DFT_QPSK	64@32	LOW	26.50	26.02	25.89	25.95
	DFT_QPSK	1@1	LOW	26.50	26.03	25.76	25.77
	DFT_QPSK	1@131	LOW	26.00	24.17	25.84	25.85
	DFT_QAM16	1@1	LOW	25.00	25.00	23.28	22.95
	DFT_QAM64	1@1	LOW	24.00	23.78	23.35	23.62
	DFT_QAM256	1@1	LOW	21.50	21.40	21.50	21.31
	CP_QPSK	1@1	LOW	25.00	22.61	24.54	23.43

**10.1.23 Conducted Power of Wi-Fi 2.4G**

Mode	802.11b		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	17.76	17.78	18.30
Mode	802.11g		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	18.14	18.77	18.44
Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	18.34	17.66	17.92
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	7(2422)	6(2437)	9(2452)
Average Power(dBm)	16.66	16.68	16.76



10.1.24 Conducted Power of Wi-Fi 5G

Band	Mode	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-1 (5150-5250)	802.11a	5180	17.00±1.0dBm	16.98	Yes
		5240	17.00±1.0dBm	16.92	No
	802.11n-HT20	5180	16.00±1.0dBm	15.85	No
		5240	16.00±1.0dBm	15.62	No
	802.11n-HT40	5190	16.00±1.0dBm	15.51	No
		5230	16.00±1.0dBm	15.59	No
	802.11ac-VHT20	5180	16.00±1.0dBm	15.58	No
		5240	15.50±1.0dBm	15.49	No
	802.11ac-VHT40	5190	15.00±1.0dBm	14.73	No
		5230	15.00±1.0dBm	14.64	No
	802.11ac-VHT80	5210	14.00±1.0dBm	13.65	No
Band	Mode	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-2a (5250-5350)	802.11a	5260	17.00±1.0dBm	16.92	No
		5320	17.00±1.0dBm	16.93	Yes
	802.11n-HT20	5260	15.50±1.0dBm	15.42	No
		5320	15.50±1.0dBm	15.38	No
	802.11n-HT40	5270	16.00±1.0dBm	15.59	No
		5310	15.50±1.0dBm	15.48	No
	802.11ac-VHT20	5260	15.50±1.0dBm	15.45	No
		5320	15.50±1.0dBm	15.42	No
	802.11ac-VHT40	5270	15.00±1.0dBm	14.60	No
		5310	15.00±1.0dBm	14.52	No
	802.11ac-VHT80	5290	14.00±1.0dBm	13.65	No
Band	Mode	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-2c (5470-5725)	802.11a	5500	16.00±1.0dBm	15.91	No
		5700	17.00±1.0dBm	16.52	Yes
	802.11n-HT20	5500	15.00±1.0dBm	14.86	No
		5700	15.50±1.0dBm	15.20	No
	802.11n-HT40	5510	15.00±1.0dBm	14.60	No
		5670	15.50±1.0dBm	15.02	No
	802.11ac-VHT20	5500	15.00±1.0dBm	14.83	No
		5700	15.50±1.0dBm	15.32	No
	802.11ac-VHT40	5510	14.00±1.0dBm	13.57	No
		5670	14.00±1.0dBm	13.92	No
	802.11ac-VHT80	5530	13.00±1.0dBm	12.90	No
		5610	13.50±1.0dBm	13.10	No
Band	Mode	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-3 (5725-5825)	802.11a	5745	17.50±1.0dBm	17.03	Yes
		5825	17.00±1.0dBm	16.98	No
	802.11n-HT20	5745	16.00±1.0dBm	15.67	No
		5825	16.00±1.0dBm	15.76	No
	802.11n-HT40	5755	16.00±1.0dBm	15.62	No
		5795	16.00±1.0dBm	15.81	No
	802.11ac-VHT20	5745	16.00±1.0dBm	15.66	No
		5825	16.00±1.0dBm	15.61	No
	802.11ac-VHT40	5755	15.00±1.0dBm	14.69	No
		5795	15.00±1.0dBm	14.73	No
	802.11ac-VHT80	5775	14.00±1.0dBm	13.89	No



10.1.25 Conducted Power of BT

EDR	Mode	Maximum Tune-up(dBm)	Average Conducted Output Power (dBm)			
			0	39	78	
			2402MHz	2441MHz	2480MHz	
	GFSK	9.00	7.70	8.99	6.92	
	$\pi/4$ QPSK	8.50	7.07	8.25	6.31	
8DPSK	8.50	7.07	8.38	6.30		
BLE	Mode	Maximum Tune-up(dBm)	Average Conducted Output Power (dBm)			
			0	20	39	
			2402MHz	2440MHz	2480MHz	
	1Mbps	-1.0	-1.57	-0.27	-0.71	
	2Mbps	-1.0	-1.43	-0.30	-0.57	
Channel	Frequency (GHz)	Max. Tune-up Power (dBm)	Max. Power (mW)	Test distance (mm)	Exclusion thresholds for 1-g SAR(mW)	RF exposure evaluation required
39	2.402	9.0	7.94	0	10	Yes
20	2.440	-1.0	0.79	0	10	No

Note

- Per KDB 447498 D04 Interim General RF Exposure Guidance v01, the 1-g SAR test exclusion thresholds for 300 MHz to 6 GHz at test separation distances ≤ 40 cm are determined by:

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \cdot d} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

*When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine estimated SAR.

- Per KDB 248227 D01 v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
- The output power of all data rate were prescan, just the worst case (the lowest data rate) of all mode were shown in report.





10.1.26 Tune-up power tolerance

Band	Tune-up power tolerance(dBm)		
GSM850	GSM/GPRS (GMSK)	GSM	Max output power =32.50±1.0dBm
		1TXslots	Max output power =30.50 ±1.0dBm
		2TXslots	Max output power =30.50 ±1.0dBm
		3TXslots	Max output power =30.50 ±1.0dBm
	EGPRS (8-PSK)	4TXslots	Max output power =30.50 ±1.0dBm
		1TXslots	Max output power =28.00 ±1.0dBm
		2TXslots	Max output power =26.50 ±1.0dBm
		3TXslots	Max output power =27.00 ±1.0dBm
GSM1900	GSM/GPRS (GMSK)	4TXslots	Max output power =27.50 ±1.0dBm
		GSM	Max output power =30.00±1.0dBm
		1TXslots	Max output power =27.00 ±1.0dBm
		2TXslots	Max output power =27.00 ±1.0dBm
	EGPRS (8-PSK)	3TXslots	Max output power =27.00 ±1.0dBm
		4TXslots	Max output power =27.50 ±1.0dBm
		1TXslots	Max output power =25.00 ±1.0dBm
		2TXslots	Max output power =25.50 ±1.0dBm
WCDMA 2		3TXslots	Max output power =25.00 ±1.0dBm
WCDMA 4		4TXslots	Max output power =25.00 ±1.0dBm
WCDMA 5			Max output power =23.50±1.0dBm
LTE B2			Max output power =23.00±1.0dBm
LTE B4			Max output power =22.50±1.0dBm
LTE B5			Max output power =23.50±1.0dBm
LTE B7			Max output power =23.50±1.0dBm
LTE B12			Max output power =23.50±1.0dBm
LTE B17			Max output power =23.50±1.0dBm
LTE B38			Max output power =23.00±1.0dBm
LTE B41			Max output power =23.00±1.0dBm
LTE B42			Max output power =21.00±1.0dBm
LTE B66			Max output power =23.50±1.0dBm
NR n5			Max output power =24.50±1.0dBm
NR n7			Max output power =24.00±1.0dBm
NR n12			Max output power =25.00±1.0dBm
NR n38			Max output power =24.00±1.0dBm
NR n41			Max output power =23.50±1.0dBm
NR n66			Max output power =24.50±1.0dBm
NR n77			Max output power =26.00±1.0dBm
NR n77			Max output power =26.50±1.0dBm
NR n78			Max output power =26.00±1.0dBm
NR n78			Max output power =26.50±1.0dBm



Band	Tune-up power tolerance(dBm)		
WIFI	2.4GWIFI	802.11b	Max output power =18.50±1.0dBm
		802.11g	Max output power =18.50±1.0dBm
		802.11n (HT20)	Max output power =18.50±1.0dBm
		802.11n (HT40)	Max output power =17.00±1.0dBm
	U-NII-1(5150-5250)	802.11a	Max output power =17.00±1.0dBm
	U-NII-2a(5250-5350)	802.11a	Max output power =17.00±1.0dBm
	U-NII-2c(5470-5725)	802.11a	Max output power =17.00±1.0dBm
	U-NII-3(5725-5825)	802.11a	Max output power =17.50±1.0dBm
BT	GFSK		Max output power =9.00±1.0dBm
	π/4QPSK		Max output power =8.50±1.0dBm
	8DPSK		Max output power =8.50±1.0dBm
BLE	1Mbps		Max output power =-1.00±1.0dBm
	2Mbps		Max output power =-1.00±1.0dBm



10.2 SAR test results

Notes:

1) Per KDB447498 D01v05 r02, the SAR test shall be performed at the high, middle and low frequency channels of each operating mode. If the scaled SAR measured at mid-band channel for each test configuration is at least 3.0 dB lower than the SAR limit ($< 0.8 \text{ W/kg}$), testing at the high and low channels is optional.

2) Per KDB447498 D01v05r02, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is: $\leq 0.8 \text{ W/kg}$ or 2.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\leq 100 \text{ MHz}$. When the maximum output power variation across the required test channels is $> \frac{1}{2} \text{ dB}$, instead of the middle channel, the highest output power channel must be used.

3) Per KDB447498 D01v05r02, All measurement SAR result is scaled-up to account for tune-up tolerance is compliant.

4) Per KDB648474 D04v01r02, body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn with headset SAR.

5) Per KDB248227 D01v01r02, the procedures required to establish specific device operating configurations for testing the SAR of 802.11 a/b/g transmitters.

(1) For Headsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is $\leq 0.4 \text{ W/kg}$, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is $\leq 0.8 \text{ W/kg}$ or all test positions are measured.

(2) For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is $\leq 0.8 \text{ W/kg}$, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is $> 1.2 \text{ W/kg}$, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is $\leq 1.2 \text{ W/kg}$.





For Question,
Please Contact with WSCT
www.wsct-cert.com

(3) For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is ≤ 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is ≤ 1.2 W/kg.

6) Per KDB865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/Kg; if the deviation among the repeated measurement is $\leq 20\%$, and the measured SAR < 1.45 W/Kg, only one repeated measurement is required.

7) Per KDB865664 D02v01r01, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is > 1.5 W/kg, or > 7.0 W/kg for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing (Refer to appendix B for details).

8) Per KDB941225 D06v01r01, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.

9) Per KDB 941225 D01, 3G SAR Measurement Procedures, The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

10) Per KDB 941225 D05, SAR Evaluation Considerations for LTE Devices

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

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





(2) QPSK with 100% RB allocation

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

tested.

(3) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> 1/2$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

(4) Other channel bandwidth

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



10.3 Test Result

10.3.1 Results overview of GSM

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
GSM 850 (voice)	Left Cheek	128	824.2	1.390	0.132	100	1.00	32.03	32.50	1.114	0.147
	Left Tilt	128	824.2	-0.760	0.156	100	1.00	32.03	32.50	1.114	0.174
	Right Cheek	128	824.2	-4.430	0.161	100	1.00	32.03	32.50	1.114	0.179
	Right Tilt	128	824.2	-3.570	0.296	100	1.00	32.03	32.50	1.114	0.330
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
GPRS 850+4slots	Front	128	824.2	-2.500	0.035	100	1.00	32.03	32.50	1.114	0.039
	Back	128	824.2	-4.540	0.045	100	1.00	32.03	32.50	1.114	0.050
	Left	128	824.2	-1.660	0.026	100	1.00	32.03	32.50	1.114	0.029
	Top	128	824.2	-0.500	0.019	100	1.00	32.03	32.50	1.114	0.021

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
GSM 1900 (voice)	Left Cheek	512	1850.2	1.950	0.171	100	1.00	29.76	30.00	1.057	0.181
	Left Tilt	512	1850.2	-3.620	0.276	100	1.00	29.76	30.00	1.057	0.292
	Right Cheek	512	1850.2	-4.070	0.209	100	1.00	29.76	30.00	1.057	0.221
	Right Tilt	512	1850.2	0.150	0.408	100	1.00	29.76	30.00	1.057	0.431
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
GPRS 1900+4slots	Front	512	1850.2	-1.850	0.062	100	1.00	29.76	30.00	1.057	0.066
	Back	512	1850.2	-3.210	0.118	100	1.00	29.76	30.00	1.057	0.125
	Left	512	1850.2	-3.220	0.057	100	1.00	29.76	30.00	1.057	0.060
	Top	512	1850.2	1.770	0.035	100	1.00	29.76	30.00	1.057	0.037



10.3.2 Results overview of WCDMA

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 2 (RMC*)	Left Cheek	9262	1852.4	-1.000	0.226	100	1.00	22.46	22.50	1.009	0.228
	Left Tilt	9262	1852.4	-1.430	0.195	100	1.00	22.46	22.50	1.009	0.197
	Right Cheek	9262	1852.4	-2.040	0.284	100	1.00	22.46	22.50	1.009	0.287
	Right Tilt	9262	1852.4	-1.330	0.170	100	1.00	22.46	22.50	1.009	0.172
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 2 (RMC*)	Front	9262	1852.4	3.690	0.073	100	1.00	22.46	22.50	1.009	0.074
	Back	9262	1852.4	0.660	0.185	100	1.00	22.46	22.50	1.009	0.187
	Left	9262	1852.4	-0.370	0.062	100	1.00	22.46	22.50	1.009	0.063
	Top	9262	1852.4	-3.420	0.037	100	1.00	22.46	22.50	1.009	0.037

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 4 (RMC*)	Left Cheek	1413	1732.6	-3.720	0.295	100	1.00	23.47	23.50	1.007	0.297
	Left Tilt	1413	1732.6	-2.950	0.388	100	1.00	23.47	23.50	1.007	0.391
	Right Cheek	1413	1732.6	0.970	0.346	100	1.00	23.47	23.50	1.007	0.348
	Right Tilt	1413	1732.6	-4.110	0.644	100	1.00	23.47	23.50	1.007	0.648
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 4 (RMC*)	Front	1413	1732.6	-3.070	0.082	100	1.00	23.47	23.50	1.007	0.083
	Back	1413	1732.6	-2.890	0.124	100	1.00	23.47	23.50	1.007	0.125
	Left	1413	1732.6	1.120	0.072	100	1.00	23.47	23.50	1.007	0.072
	Top	1413	1732.6	-1.350	0.049	100	1.00	23.47	23.50	1.007	0.049

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 5 (RMC*)	Left Cheek	4183	836.6	-4.210	0.169	100	1.00	22.73	23.00	1.064	0.180
	Left Tilt	4183	836.6	-4.320	0.284	100	1.00	22.73	23.00	1.064	0.302
	Right Cheek	4183	836.6	-1.190	0.243	100	1.00	22.73	23.00	1.064	0.259
	Right Tilt	4183	836.6	-0.760	0.553	100	1.00	22.73	23.00	1.064	0.588
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 5 (RMC*)	Front	4183	836.6	1.740	0.078	100	1.00	22.73	23.00	1.064	0.083
	Back	4183	836.6	-3.330	0.111	100	1.00	22.73	23.00	1.064	0.118
	Left	4183	836.6	-2.440	0.033	100	1.00	22.73	23.00	1.064	0.035
	Top	4183	836.6	-3.960	0.023	100	1.00	22.73	23.00	1.064	0.024



10.3.3 Results overview of LTE

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 2 (BW: 20MHz)	1RB	Left Cheek	19100	1900.0	-0.160	0.175	100	1.00	22.12	22.50	1.091	0.191
		Left Tilt	19100	1900.0	2.700	0.060	100	1.00	22.12	22.50	1.091	0.065
		Right Cheek	19100	1900.0	-3.270	0.197	100	1.00	22.12	22.50	1.091	0.215
		Right Tilt	19100	1900.0	-3.020	0.112	100	1.00	22.12	22.50	1.091	0.122
	50%RB	Left Cheek	18700	1860.0	-3.980	0.132	100	1.00	22.12	22.50	1.091	0.144
		Left Tilt	18700	1860.0	2.350	0.107	100	1.00	22.12	22.50	1.091	0.117
		Right Cheek	18700	1860.0	-2.030	0.088	100	1.00	22.12	22.50	1.091	0.096
		Right Tilt	18700	1860.0	-0.220	0.132	100	1.00	22.12	22.50	1.091	0.144
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 2 (BW: 20MHz)	1RB	Front	19100	1900.0	3.940	0.066	100	1.00	22.12	22.50	1.091	0.072
		Back	19100	1900.0	-1.920	0.136	100	1.00	22.12	22.50	1.091	0.148
		Left	19100	1900.0	-1.700	0.047	100	1.00	22.12	22.50	1.091	0.051
		Top	19100	1900.0	-4.190	0.040	100	1.00	22.12	22.50	1.091	0.044
	50%RB	Front	18700	1860.0	3.240	0.036	100	1.00	22.12	22.50	1.091	0.039
		Back	18700	1860.0	1.540	0.014	100	1.00	22.12	22.50	1.091	0.015
		Left	18700	1860.0	-0.420	0.087	100	1.00	22.12	22.50	1.091	0.095
		Top	18700	1860.0	-0.550	0.049	100	1.00	22.12	22.50	1.091	0.053



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 4 (BW: 20MHz)	1RB	Left Cheek	20300	1745.0	1.280	0.327	100	1.00	22.78	23.00	1.052	0.344
		Left Tilt	20300	1745.0	-2.250	0.412	100	1.00	22.78	23.00	1.052	0.433
		Right Cheek	20300	1745.0	-2.310	0.365	100	1.00	22.78	23.00	1.052	0.384
		Right Tilt	20300	1745.0	-3.940	0.724	100	1.00	22.78	23.00	1.052	0.762
	50%RB	Left Cheek	20050	1720.0	0.770	0.288	100	1.00	22.78	23.00	1.052	0.303
		Left Tilt	20050	1720.0	-0.410	0.275	100	1.00	22.78	23.00	1.052	0.289
		Right Cheek	20050	1720.0	4.770	0.249	100	1.00	22.78	23.00	1.052	0.262
		Right Tilt	20050	1720.0	-3.400	0.274	100	1.00	22.78	23.00	1.052	0.288
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 4 (BW: 20MHz)	1RB	Front	20300	1745.0	-3.200	0.088	100	1.00	22.78	23.00	1.052	0.093
		Back	20300	1745.0	-3.050	0.158	100	1.00	22.78	23.00	1.052	0.166
		Left	20300	1745.0	-0.480	0.072	100	1.00	22.78	23.00	1.052	0.076
		Top	20300	1745.0	-2.440	0.046	100	1.00	22.78	23.00	1.052	0.048
	50%RB	Front	20050	1720.0	0.270	0.055	100	1.00	22.78	23.00	1.052	0.058
		Back	20050	1720.0	2.780	0.013	100	1.00	22.78	23.00	1.052	0.014
		Left	20050	1720.0	-2.190	0.121	100	1.00	22.78	23.00	1.052	0.127
		Top	20050	1720.0	3.330	0.072	100	1.00	22.78	23.00	1.052	0.076



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 5 (BW: 10MHz)	1RB	Left Cheek	20600	844	1.750	0.334	100	1.00	23.15	23.50	1.084	0.362
		Left Tilt	20600	844	-0.910	0.378	100	1.00	23.15	23.50	1.084	0.410
		Right Cheek	20600	844	-1.120	0.315	100	1.00	23.15	23.50	1.084	0.341
		Right Tilt	20600	844	-3.440	0.541	100	1.00	23.15	23.50	1.084	0.586
	50%RB	Left Cheek	20450	829	-0.810	0.301	100	1.00	23.15	23.50	1.084	0.326
		Left Tilt	20450	829	0.060	0.282	100	1.00	23.15	23.50	1.084	0.306
		Right Cheek	20450	829	1.460	0.255	100	1.00	23.15	23.50	1.084	0.276
		Right Tilt	20450	829	2.080	0.291	100	1.00	23.15	23.50	1.084	0.315
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 5 (BW: 10MHz)	1RB	Front	20600	844	-2.050	0.107	100	1.00	23.15	23.50	1.084	0.116
		Back	20600	844	-4.110	0.113	100	1.00	23.15	23.50	1.084	0.122
		Left	20600	844	3.880	0.053	100	1.00	23.15	23.50	1.084	0.057
		Top	20600	844	2.890	0.039	100	1.00	23.15	23.50	1.084	0.042
	50%RB	Front	20450	829	1.090	0.042	100	1.00	23.15	23.50	1.084	0.046
		Back	20450	829	4.640	0.007	100	1.00	23.15	23.50	1.084	0.008
		Left	20450	829	2.690	0.072	100	1.00	23.15	23.50	1.084	0.078
		Top	20450	829	-2.560	0.038	100	1.00	23.15	23.50	1.084	0.041



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 7 (BW: 20MHz)	1RB	Left Cheek	21100	2535.00	-1.210	0.144	100	1.00	22.48	22.50	1.005	0.145
		Left Tilt	21100	2535.00	1.420	0.239	100	1.00	22.48	22.50	1.005	0.240
		Right Cheek	21100	2535.00	1.280	0.325	100	1.00	22.48	22.50	1.005	0.327
		Right Tilt	21100	2535.00	-2.270	0.648	100	1.00	22.48	22.50	1.005	0.651
	50%RB	Left Cheek	20850	2510.00	1.370	0.102	100	1.00	22.48	22.50	1.005	0.102
		Left Tilt	20850	2510.00	-1.390	0.085	100	1.00	22.48	22.50	1.005	0.085
		Right Cheek	20850	2510.00	0.570	0.065	100	1.00	22.48	22.50	1.005	0.065
		Right Tilt	20850	2510.00	-1.510	0.084	100	1.00	22.48	22.50	1.005	0.084
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 7 (BW: 20MHz)	1RB	Front	21100	2535.00	-1.880	0.090	100	1.00	22.48	22.50	1.005	0.090
		Back	21100	2535.00	-0.960	0.231	100	1.00	22.48	22.50	1.005	0.232
		Left	21100	2535.00	4.960	0.079	100	1.00	22.48	22.50	1.005	0.079
		Top	21100	2535.00	3.400	0.048	100	1.00	22.48	22.50	1.005	0.048
	50%RB	Front	20850	2510.00	-3.200	0.064	100	1.00	22.48	22.50	1.005	0.064
		Back	20850	2510.00	-1.080	0.015	100	1.00	22.48	22.50	1.005	0.015
		Left	20850	2510.00	3.580	0.189	100	1.00	22.48	22.50	1.005	0.190
		Top	20850	2510.00	2.290	0.153	100	1.00	22.48	22.50	1.005	0.154



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 12 (BW: 10MHz)	1RB	Left Cheek	23130	711.0	3.240	0.089	100	1.00	23.26	23.50	1.057	0.094
		Left Tilt	23130	711.0	-2.870	0.129	100	1.00	23.26	23.50	1.057	0.136
		Right Cheek	23130	711.0	-1.550	0.096	100	1.00	23.26	23.50	1.057	0.101
		Right Tilt	23130	711.0	-0.910	0.190	100	1.00	23.26	23.50	1.057	0.201
	50%RB	Left Cheek	23060	704.0	-2.360	0.052	100	1.00	23.26	23.50	1.057	0.055
		Left Tilt	23060	704.0	3.940	0.029	100	1.00	23.26	23.50	1.057	0.031
		Right Cheek	23060	704.0	0.160	0.034	100	1.00	23.26	23.50	1.057	0.036
		Right Tilt	23060	704.0	-2.840	0.038	100	1.00	23.26	23.50	1.057	0.040
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 12 (BW: 10MHz)	1RB	Front	23130	711.0	-0.250	0.047	100	1.00	23.26	23.50	1.057	0.050
		Back	23130	711.0	-3.810	0.054	100	1.00	23.26	23.50	1.057	0.057
		Left	23130	711.0	1.080	0.039	100	1.00	23.26	23.50	1.057	0.041
		Top	23130	711.0	-4.730	0.030	100	1.00	23.26	23.50	1.057	0.032
	50%RB	Front	23060	704.0	-1.930	0.033	100	1.00	23.26	23.50	1.057	0.035
		Back	23060	704.0	-1.620	0.012	100	1.00	23.26	23.50	1.057	0.013
		Left	23060	704.0	2.820	0.030	100	1.00	23.26	23.50	1.057	0.032
		Top	23060	704.0	2.600	0.019	100	1.00	23.26	23.50	1.057	0.020



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 17 (BW: 10MHz)	1RB	Left Cheek	23800	711.00	0.020	0.086	100	1.00	23.23	23.50	1.064	0.092
		Left Tilt	23800	711.00	1.240	0.123	100	1.00	23.23	23.50	1.064	0.131
		Right Cheek	23800	711.00	-4.650	0.097	100	1.00	23.23	23.50	1.064	0.103
		Right Tilt	23800	711.00	-0.790	0.203	100	1.00	23.23	23.50	1.064	0.216
	50%RB	Left Cheek	23780	709.00	3.600	0.036	100	1.00	23.23	23.50	1.064	0.038
		Left Tilt	23780	709.00	4.470	0.021	100	1.00	23.23	23.50	1.064	0.022
		Right Cheek	23780	709.00	-3.400	0.013	100	1.00	23.23	23.50	1.064	0.014
		Right Tilt	23780	709.00	0.700	0.031	100	1.00	23.23	23.50	1.064	0.033
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 17 (BW: 10MHz)	1RB	Front	23800	711.00	1.930	0.048	100	1.00	23.23	23.50	1.064	0.051
		Back	23800	711.00	-1.080	0.059	100	1.00	23.23	23.50	1.064	0.063
		Left	23800	711.00	-0.680	0.035	100	1.00	23.23	23.50	1.064	0.037
		Top	23800	711.00	-4.750	0.026	100	1.00	23.23	23.50	1.064	0.028
	50%RB	Front	23780	709.00	3.530	0.029	100	1.00	23.23	23.50	1.064	0.031
		Back	23780	709.00	1.240	0.011	100	1.00	23.23	23.50	1.064	0.012
		Left	23780	709.00	1.670	0.041	100	1.00	23.23	23.50	1.064	0.044
		Top	23780	709.00	3.290	0.038	100	1.00	23.23	23.50	1.064	0.040



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 38 (BW: 20MHz)	1RB	Left Cheek	38150	2610.00	1.460	0.219	100	1.00	22.68	23.00	1.076	0.236
		Left Tilt	38150	2610.00	-1.580	0.245	100	1.00	22.68	23.00	1.076	0.264
		Right Cheek	38150	2610.00	-2.690	0.254	100	1.00	22.68	23.00	1.076	0.273
		Right Tilt	38150	2610.00	-1.300	0.574	100	1.00	22.68	23.00	1.076	0.618
	50%RB	Left Cheek	37850	2580.00	-2.920	0.184	100	1.00	22.68	23.00	1.076	0.198
		Left Tilt	37850	2580.00	0.590	0.154	100	1.00	22.68	23.00	1.076	0.166
		Right Cheek	37850	2580.00	-1.300	0.145	100	1.00	22.68	23.00	1.076	0.156
		Right Tilt	37850	2580.00	-2.010	0.176	100	1.00	22.68	23.00	1.076	0.189
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 38 (BW: 20MHz)	1RB	Front	38150	2610.00	-2.380	0.090	100	1.00	22.68	23.00	1.076	0.097
		Back	38150	2610.00	-3.630	0.215	100	1.00	22.68	23.00	1.076	0.231
		Left	38150	2610.00	2.020	0.068	100	1.00	22.68	23.00	1.076	0.073
		Top	38150	2610.00	1.930	0.037	100	1.00	22.68	23.00	1.076	0.040
	50%RB	Front	37850	2580.00	-3.470	0.047	100	1.00	22.68	23.00	1.076	0.051
		Back	37850	2580.00	3.370	0.013	100	1.00	22.68	23.00	1.076	0.014
		Left	37850	2580.00	0.470	0.201	100	1.00	22.68	23.00	1.076	0.216
		Top	37850	2580.00	4.060	0.191	100	1.00	22.68	23.00	1.076	0.206



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Left Cheek	40620	2593.0	2.260	0.108	100	1.00	22.58	23.00	1.102	0.119
		Left Tilt	40620	2593.0	1.250	0.214	100	1.00	22.58	23.00	1.102	0.236
		Right Cheek	40620	2593.0	-1.360	0.268	100	1.00	22.58	23.00	1.102	0.295
		Right Tilt	40620	2593.0	-4.200	0.532	100	1.00	22.58	23.00	1.102	0.586
	50%RB	Left Cheek	40620	2593.0	-1.800	0.457	100	1.00	22.58	23.00	1.102	0.503
		Left Tilt	40620	2593.0	-4.220	0.461	100	1.00	22.58	23.00	1.102	0.508
		Right Cheek	40620	2593.0	1.740	0.449	100	1.00	22.58	23.00	1.102	0.495
		Right Tilt	40620	2593.0	-1.150	0.483	100	1.00	22.58	23.00	1.102	0.532
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Front	40620	2593.0	-0.610	0.082	100	1.00	22.58	23.00	1.102	0.090
		Back	40620	2593.0	2.560	0.197	100	1.00	22.58	23.00	1.102	0.217
		Left	40620	2593.0	-1.700	0.050	100	1.00	22.58	23.00	1.102	0.055
		Top	40620	2593.0	2.660	0.034	100	1.00	22.58	23.00	1.102	0.037
	50%RB	Front	40620	2593.0	3.680	0.128	100	1.00	22.58	23.00	1.102	0.141
		Back	40620	2593.0	-0.090	0.008	100	1.00	22.58	23.00	1.102	0.009
		Left	40620	2593.0	-2.470	0.130	100	1.00	22.58	23.00	1.102	0.143
		Top	40620	2593.0	-2.600	0.122	100	1.00	22.58	23.00	1.102	0.134

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Left Cheek	40620	2593.0	1.120	0.121	100	1.00	22.58	23.00	1.102	0.133
		Left Tilt	40620	2593.0	1.790	0.233	100	1.00	22.58	23.00	1.102	0.257
		Right Cheek	40620	2593.0	3.610	0.278	100	1.00	22.58	23.00	1.102	0.306
		Right Tilt	40620	2593.0	4.360	0.532	100	1.00	22.58	23.00	1.102	0.586
		Right Tilt	39750	2506.0	3.200	0.466	100	1.00	22.58	23.00	1.102	0.513
		Right Tilt-ENDC	39750	2506.0	-1.550	0.476	100	1.00	22.58	23.00	1.102	0.524
		Right Tilt	40185	2549.5	1.710	0.469	100	1.00	22.58	23.00	1.102	0.517
		Right Tilt	41055	2636.5	2.780	0.505	100	1.00	22.58	23.00	1.102	0.556
		Right Tilt	41490	2680.0	-0.210	0.300	100	1.00	22.58	23.00	1.102	0.330
	50%RB	Left Cheek	40620	2593.0	0.620	0.256	100	1.00	22.58	23.00	1.102	0.282
		Left Tilt	40620	2593.0	1.540	0.334	100	1.00	22.58	23.00	1.102	0.368
		Right Cheek	40620	2593.0	-2.100	0.300	100	1.00	22.58	23.00	1.102	0.330
		Right Tilt	40620	2593.0	0.170	0.260	100	1.00	22.58	23.00	1.102	0.286
	100%RB	Right Tilt	40620	2593.0	3.300	0.225	100	1.00	22.58	23.00	1.102	0.248
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Front	40620	2593.0	3.020	0.099	100	1.00	22.58	23.00	1.102	0.109
		Back	40620	2593.0	3.280	0.212	100	1.00	22.58	23.00	1.102	0.234
		Left	40620	2593.0	1.860	0.058	100	1.00	22.58	23.00	1.102	0.064
		Top	40620	2593.0	-3.920	0.043	100	1.00	22.58	23.00	1.102	0.047
	50%RB	Front	40620	2593.0	-2.430	0.142	100	1.00	22.58	23.00	1.102	0.156
		Back	40620	2593.0	-4.130	0.010	100	1.00	22.58	23.00	1.102	0.011
		Left	40620	2593.0	-0.340	0.156	100	1.00	22.58	23.00	1.102	0.172
		Top	40620	2593.0	-4.050	0.131	100	1.00	22.58	23.00	1.102	0.144



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Left Cheek	40620	2593.0	2.360	0.116	100	1.00	22.58	23.00	1.102	0.128
		Left Tilt	40620	2593.0	4.470	0.238	100	1.00	22.58	23.00	1.102	0.262
		Right Cheek	40620	2593.0	1.370	0.283	100	1.00	22.58	23.00	1.102	0.312
		Right Tilt	40620	2593.0	2.800	0.538	100	1.00	22.58	23.00	1.102	0.593
	50%RB	Left Cheek	40620	2593.0	0.330	0.469	100	1.00	22.58	23.00	1.102	0.517
		Left Tilt	40620	2593.0	-0.880	0.481	100	1.00	22.58	23.00	1.102	0.530
		Right Cheek	40620	2593.0	1.880	0.457	100	1.00	22.58	23.00	1.102	0.503
		Right Tilt	40620	2593.0	2.450	0.502	100	1.00	22.58	23.00	1.102	0.553
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Front	40620	2593.0	1.620	0.094	100	1.00	22.58	23.00	1.102	0.104
		Back	40620	2593.0	-2.060	0.209	100	1.00	22.58	23.00	1.102	0.230
		Left	40620	2593.0	2.180	0.064	100	1.00	22.58	23.00	1.102	0.070
		Top	40620	2593.0	-1.890	0.042	100	1.00	22.58	23.00	1.102	0.046
	50%RB	Front	40620	2593.0	0.690	0.137	100	1.00	22.58	23.00	1.102	0.151
		Back	40620	2593.0	-2.770	0.008	100	1.00	22.58	23.00	1.102	0.009
		Left	40620	2593.0	0.450	0.153	100	1.00	22.58	23.00	1.102	0.169
		Top	40620	2593.0	3.460	0.127	100	1.00	22.58	23.00	1.102	0.140

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Left Cheek	40620	2593.0	4.100	0.197	100	1.00	22.58	23.00	1.102	0.217
		Left Tilt	40620	2593.0	1.160	0.238	100	1.00	22.58	23.00	1.102	0.262
		Right Cheek	40620	2593.0	-2.040	0.290	100	1.00	22.58	23.00	1.102	0.319
		Right Tilt	40620	2593.0	-0.920	0.609	100	1.00	22.58	23.00	1.102	0.671
	50%RB	Left Cheek	40620	2593.0	1.020	0.537	100	1.00	22.58	23.00	1.102	0.592
		Left Tilt	40620	2593.0	-2.680	0.502	100	1.00	22.58	23.00	1.102	0.553
		Right Cheek	40620	2593.0	-0.050	0.491	100	1.00	22.58	23.00	1.102	0.541
		Right Tilt	40620	2593.0	4.190	0.575	100	1.00	22.58	23.00	1.102	0.633
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Front	40620	2593.0	-1.650	0.114	100	1.00	22.58	23.00	1.102	0.126
		Back	40620	2593.0	2.610	0.251	100	1.00	22.58	23.00	1.102	0.276
		Left	40620	2593.0	-0.510	0.073	100	1.00	22.58	23.00	1.102	0.080
		Top	40620	2593.0	-0.230	0.045	100	1.00	22.58	23.00	1.102	0.050
	50%RB	Front	40620	2593.0	2.830	0.181	100	1.00	22.58	23.00	1.102	0.199
		Back	40620	2593.0	1.500	0.015	100	1.00	22.58	23.00	1.102	0.017
		Left	40620	2593.0	3.560	0.198	100	1.00	22.58	23.00	1.102	0.218
		Top	40620	2593.0	-3.330	0.172	100	1.00	22.58	23.00	1.102	0.189



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 42 (BW: 20MHz)	1RB	Left Cheek	42290	3540.0	0.740	0.194	100	1.00	20.85	21.00	1.035	0.201
		Left Tilt	42290	3540.0	-0.930	0.275	100	1.00	20.85	21.00	1.035	0.285
		Right Cheek	42290	3540.0	-3.900	0.406	100	1.00	20.85	21.00	1.035	0.420
		Right Tilt	42290	3540.0	-1.350	0.568	100	1.00	20.85	21.00	1.035	0.588
	50%RB	Left Cheek	42190	3460.0	-2.830	0.153	100	1.00	20.85	21.00	1.035	0.158
		Left Tilt	42190	3460.0	0.400	0.124	100	1.00	20.85	21.00	1.035	0.128
		Right Cheek	42190	3460.0	-1.420	0.116	100	1.00	20.85	21.00	1.035	0.120
		Right Tilt	42190	3460.0	4.840	0.146	100	1.00	20.85	21.00	1.035	0.151
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 42 (BW: 20MHz)	1RB	Front	42290	3540.0	-2.470	0.141	100	1.00	20.85	21.00	1.035	0.146
		Back	42290	3540.0	-2.050	0.259	100	1.00	20.85	21.00	1.035	0.268
		Left	42290	3540.0	-4.940	0.126	100	1.00	20.85	21.00	1.035	0.130
		Top	42290	3540.0	2.240	0.081	100	1.00	20.85	21.00	1.035	0.084
	50%RB	Front	42190	3460.0	-4.770	0.098	100	1.00	20.85	21.00	1.035	0.101
		Back	42190	3460.0	-2.530	0.025	100	1.00	20.85	21.00	1.035	0.026
		Left	42190	3460.0	3.330	0.246	100	1.00	20.85	21.00	1.035	0.255
		Top	42190	3460.0	3.010	0.237	100	1.00	20.85	21.00	1.035	0.245



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 66 (BW: 20MHz)	1RB	Left Cheek	132572	1770.0	-3.220	0.215	100	1.00	23.04	23.50	1.112	0.239
		Left Tilt	132572	1770.0	-1.220	0.441	100	1.00	23.04	23.50	1.112	0.490
		Right Cheek	132572	1770.0	-4.310	0.365	100	1.00	23.04	23.50	1.112	0.406
		Right Tilt	132572	1770.0	-3.490	0.733	100	1.00	23.04	23.50	1.112	0.815
	50%RB	Left Cheek	132322	1720.0	2.400	0.168	100	1.00	23.04	23.50	1.112	0.187
		Left Tilt	132322	1720.0	0.840	0.153	100	1.00	23.04	23.50	1.112	0.170
		Right Cheek	132322	1720.0	1.870	0.137	100	1.00	23.04	23.50	1.112	0.152
		Right Tilt	132322	1720.0	-2.730	0.172	100	1.00	23.04	23.50	1.112	0.191
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 66 (BW: 20MHz)	1RB	Front	132572	1770.0	-3.240	0.090	100	1.00	23.04	23.50	1.112	0.100
		Back	132572	1770.0	-3.760	0.140	100	1.00	23.04	23.50	1.112	0.156
		Left	132572	1770.0	-4.680	0.072	100	1.00	23.04	23.50	1.112	0.080
		Top	132572	1770.0	-2.560	0.049	100	1.00	23.04	23.50	1.112	0.054
	50%RB	Front	132322	1720.0	-2.210	0.062	100	1.00	23.04	23.50	1.112	0.069
		Back	132322	1720.0	4.910	0.016	100	1.00	23.04	23.50	1.112	0.018
		Left	132322	1720.0	-3.260	0.112	100	1.00	23.04	23.50	1.112	0.125
		Top	132322	1720.0	-3.580	0.116	100	1.00	23.04	23.50	1.112	0.129



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n5 (BW: 20MHz)	1RB	Left Cheek	167800	839.0	-4.390	0.612	100	1.00	24.02	24.50	1.117	0.684
		Left Tilt	167800	839.0	1.170	0.609	100	1.00	24.02	24.50	1.117	0.680
		Right Cheek	167800	839.0	0.290	0.723	100	1.00	24.02	24.50	1.117	0.807
		Right Tilt	167800	839.0	1.660	0.912	100	1.00	24.02	24.50	1.117	1.019
	50%RB	Left Cheek	166800	834.0	-0.070	0.577	100	1.00	24.02	24.50	1.117	0.644
		Left Tilt	166800	834.0	-0.740	0.550	100	1.00	24.02	24.50	1.117	0.614
		Right Cheek	166800	834.0	4.610	0.528	100	1.00	24.02	24.50	1.117	0.590
		Right Tilt	166800	834.0	-4.480	0.559	100	1.00	24.02	24.50	1.117	0.624
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n5 (BW: 20MHz)	1RB	Front	167800	839.0	2.610	0.160	100	1.00	24.02	24.50	1.117	0.179
		Back	167800	839.0	-2.670	0.235	100	1.00	24.02	24.50	1.117	0.262
		Left	167800	839.0	3.980	0.106	100	1.00	24.02	24.50	1.117	0.118
		Top	167800	839.0	-4.410	0.047	100	1.00	24.02	24.50	1.117	0.052
	50%RB	Front	166800	834.0	-2.500	0.152	100	1.00	24.02	24.50	1.117	0.170
		Back	166800	834.0	3.170	0.018	100	1.00	24.02	24.50	1.117	0.020
		Left	166800	834.0	3.260	0.218	100	1.00	24.02	24.50	1.117	0.243
		Top	166800	834.0	0.890	0.201	100	1.00	24.02	24.50	1.117	0.224



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n7 (BW: 20MHz)	1RB	Left Cheek	512000	2560.0	3.870	0.405	100	1.00	23.72	24.00	1.067	0.432
		Left Tilt	512000	2560.0	-0.760	0.482	100	1.00	23.72	24.00	1.067	0.514
		Right Cheek	512000	2560.0	2.410	0.496	100	1.00	23.72	24.00	1.067	0.529
		Right Tilt	512000	2560.0	0.230	0.614	100	1.00	23.72	24.00	1.067	0.655
	50%RB	Left Cheek	502000	2510.0	-2.460	0.355	100	1.00	23.72	24.00	1.067	0.379
		Left Tilt	502000	2510.0	0.320	0.344	100	1.00	23.72	24.00	1.067	0.367
		Right Cheek	502000	2510.0	0.680	0.317	100	1.00	23.72	24.00	1.067	0.338
		Right Tilt	502000	2510.0	2.520	0.357	100	1.00	23.72	24.00	1.067	0.381
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n7 (BW: 20MHz)	1RB	Front	512000	2560.0	-0.280	0.168	100	1.00	23.72	24.00	1.067	0.179
		Back	512000	2560.0	4.650	0.265	100	1.00	23.72	24.00	1.067	0.283
		Left	512000	2560.0	4.320	0.194	100	1.00	23.72	24.00	1.067	0.207
		Top	512000	2560.0	-1.480	0.078	100	1.00	23.72	24.00	1.067	0.083
	50%RB	Front	502000	2510.0	-4.880	0.203	100	1.00	23.72	24.00	1.067	0.217
		Back	502000	2510.0	-4.170	0.023	100	1.00	23.72	24.00	1.067	0.025
		Left	502000	2510.0	3.110	0.241	100	1.00	23.72	24.00	1.067	0.257
		Top	502000	2510.0	-0.430	0.238	100	1.00	23.72	24.00	1.067	0.254



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n12 (BW: 15MHz)	1RB	Left Cheek	141700	708.8	4.330	0.119	100	1.00	24.65	25.00	1.084	0.129
		Left Tilt	141700	708.8	4.580	0.169	100	1.00	24.65	25.00	1.084	0.183
		Right Cheek	141700	708.8	-4.960	0.235	100	1.00	24.65	25.00	1.084	0.255
		Right Tilt	141700	708.8	-2.390	0.367	100	1.00	24.65	25.00	1.084	0.398
	50%RB	Left Cheek	141300	706.5	-2.430	0.083	100	1.00	24.65	25.00	1.084	0.090
		Left Tilt	141300	706.5	1.760	0.060	100	1.00	24.65	25.00	1.084	0.065
		Right Cheek	141300	706.5	3.130	0.030	100	1.00	24.65	25.00	1.084	0.033
		Right Tilt	141300	706.5	0.130	0.061	100	1.00	24.65	25.00	1.084	0.066
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n12 (BW: 15MHz)	1RB	Front	141700	708.8	-1.510	0.032	100	1.00	24.65	25.00	1.084	0.035
		Back	141700	708.8	-4.260	0.071	100	1.00	24.65	25.00	1.084	0.077
		Left	141700	708.8	3.300	0.049	100	1.00	24.65	25.00	1.084	0.053
		Top	141700	708.8	4.580	0.041	100	1.00	24.65	25.00	1.084	0.044
	50%RB	Front	141300	706.5	-0.310	0.053	100	1.00	24.65	25.00	1.084	0.057
		Back	141300	706.5	1.690	0.020	100	1.00	24.65	25.00	1.084	0.022
		Left	141300	706.5	-3.320	0.055	100	1.00	24.65	25.00	1.084	0.060
		Top	141300	706.5	-4.690	0.034	100	1.00	24.65	25.00	1.084	0.037



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n38 (BW: 20MHz)	1RB	Left Cheek	52200	2610.0	4.180	0.142	100	1.00	23.84	24.00	1.038	0.147
		Left Tilt	52200	2610.0	-4.890	0.169	100	1.00	23.84	24.00	1.038	0.175
		Right Cheek	52200	2610.0	-4.930	0.283	100	1.00	23.84	24.00	1.038	0.294
		Right Tilt	52200	2610.0	-3.250	0.378	100	1.00	23.84	24.00	1.038	0.392
	50%RB	Left Cheek	522500	2580.0	-1.560	0.339	100	1.00	23.84	24.00	1.038	0.352
		Left Tilt	522500	2580.0	-1.910	0.309	100	1.00	23.84	24.00	1.038	0.321
		Right Cheek	522500	2580.0	2.600	0.299	100	1.00	23.84	24.00	1.038	0.310
		Right Tilt	522500	2580.0	2.730	0.287	100	1.00	23.84	24.00	1.038	0.298
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n38 (BW: 20MHz)	1RB	Front	52200	2610.0	4.060	0.051	100	1.00	23.84	24.00	1.038	0.053
		Back	52200	2610.0	4.700	0.114	100	1.00	23.84	24.00	1.038	0.118
		Left	52200	2610.0	1.540	0.083	100	1.00	23.84	24.00	1.038	0.086
		Top	52200	2610.0	-0.830	0.021	100	1.00	23.84	24.00	1.038	0.022
	50%RB	Front	522500	2580.0	3.110	0.087	100	1.00	23.84	24.00	1.038	0.090
		Back	522500	2580.0	3.150	0.003	100	1.00	23.84	24.00	1.038	0.003
		Left	522500	2580.0	-1.750	0.102	100	1.00	23.84	24.00	1.038	0.106
		Top	522500	2580.0	-2.320	0.088	100	1.00	23.84	24.00	1.038	0.091



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n41 (BW:100MHz)	1RB	Left Cheek	528000	2640.0	-4.880	0.199	100	1.00	23.45	23.50	1.012	0.201
		Left Tilt	528000	2640.0	-4.760	0.234	100	1.00	23.45	23.50	1.012	0.237
		Right Cheek	528000	2640.0	-2.280	0.356	100	1.00	23.45	23.50	1.012	0.360
		Right Tilt	528000	2640.0	4.820	0.401	100	1.00	23.45	23.50	1.012	0.406
	50%RB	Left Cheek	509202	2546.0	2.830	0.357	100	1.00	23.45	23.50	1.012	0.361
		Left Tilt	509202	2546.0	3.910	0.340	100	1.00	23.45	23.50	1.012	0.344
		Right Cheek	509202	2546.0	3.490	0.320	100	1.00	23.45	23.50	1.012	0.324
NR n41 (BW:100MHz)	1RB	Right Tilt	509202	2546.0	1.630	0.311	100	1.00	23.45	23.50	1.012	0.315
	50%RB	Front	528000	2640.0	4.880	0.083	100	1.00	23.45	23.50	1.012	0.084
		Back	528000	2640.0	4.840	0.173	100	1.00	23.45	23.50	1.012	0.175
		Left	528000	2640.0	0.260	0.115	100	1.00	23.45	23.50	1.012	0.116
		Top	528000	2640.0	0.580	0.069	100	1.00	23.45	23.50	1.012	0.070
	50%RB	Front	509202	2546.0	1.460	0.121	100	1.00	23.45	23.50	1.012	0.122
		Back	509202	2546.0	3.380	0.009	100	1.00	23.45	23.50	1.012	0.009
		Left	509202	2546.0	0.150	0.150	100	1.00	23.45	23.50	1.012	0.152
		Top	509202	2546.0	0.200	0.152	100	1.00	23.45	23.50	1.012	0.154



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n66 (BW:40MHz)	1RB	Left Cheek	349000	1760.0	4.920	0.205	100	1.00	24.10	24.50	1.096	0.225
		Left Tilt	349000	1760.0	0.980	0.296	100	1.00	24.10	24.50	1.096	0.325
		Right Cheek	349000	1760.0	3.200	0.463	100	1.00	24.10	24.50	1.096	0.508
		Right Tilt	349000	1760.0	3.830	0.542	100	1.00	24.10	24.50	1.096	0.594
	50%RB	Left Cheek	346000	1730.0	-1.460	0.499	100	1.00	24.10	24.50	1.096	0.547
		Left Tilt	346000	1730.0	-1.490	0.472	100	1.00	24.10	24.50	1.096	0.518
		Right Cheek	346000	1730.0	3.790	0.456	100	1.00	24.10	24.50	1.096	0.500
		Right Tilt	346000	1730.0	0.970	0.444	100	1.00	24.10	24.50	1.096	0.487
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n66 (BW:40MHz)	1RB	Front	349000	1760.0	-2.370	0.048	100	1.00	24.10	24.50	1.096	0.053
		Back	349000	1760.0	-2.950	0.094	100	1.00	24.10	24.50	1.096	0.103
		Left	349000	1760.0	0.880	0.080	100	1.00	24.10	24.50	1.096	0.088
		Top	349000	1760.0	-3.720	0.008	100	1.00	24.10	24.50	1.096	0.009
	50%RB	Front	346000	1730.0	4.250	0.069	100	1.00	24.10	24.50	1.096	0.076
		Back	346000	1730.0	3.340	0.002	100	1.00	24.10	24.50	1.096	0.002
		Left	346000	1730.0	-0.350	0.070	100	1.00	24.10	24.50	1.096	0.077
		Top	346000	1730.0	2.160	0.055	100	1.00	24.10	24.50	1.096	0.060



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:50MHz)	1RB	Left Cheek	635000	3525.0	2.090	0.352	100	1.00	25.95	26.00	1.012	0.356
		Left Tilt	635000	3525.0	2.620	0.442	100	1.00	25.95	26.00	1.012	0.447
		Right Cheek	635000	3525.0	-2.040	0.485	100	1.00	25.95	26.00	1.012	0.491
		Right Tilt	635000	3525.0	-4.750	0.653	100	1.00	25.95	26.00	1.012	0.661
	50%RB	Left Cheek	631668	3475.0	3.070	0.619	100	1.00	25.95	26.00	1.012	0.626
		Left Tilt	631668	3475.0	4.600	0.586	100	1.00	25.95	26.00	1.012	0.593
		Right Cheek	631668	3475.0	-0.570	0.574	100	1.00	25.95	26.00	1.012	0.581
		Right Tilt	631668	3475.0	0.380	0.560	100	1.00	25.95	26.00	1.012	0.566
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:50MHz)	1RB	Front	635000	3525.0	-1.150	0.214	100	1.00	25.95	26.00	1.012	0.216
		Back	635000	3525.0	-4.410	0.384	100	1.00	25.95	26.00	1.012	0.388
		Left	635000	3525.0	2.100	0.193	100	1.00	25.95	26.00	1.012	0.195
		Top	635000	3525.0	-0.280	0.135	100	1.00	25.95	26.00	1.012	0.137
	50%RB	Front	631668	3475.0	3.200	0.262	100	1.00	25.95	26.00	1.012	0.265
		Back	631668	3475.0	0.160	0.031	100	1.00	25.95	26.00	1.012	0.031
		Left	631668	3475.0	3.050	0.316	100	1.00	25.95	26.00	1.012	0.320
		Top	631668	3475.0	-1.520	0.294	100	1.00	25.95	26.00	1.012	0.297



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:100MHz)	1RB	Left Cheek	662000	3930.0	0.260	0.527	100	1.00	26.27	26.50	1.054	0.556
		Left Tilt	662000	3930.0	3.360	0.541	100	1.00	26.27	26.50	1.054	0.570
		Right Cheek	662000	3930.0	-2.750	0.542	100	1.00	26.27	26.50	1.054	0.571
		Right Tilt	662000	3930.0	2.060	0.587	100	1.00	26.27	26.50	1.054	0.619
	50%RB	Left Cheek	650000	3750.0	-4.170	0.532	100	1.00	26.27	26.50	1.054	0.561
		Left Tilt	650000	3750.0	-2.670	0.495	100	1.00	26.27	26.50	1.054	0.522
		Right Cheek	650000	3750.0	-2.720	0.427	100	1.00	26.27	26.50	1.054	0.450
		Right Tilt	650000	3750.0	0.720	0.443	100	1.00	26.27	26.50	1.054	0.467
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:100MHz)	1RB	Front	662000	3930.0	4.090	0.275	100	1.00	26.27	26.50	1.054	0.290
		Back	662000	3930.0	0.050	0.298	100	1.00	26.27	26.50	1.054	0.314
		Left	662000	3930.0	2.390	0.241	100	1.00	26.27	26.50	1.054	0.254
		Top	662000	3930.0	-4.660	0.230	100	1.00	26.27	26.50	1.054	0.243
	50%RB	Front	650000	3750.0	-1.910	0.241	100	1.00	26.27	26.50	1.054	0.254
		Back	650000	3750.0	-0.920	0.242	100	1.00	26.27	26.50	1.054	0.255
		Left	650000	3750.0	-0.020	0.255	100	1.00	26.27	26.50	1.054	0.269
		Top	650000	3750.0	-3.920	0.218	100	1.00	26.27	26.50	1.054	0.230



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Left Cheek	635000	3525.0	-0.610	0.131	100	1.00	25.65	26.00	1.084	0.142
		Left Tilt	635000	3525.0	4.950	0.192	100	1.00	25.65	26.00	1.084	0.208
		Right Cheek	635000	3525.0	-1.390	0.233	100	1.00	25.65	26.00	1.084	0.253
		Right Tilt	635000	3525.0	-1.200	0.364	100	1.00	25.65	26.00	1.084	0.395
	50%RB	Left Cheek	631668	3475.0	0.220	0.321	100	1.00	25.65	26.00	1.084	0.348
		Left Tilt	631668	3475.0	-1.450	0.296	100	1.00	25.65	26.00	1.084	0.321
		Right Cheek	631668	3475.0	2.540	0.279	100	1.00	25.65	26.00	1.084	0.302
		Right Tilt	631668	3475.0	0.750	0.283	100	1.00	25.65	26.00	1.084	0.307
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Front	635000	3525.0	4.450	0.072	100	1.00	25.65	26.00	1.084	0.078
		Back	635000	3525.0	2.750	0.166	100	1.00	25.65	26.00	1.084	0.180
		Left	635000	3525.0	0.400	0.119	100	1.00	25.65	26.00	1.084	0.129
		Top	635000	3525.0	4.110	0.057	100	1.00	25.65	26.00	1.084	0.062
	50%RB	Front	631668	3475.0	1.410	0.126	100	1.00	25.65	26.00	1.084	0.137
		Back	631668	3475.0	-3.540	0.009	100	1.00	25.65	26.00	1.084	0.010
		Left	631668	3475.0	-2.120	0.112	100	1.00	25.65	26.00	1.084	0.121
		Top	631668	3475.0	0.580	0.083	100	1.00	25.65	26.00	1.084	0.090



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Left Cheek	651666	3775.0	0.260	0.209	100	1.00	26.23	23.50	0.533	0.111
		Left Tilt	651666	3775.0	2.030	0.225	100	1.00	26.23	23.50	0.533	0.120
		Right Cheek	651666	3775.0	-4.110	0.243	100	1.00	26.23	23.50	0.533	0.130
		Right Tilt	651666	3775.0	0.420	0.278	100	1.00	26.23	23.50	0.533	0.148
	50%RB	Left Cheek	648334	3725.0	1.430	0.222	100	1.00	26.23	23.50	0.533	0.118
		Left Tilt	648334	3725.0	4.480	0.187	100	1.00	26.23	23.50	0.533	0.100
		Right Cheek	648334	3725.0	3.360	0.132	100	1.00	26.23	23.50	0.533	0.070
		Right Tilt	648334	3725.0	4.700	0.145	100	1.00	26.23	23.50	0.533	0.077
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Front	651666	3775.0	-2.860	0.128	100	1.00	26.23	23.50	0.533	0.068
		Back	651666	3775.0	1.350	0.150	100	1.00	26.23	23.50	0.533	0.080
		Left	651666	3775.0	3.440	0.091	100	1.00	26.23	23.50	0.533	0.049
		Top	651666	3775.0	-0.410	0.082	100	1.00	26.23	23.50	0.533	0.044
	50%RB	Front	648334	3725.0	3.010	0.096	100	1.00	26.23	23.50	0.533	0.051
		Back	648334	3725.0	-4.870	0.108	100	1.00	26.23	23.50	0.533	0.058
		Left	648334	3725.0	-2.150	0.111	100	1.00	26.23	23.50	0.533	0.059
		Top	648334	3725.0	-3.430	0.078	100	1.00	26.23	23.50	0.533	0.042



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n7 (BW: 20MHz)	1RB	Left Cheek	19100	1900.0	-3.970	0.427	100	1.00	23.62	24.00	1.091	0.466
		Left Tilt	19100	1900.0	-1.640	0.585	100	1.00	23.62	24.00	1.091	0.638
		Right Cheek	19100	1900.0	-3.520	0.863	100	1.00	23.62	24.00	1.091	0.942
		Right Tilt	19100	1900.0	-0.060	1.012	100	1.00	23.62	24.00	1.091	1.105
	50%RB	Left Cheek	18700	1860.0	-1.390	0.978	100	1.00	23.62	24.00	1.091	1.067
		Left Tilt	18700	1860.0	0.660	0.956	100	1.00	23.62	24.00	1.091	1.043
		Right Cheek	18700	1860.0	-1.240	0.940	100	1.00	23.62	24.00	1.091	1.026
		Right Tilt	18700	1860.0	2.850	0.923	100	1.00	23.62	24.00	1.091	1.007
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n7 (BW: 20MHz)	1RB	Front	19100	1900.0	-2.040	0.209	100	1.00	23.62	24.00	1.091	0.228
		Back	19100	1900.0	-4.370	0.371	100	1.00	23.62	24.00	1.091	0.405
		Left	19100	1900.0	-1.660	0.283	100	1.00	23.62	24.00	1.091	0.309
		Top	19100	1900.0	-3.680	0.079	100	1.00	23.62	24.00	1.091	0.086
	50%RB	Front	18700	1860.0	0.550	0.264	100	1.00	23.62	24.00	1.091	0.288
		Back	18700	1860.0	0.410	0.128	100	1.00	23.62	24.00	1.091	0.140
		Left	18700	1860.0	1.530	0.303	100	1.00	23.62	24.00	1.091	0.331
		Top	18700	1860.0	3.080	0.274	100	1.00	23.62	24.00	1.091	0.299



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n66 (BW: 20MHz)	1RB	Left Cheek	19100	1900.0	-1.430	0.590	100	1.00	24.10	24.50	1.096	0.647
		Left Tilt	19100	1900.0	-2.620	0.837	100	1.00	24.10	24.50	1.096	0.918
		Right Cheek	19100	1900.0	-3.050	0.925	100	1.00	24.10	24.50	1.096	1.014
		Right Tilt	19100	1900.0	2.200	1.091	100	1.00	24.10	24.50	1.096	1.196
	50%RB	Left Cheek	18700	1860.0	-2.210	1.058	100	1.00	24.10	24.50	1.096	1.160
		Left Tilt	18700	1860.0	-2.620	1.030	100	1.00	24.10	24.50	1.096	1.129
		Right Cheek	18700	1860.0	4.050	1.011	100	1.00	24.10	24.50	1.096	1.109
		Right Tilt	18700	1860.0	-4.340	1.010	100	1.00	24.10	24.50	1.096	1.107
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n66 (BW: 20MHz)	1RB	Front	19100	1900.0	0.610	0.178	100	1.00	24.10	24.50	1.096	0.195
		Back	19100	1900.0	0.410	0.320	100	1.00	24.10	24.50	1.096	0.351
		Left	19100	1900.0	4.500	0.208	100	1.00	24.10	24.50	1.096	0.228
		Top	19100	1900.0	-0.960	0.075	100	1.00	24.10	24.50	1.096	0.082
	50%RB	Front	18700	1860.0	2.600	0.214	100	1.00	24.10	24.50	1.096	0.235
		Back	18700	1860.0	4.110	0.190	100	1.00	24.10	24.50	1.096	0.208
		Left	18700	1860.0	-0.640	0.256	100	1.00	24.10	24.50	1.096	0.281
		Top	18700	1860.0	-0.330	0.240	100	1.00	24.10	24.50	1.096	0.263



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n78 (BW: 20MHz)	1RB	Left Cheek	19100	1900.0	4.050	0.159	100	1.00	22.78	23.00	1.052	0.167
		Left Tilt	19100	1900.0	4.260	0.154	100	1.00	22.78	23.00	1.052	0.162
		Right Cheek	19100	1900.0	4.800	0.316	100	1.00	22.78	23.00	1.052	0.332
		Right Tilt	19100	1900.0	1.470	0.284	100	1.00	22.78	23.00	1.052	0.299
	50%RB	Left Cheek	18700	1860.0	-4.310	0.246	100	1.00	22.78	23.00	1.052	0.259
		Left Tilt	18700	1860.0	-3.250	0.221	100	1.00	22.78	23.00	1.052	0.232
		Right Cheek	18700	1860.0	2.240	0.199	100	1.00	22.78	23.00	1.052	0.209
		Right Tilt	18700	1860.0	-0.700	0.196	100	1.00	22.78	23.00	1.052	0.206
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n78 (BW: 20MHz)	1RB	Front	19100	1900.0	0.250	0.053	100	1.00	22.78	23.00	1.052	0.056
		Back	19100	1900.0	-4.130	0.134	100	1.00	22.78	23.00	1.052	0.141
		Left	19100	1900.0	-1.710	0.113	100	1.00	22.78	23.00	1.052	0.119
		Top	19100	1900.0	1.750	0.026	100	1.00	22.78	23.00	1.052	0.027
	50%RB	Front	18700	1860.0	4.530	0.084	100	1.00	22.78	23.00	1.052	0.088
		Back	18700	1860.0	-4.830	0.950	100	1.00	22.78	23.00	1.052	0.999
		Left	18700	1860.0	-4.240	0.114	100	1.00	22.78	23.00	1.052	0.120
		Top	18700	1860.0	4.100	0.106	100	1.00	22.78	23.00	1.052	0.112



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n7 (BW: 20MHz)	1RB	Left Cheek	20300	1745.0	2.290	0.164	100	1.00	24.24	24.50	1.062	0.174
		Left Tilt	20300	1745.0	3.930	0.262	100	1.00	24.24	24.50	1.062	0.278
		Right Cheek	20300	1745.0	4.810	0.204	100	1.00	24.24	24.50	1.062	0.217
		Right Tilt	20300	1745.0	4.540	0.346	100	1.00	24.24	24.50	1.062	0.367
	50%RB	Left Cheek	20050	1720.0	4.530	0.307	100	1.00	24.24	24.50	1.062	0.326
		Left Tilt	20050	1720.0	1.820	0.284	100	1.00	24.24	24.50	1.062	0.302
		Right Cheek	20050	1720.0	-4.730	0.266	100	1.00	24.24	24.50	1.062	0.282
		Right Tilt	20050	1720.0	3.040	0.259	100	1.00	24.24	24.50	1.062	0.275
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n7 (BW: 20MHz)	1RB	Front	20300	1745.0	1.710	0.082	100	1.00	24.24	24.50	1.062	0.087
		Back	20300	1745.0	1.390	0.159	100	1.00	24.24	24.50	1.062	0.169
		Left	20300	1745.0	2.110	0.091	100	1.00	24.24	24.50	1.062	0.097
		Top	20300	1745.0	2.910	0.026	100	1.00	24.24	24.50	1.062	0.028
	50%RB	Front	20050	1720.0	-4.770	0.108	100	1.00	24.24	24.50	1.062	0.115
		Back	20050	1720.0	-1.290	0.151	100	1.00	24.24	24.50	1.062	0.160
		Left	20050	1720.0	-1.470	0.142	100	1.00	24.24	24.50	1.062	0.151
		Top	20050	1720.0	4.350	0.146	100	1.00	24.24	24.50	1.062	0.155



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n38 (BW: 20MHz)	1RB	Left Cheek	20300	1745.0	-4.050	0.308	100	1.00	23.47	23.50	1.007	0.310
		Left Tilt	20300	1745.0	4.950	0.118	100	1.00	23.47	23.50	1.007	0.119
		Right Cheek	20300	1745.0	-4.350	0.318	100	1.00	23.47	23.50	1.007	0.320
		Right Tilt	20300	1745.0	4.280	0.212	100	1.00	23.47	23.50	1.007	0.213
	50%RB	Left Cheek	20050	1720.0	4.710	0.178	100	1.00	23.47	23.50	1.007	0.179
		Left Tilt	20050	1720.0	2.980	0.145	100	1.00	23.47	23.50	1.007	0.146
		Right Cheek	20050	1720.0	0.240	0.130	100	1.00	23.47	23.50	1.007	0.131
		Right Tilt	20050	1720.0	-2.970	0.118	100	1.00	23.47	23.50	1.007	0.119
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n38 (BW: 20MHz)	1RB	Front	20300	1745.0	-1.810	0.128	100	1.00	23.47	23.50	1.007	0.129
		Back	20300	1745.0	-3.490	0.221	100	1.00	23.47	23.50	1.007	0.223
		Left	20300	1745.0	-2.960	0.185	100	1.00	23.47	23.50	1.007	0.186
		Top	20300	1745.0	-1.450	0.041	100	1.00	23.47	23.50	1.007	0.041
	50%RB	Front	20050	1720.0	2.190	0.149	100	1.00	23.47	23.50	1.007	0.150
		Back	20050	1720.0	-4.900	0.135	100	1.00	23.47	23.50	1.007	0.136
		Left	20050	1720.0	4.460	0.204	100	1.00	23.47	23.50	1.007	0.205
		Top	20050	1720.0	-0.950	0.205	100	1.00	23.47	23.50	1.007	0.206



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n41 (BW: 20MHz)	1RB	Left Cheek	20300	1745.0	4.880	0.233	100	1.00	23.73	24.00	1.064	0.248
		Left Tilt	20300	1745.0	-3.850	0.116	100	1.00	23.73	24.00	1.064	0.123
		Right Cheek	20300	1745.0	-1.550	0.185	100	1.00	23.73	24.00	1.064	0.197
		Right Tilt	20300	1745.0	-1.620	0.091	100	1.00	23.73	24.00	1.064	0.097
	50%RB	Left Cheek	20050	1720.0	0.380	0.194	100	1.00	23.73	24.00	1.064	0.206
		Left Tilt	20050	1720.0	0.310	0.164	100	1.00	23.73	24.00	1.064	0.175
		Right Cheek	20050	1720.0	4.090	0.206	100	1.00	23.73	24.00	1.064	0.219
		Right Tilt	20050	1720.0	-2.400	0.194	100	1.00	23.73	24.00	1.064	0.206
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n41 (BW: 20MHz)	1RB	Front	20300	1745.0	-3.640	0.088	100	1.00	23.73	24.00	1.064	0.094
		Back	20300	1745.0	-3.870	0.171	100	1.00	23.73	24.00	1.064	0.182
		Left	20300	1745.0	-2.090	0.144	100	1.00	23.73	24.00	1.064	0.153
		Top	20300	1745.0	-1.020	0.029	100	1.00	23.73	24.00	1.064	0.031
	50%RB	Front	20050	1720.0	1.730	0.108	100	1.00	23.73	24.00	1.064	0.115
		Back	20050	1720.0	-4.000	0.125	100	1.00	23.73	24.00	1.064	0.133
		Left	20050	1720.0	3.880	0.161	100	1.00	23.73	24.00	1.064	0.171
		Top	20050	1720.0	3.140	0.160	100	1.00	23.73	24.00	1.064	0.170



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n78 (BW: 20MHz)	1RB	Left Cheek	20300	1745.0	-4.040	0.235	100	1.00	23.45	23.50	1.012	0.238
		Left Tilt	20300	1745.0	-3.520	0.139	100	1.00	23.45	23.50	1.012	0.141
		Right Cheek	20300	1745.0	1.790	0.347	100	1.00	23.45	23.50	1.012	0.351
		Right Tilt	20300	1745.0	-0.390	0.158	100	1.00	23.45	23.50	1.012	0.160
	50%RB	Left Cheek	20050	1720.0	4.650	0.127	100	1.00	23.45	23.50	1.012	0.128
		Left Tilt	20050	1720.0	1.910	0.102	100	1.00	23.45	23.50	1.012	0.103
		Right Cheek	20050	1720.0	2.070	0.077	100	1.00	23.45	23.50	1.012	0.078
		Right Tilt	20050	1720.0	3.800	0.072	100	1.00	23.45	23.50	1.012	0.073
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n78 (BW: 20MHz)	1RB	Front	20300	1745.0	-4.340	0.064	100	1.00	23.45	23.50	1.012	0.065
		Back	20300	1745.0	-4.650	0.140	100	1.00	23.45	23.50	1.012	0.142
		Left	20300	1745.0	0.900	0.128	100	1.00	23.45	23.50	1.012	0.129
		Top	20300	1745.0	-4.380	0.026	100	1.00	23.45	23.50	1.012	0.026
	50%RB	Front	20050	1720.0	-0.350	0.085	100	1.00	23.45	23.50	1.012	0.086
		Back	20050	1720.0	2.670	0.013	100	1.00	23.45	23.50	1.012	0.013
		Left	20050	1720.0	4.110	0.137	100	1.00	23.45	23.50	1.012	0.139
		Top	20050	1720.0	-1.370	0.128	100	1.00	23.45	23.50	1.012	0.129



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n7 (BW: 10MHz)	1RB	Left Cheek	20600	844.0	-1.940	0.074	100	1.00	22.62	23.00	1.091	0.081
		Left Tilt	20600	844.0	-1.190	0.100	100	1.00	22.62	23.00	1.091	0.109
		Right Cheek	20600	844.0	3.420	0.148	100	1.00	22.62	23.00	1.091	0.162
		Right Tilt	20600	844.0	-0.200	0.191	100	1.00	22.62	23.00	1.091	0.208
	50%RB	Left Cheek	20450	829.0	2.060	0.158	100	1.00	22.62	23.00	1.091	0.172
		Left Tilt	20450	829.0	-1.690	0.135	100	1.00	22.62	23.00	1.091	0.147
		Right Cheek	20450	829.0	-0.810	0.164	100	1.00	22.62	23.00	1.091	0.179
		Right Tilt	20450	829.0	-1.690	0.144	100	1.00	22.62	23.00	1.091	0.157
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n7 (BW: 10MHz)	1RB	Front	20600	844.0	4.460	0.031	100	1.00	22.62	23.00	1.091	0.034
		Back	20600	844.0	4.620	0.051	100	1.00	22.62	23.00	1.091	0.056
		Left	20600	844.0	0.590	0.036	100	1.00	22.62	23.00	1.091	0.039
		Top	20600	844.0	-3.220	0.012	100	1.00	22.62	23.00	1.091	0.013
	50%RB	Front	20450	829.0	-4.770	0.038	100	1.00	22.62	23.00	1.091	0.041
		Back	20450	829.0	3.000	0.026	100	1.00	22.62	23.00	1.091	0.028
		Left	20450	829.0	4.320	0.014	100	1.00	22.62	23.00	1.091	0.015
		Top	20450	829.0	2.220	0.010	100	1.00	22.62	23.00	1.091	0.011



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n38 (BW: 10MHz)	1RB	Left Cheek	20600	844.0	-0.510	0.040	100	1.00	21.23	21.50	1.064	0.043
		Left Tilt	20600	844.0	0.910	0.063	100	1.00	21.23	21.50	1.064	0.067
		Right Cheek	20600	844.0	-4.080	0.087	100	1.00	21.23	21.50	1.064	0.093
		Right Tilt	20600	844.0	-0.660	0.162	100	1.00	21.23	21.50	1.064	0.172
	50%RB	Left Cheek	20450	829.0	0.650	0.117	100	1.00	21.23	21.50	1.064	0.125
		Left Tilt	20450	829.0	4.190	0.110	100	1.00	21.23	21.50	1.064	0.117
		Right Cheek	20450	829.0	4.160	0.142	100	1.00	21.23	21.50	1.064	0.151
		Right Tilt	20450	829.0	4.730	0.122	100	1.00	21.23	21.50	1.064	0.130
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n38 (BW: 10MHz)	1RB	Front	20600	844.0	1.760	0.035	100	1.00	21.23	21.50	1.064	0.037
		Back	20600	844.0	4.320	0.053	100	1.00	21.23	21.50	1.064	0.056
		Left	20600	844.0	-4.890	0.026	100	1.00	21.23	21.50	1.064	0.028
		Top	20600	844.0	3.280	0.009	100	1.00	21.23	21.50	1.064	0.010
	50%RB	Front	20450	829.0	-4.510	0.037	100	1.00	21.23	21.50	1.064	0.039
		Back	20450	829.0	0.150	0.003	100	1.00	21.23	21.50	1.064	0.003
		Left	20450	829.0	3.780	0.042	100	1.00	21.23	21.50	1.064	0.045
		Top	20450	829.0	-4.640	0.031	100	1.00	21.23	21.50	1.064	0.033



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n41 (BW: 10MHz)	1RB	Left Cheek	20600	844.0	-0.920	0.052	100	1.00	21.78	22.00	1.052	0.055
		Left Tilt	20600	844.0	-3.130	0.064	100	1.00	21.78	22.00	1.052	0.067
		Right Cheek	20600	844.0	1.770	0.101	100	1.00	21.78	22.00	1.052	0.106
		Right Tilt	20600	844.0	-3.490	0.160	100	1.00	21.78	22.00	1.052	0.168
	50%RB	Left Cheek	20450	829.0	3.470	0.130	100	1.00	21.78	22.00	1.052	0.137
		Left Tilt	20450	829.0	-1.360	0.105	100	1.00	21.78	22.00	1.052	0.110
		Right Cheek	20450	829.0	4.600	0.133	100	1.00	21.78	22.00	1.052	0.140
		Right Tilt	20450	829.0	-0.920	0.111	100	1.00	21.78	22.00	1.052	0.117
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n41 (BW: 10MHz)	1RB	Front	20600	844.0	4.710	0.027	100	1.00	21.78	22.00	1.052	0.028
		Back	20600	844.0	4.200	0.045	100	1.00	21.78	22.00	1.052	0.047
		Left	20600	844.0	-0.760	0.029	100	1.00	21.78	22.00	1.052	0.031
		Top	20600	844.0	1.580	0.006	100	1.00	21.78	22.00	1.052	0.006
	50%RB	Front	20450	829.0	0.410	0.033	100	1.00	21.78	22.00	1.052	0.035
		Back	20450	829.0	1.280	0.003	100	1.00	21.78	22.00	1.052	0.003
		Left	20450	829.0	-1.110	0.026	100	1.00	21.78	22.00	1.052	0.027
		Top	20450	829.0	1.980	0.033	100	1.00	21.78	22.00	1.052	0.035



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n66 (BW: 10MHz)	1RB	Left Cheek	20600	844.0	0.300	0.058	100	1.00	23.81	24.00	1.045	0.061
		Left Tilt	20600	844.0	-0.940	0.110	100	1.00	23.81	24.00	1.045	0.115
		Right Cheek	20600	844.0	-1.260	0.121	100	1.00	23.81	24.00	1.045	0.126
		Right Tilt	20600	844.0	-4.050	0.210	100	1.00	23.81	24.00	1.045	0.219
	50%RB	Left Cheek	20450	829.0	-0.950	0.160	100	1.00	23.81	24.00	1.045	0.167
		Left Tilt	20450	829.0	0.950	0.140	100	1.00	23.81	24.00	1.045	0.146
		Right Cheek	20450	829.0	-3.910	0.185	100	1.00	23.81	24.00	1.045	0.193
		Right Tilt	20450	829.0	4.350	0.172	100	1.00	23.81	24.00	1.045	0.180
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n66 (BW: 10MHz)	1RB	Front	20600	844.0	-0.130	0.024	100	1.00	23.81	24.00	1.045	0.025
		Back	20600	844.0	-4.030	0.049	100	1.00	23.81	24.00	1.045	0.051
		Left	20600	844.0	-1.130	0.013	100	1.00	23.81	24.00	1.045	0.014
		Top	20600	844.0	0.880	0.017	100	1.00	23.81	24.00	1.045	0.018
	50%RB	Front	20450	829.0	0.020	0.036	100	1.00	23.81	24.00	1.045	0.038
		Back	20450	829.0	-1.540	0.006	100	1.00	23.81	24.00	1.045	0.006
		Left	20450	829.0	1.660	0.031	100	1.00	23.81	24.00	1.045	0.032
		Top	20450	829.0	0.800	0.035	100	1.00	23.81	24.00	1.045	0.037



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n77 (BW: 10MHz)	1RB	Left Cheek	20600	844.0	0.090	0.051	100	1.00	23.22	23.50	1.067	0.054
		Left Tilt	20600	844.0	-4.970	0.056	100	1.00	23.22	23.50	1.067	0.060
		Right Cheek	20600	844.0	-3.600	0.058	100	1.00	23.22	23.50	1.067	0.062
		Right Tilt	20600	844.0	-1.540	0.061	100	1.00	23.22	23.50	1.067	0.065
	50%RB	Left Cheek	20450	829.0	-3.400	0.028	100	1.00	23.22	23.50	1.067	0.030
		Left Tilt	20450	829.0	4.010	0.028	100	1.00	23.22	23.50	1.067	0.030
		Right Cheek	20450	829.0	-0.910	0.018	100	1.00	23.22	23.50	1.067	0.019
		Right Tilt	20450	829.0	3.280	0.016	100	1.00	23.22	23.50	1.067	0.017
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n77 (BW: 10MHz)	1RB	Front	20600	844.0	-1.120	0.009	100	1.00	23.22	23.50	1.067	0.010
		Back	20600	844.0	0.630	0.018	100	1.00	23.22	23.50	1.067	0.019
		Left	20600	844.0	-0.610	0.013	100	1.00	23.22	23.50	1.067	0.014
		Top	20600	844.0	-0.890	0.003	100	1.00	23.22	23.50	1.067	0.003
	50%RB	Front	20450	829.0	4.560	0.016	100	1.00	23.22	23.50	1.067	0.017
		Back	20450	829.0	4.790	0.003	100	1.00	23.22	23.50	1.067	0.003
		Left	20450	829.0	3.770	0.004	100	1.00	23.22	23.50	1.067	0.004
		Top	20450	829.0	2.340	0.002	100	1.00	23.22	23.50	1.067	0.002



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n78 (BW: 10MHz)	1RB	Left Cheek	20600	844.0	3.210	0.047	100	1.00	23.29	23.50	1.050	0.049
		Left Tilt	20600	844.0	-4.390	0.084	100	1.00	23.29	23.50	1.050	0.088
		Right Cheek	20600	844.0	4.380	0.061	100	1.00	23.29	23.50	1.050	0.064
		Right Tilt	20600	844.0	2.360	0.094	100	1.00	23.29	23.50	1.050	0.099
	50%RB	Left Cheek	20450	829.0	4.950	0.048	100	1.00	23.29	23.50	1.050	0.050
		Left Tilt	20450	829.0	-2.840	0.028	100	1.00	23.29	23.50	1.050	0.029
		Right Cheek	20450	829.0	0.490	0.083	100	1.00	23.29	23.50	1.050	0.087
		Right Tilt	20450	829.0	2.060	0.045	100	1.00	23.29	23.50	1.050	0.047
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n78 (BW: 10MHz)	1RB	Front	20600	844.0	4.020	0.013	100	1.00	23.29	23.50	1.050	0.014
		Back	20600	844.0	-4.670	0.022	100	1.00	23.29	23.50	1.050	0.023
		Left	20600	844.0	3.750	0.014	100	1.00	23.29	23.50	1.050	0.015
		Top	20600	844.0	3.880	0.011	100	1.00	23.29	23.50	1.050	0.012
	50%RB	Front	20450	829.0	-0.440	0.019	100	1.00	23.29	23.50	1.050	0.020
		Back	20450	829.0	-0.690	0.004	100	1.00	23.29	23.50	1.050	0.004
		Left	20450	829.0	-1.170	0.005	100	1.00	23.29	23.50	1.050	0.005
		Top	20450	829.0	-0.850	0.004	100	1.00	23.29	23.50	1.050	0.004



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n7 (BW: 20MHz)	1RB	Left Cheek	21100	2535.0	1.000	0.306	100	1.00	23.98	24.00	1.005	0.307
		Left Tilt	21100	2535.0	3.340	0.403	100	1.00	23.98	24.00	1.005	0.405
		Right Cheek	21100	2535.0	4.680	0.436	100	1.00	23.98	24.00	1.005	0.438
		Right Tilt	21100	2535.0	-2.130	0.511	100	1.00	23.98	24.00	1.005	0.513
	50%RB	Left Cheek	20850	2510.0	-4.970	0.464	100	1.00	23.98	24.00	1.005	0.466
		Left Tilt	20850	2510.0	2.520	0.456	100	1.00	23.98	24.00	1.005	0.458
		Right Cheek	20850	2510.0	1.630	0.492	100	1.00	23.98	24.00	1.005	0.494
		Right Tilt	20850	2510.0	4.170	0.480	100	1.00	23.98	24.00	1.005	0.482
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n7 (BW: 20MHz)	1RB	Front	21100	2535.0	4.130	0.103	100	1.00	23.98	24.00	1.005	0.103
		Back	21100	2535.0	-2.160	0.151	100	1.00	23.98	24.00	1.005	0.152
		Left	21100	2535.0	-1.300	0.102	100	1.00	23.98	24.00	1.005	0.102
		Top	21100	2535.0	2.270	0.029	100	1.00	23.98	24.00	1.005	0.029
	50%RB	Front	20850	2510.0	-3.410	0.097	100	1.00	23.98	24.00	1.005	0.097
		Back	20850	2510.0	-3.670	0.008	100	1.00	23.98	24.00	1.005	0.008
		Left	20850	2510.0	-3.790	0.122	100	1.00	23.98	24.00	1.005	0.123
		Top	20850	2510.0	-1.330	0.135	100	1.00	23.98	24.00	1.005	0.136



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n66 (BW: 20MHz)	1RB	Left Cheek	21100	2535.0	2.920	0.285	100	1.00	23.69	24.00	1.074	0.306
		Left Tilt	21100	2535.0	3.550	0.383	100	1.00	23.69	24.00	1.074	0.411
		Right Cheek	21100	2535.0	-1.700	0.441	100	1.00	23.69	24.00	1.074	0.474
		Right Tilt	21100	2535.0	-1.480	0.637	100	1.00	23.69	24.00	1.074	0.684
	50%RB	Left Cheek	20850	2510.0	3.930	0.602	100	1.00	23.69	24.00	1.074	0.647
		Left Tilt	20850	2510.0	-2.710	0.569	100	1.00	23.69	24.00	1.074	0.611
		Right Cheek	20850	2510.0	2.310	0.611	100	1.00	23.69	24.00	1.074	0.656
		Right Tilt	20850	2510.0	-2.630	0.599	100	1.00	23.69	24.00	1.074	0.643
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n66 (BW: 20MHz)	1RB	Front	21100	2535.0	-2.080	0.195	100	1.00	23.69	24.00	1.074	0.209
		Back	21100	2535.0	-2.410	0.329	100	1.00	23.69	24.00	1.074	0.353
		Left	21100	2535.0	-2.100	0.223	100	1.00	23.69	24.00	1.074	0.239
		Top	21100	2535.0	-0.520	0.089	100	1.00	23.69	24.00	1.074	0.096
	50%RB	Front	20850	2510.0	4.430	0.238	100	1.00	23.69	24.00	1.074	0.256
		Back	20850	2510.0	2.210	0.022	100	1.00	23.69	24.00	1.074	0.024
		Left	20850	2510.0	-4.460	0.311	100	1.00	23.69	24.00	1.074	0.334
		Top	20850	2510.0	4.720	0.314	100	1.00	23.69	24.00	1.074	0.337



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n77 (BW: 20MHz)	1RB	Left Cheek	21100	2535.0	4.420	0.274	100	1.00	23.29	23.50	1.050	0.288
		Left Tilt	21100	2535.0	4.240	0.116	100	1.00	23.29	23.50	1.050	0.122
		Right Cheek	21100	2535.0	4.540	0.472	100	1.00	23.29	23.50	1.050	0.495
		Right Tilt	21100	2535.0	-4.960	0.189	100	1.00	23.29	23.50	1.050	0.198
	50%RB	Left Cheek	20850	2510.0	3.150	0.141	100	1.00	23.29	23.50	1.050	0.148
		Left Tilt	20850	2510.0	-2.510	0.137	100	1.00	23.29	23.50	1.050	0.144
		Right Cheek	20850	2510.0	3.700	0.162	100	1.00	23.29	23.50	1.050	0.170
		Right Tilt	20850	2510.0	4.770	0.148	100	1.00	23.29	23.50	1.050	0.155
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n77 (BW: 20MHz)	1RB	Front	21100	2535.0	4.560	0.085	100	1.00	23.29	23.50	1.050	0.089
		Back	21100	2535.0	4.660	0.091	100	1.00	23.29	23.50	1.050	0.096
		Left	21100	2535.0	0.050	0.076	100	1.00	23.29	23.50	1.050	0.080
		Top	21100	2535.0	2.810	0.061	100	1.00	23.29	23.50	1.050	0.064
	50%RB	Front	20850	2510.0	-4.420	0.088	100	1.00	23.29	23.50	1.050	0.092
		Back	20850	2510.0	-3.850	0.005	100	1.00	23.29	23.50	1.050	0.005
		Left	20850	2510.0	-1.120	0.077	100	1.00	23.29	23.50	1.050	0.081
		Top	20850	2510.0	-1.260	0.079	100	1.00	23.29	23.50	1.050	0.083



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n78 (BW: 20MHz)	1RB	Left Cheek	21100	2535.0	-1.700	0.180	100	1.00	24.04	24.50	1.112	0.200
		Left Tilt	21100	2535.0	4.950	0.119	100	1.00	24.04	24.50	1.112	0.132
		Right Cheek	21100	2535.0	4.650	0.078	100	1.00	24.04	24.50	1.112	0.087
		Right Tilt	21100	2535.0	-4.010	0.050	100	1.00	24.04	24.50	1.112	0.056
	50%RB	Left Cheek	20850	2510.0	2.730	0.134	100	1.00	24.04	24.50	1.112	0.149
		Left Tilt	20850	2510.0	-2.610	0.111	100	1.00	24.04	24.50	1.112	0.123
		Right Cheek	20850	2510.0	-4.630	0.166	100	1.00	24.04	24.50	1.112	0.185
		Right Tilt	20850	2510.0	-0.120	0.134	100	1.00	24.04	24.50	1.112	0.149
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n78 (BW: 20MHz)	1RB	Front	21100	2535.0	-4.020	0.021	100	1.00	24.04	24.50	1.112	0.023
		Back	21100	2535.0	-4.760	0.034	100	1.00	24.04	24.50	1.112	0.038
		Left	21100	2535.0	1.920	0.026	100	1.00	24.04	24.50	1.112	0.029
		Top	21100	2535.0	-2.390	0.010	100	1.00	24.04	24.50	1.112	0.011
	50%RB	Front	20850	2510.0	3.240	0.029	100	1.00	24.04	24.50	1.112	0.032
		Back	20850	2510.0	0.060	0.004	100	1.00	24.04	24.50	1.112	0.004
		Left	20850	2510.0	2.260	0.015	100	1.00	24.04	24.50	1.112	0.017
		Top	20850	2510.0	2.820	0.019	100	1.00	24.04	24.50	1.112	0.021



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
38-n78 (BW: 20MHz)	1RB	Left Cheek	38150	2610.0	4.290	0.139	100	1.00	23.87	24.00	1.030	0.143
		Left Tilt	38150	2610.0	-1.450	0.101	100	1.00	23.87	24.00	1.030	0.104
		Right Cheek	38150	2610.0	1.230	0.036	100	1.00	23.87	24.00	1.030	0.037
		Right Tilt	38150	2610.0	4.040	0.031	100	1.00	23.87	24.00	1.030	0.032
	50%RB	Left Cheek	37850	2580.0	4.970	0.100	100	1.00	23.87	24.00	1.030	0.103
		Left Tilt	37850	2580.0	1.430	0.088	100	1.00	23.87	24.00	1.030	0.091
		Right Cheek	37850	2580.0	3.030	0.120	100	1.00	23.87	24.00	1.030	0.124
		Right Tilt	37850	2580.0	3.710	0.108	100	1.00	23.87	24.00	1.030	0.111
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
38-n78 (BW: 20MHz)	1RB	Front	38150	2610.0	-4.670	0.005	100	1.00	23.87	24.00	1.030	0.005
		Back	38150	2610.0	4.180	0.016	100	1.00	23.87	24.00	1.030	0.016
		Left	38150	2610.0	3.860	0.003	100	1.00	23.87	24.00	1.030	0.003
		Top	38150	2610.0	-3.110	0.011	100	1.00	23.87	24.00	1.030	0.011
	50%RB	Front	37850	2580.0	-0.070	0.013	100	1.00	23.87	24.00	1.030	0.013
		Back	37850	2580.0	0.860	0.010	100	1.00	23.87	24.00	1.030	0.010
		Left	37850	2580.0	4.530	0.080	100	1.00	23.87	24.00	1.030	0.082
		Top	37850	2580.0	4.740	0.050	100	1.00	23.87	24.00	1.030	0.052



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n41 (BW: 20MHz)	1RB	Left Cheek	41490	2680.0	0.130	0.050	100	1.00	24.44	24.50	1.014	0.051
		Left Tilt	41490	2680.0	-1.130	0.093	100	1.00	24.44	24.50	1.014	0.094
		Right Cheek	41490	2680.0	3.010	0.128	100	1.00	24.44	24.50	1.014	0.130
		Right Tilt	41490	2680.0	1.210	0.196	100	1.00	24.44	24.50	1.014	0.199
	50%RB	Left Cheek	39750	2506.0	-0.900	0.165	100	1.00	24.44	24.50	1.014	0.167
		Left Tilt	39750	2506.0	-4.220	0.133	100	1.00	24.44	24.50	1.014	0.135
		Right Cheek	39750	2506.0	2.950	0.177	100	1.00	24.44	24.50	1.014	0.179
		Right Tilt	39750	2506.0	-3.890	0.162	100	1.00	24.44	24.50	1.014	0.164
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n41 (BW: 20MHz)	1RB	Front	41490	2680.0	-4.720	0.048	100	1.00	24.44	24.50	1.014	0.049
		Back	41490	2680.0	1.300	0.085	100	1.00	24.44	24.50	1.014	0.086
		Left	41490	2680.0	-3.670	0.062	100	1.00	24.44	24.50	1.014	0.063
		Top	41490	2680.0	4.400	0.019	100	1.00	24.44	24.50	1.014	0.019
	50%RB	Front	39750	2506.0	3.280	0.073	100	1.00	24.44	24.50	1.014	0.074
		Back	39750	2506.0	-0.510	0.009	100	1.00	24.44	24.50	1.014	0.009
		Left	39750	2506.0	4.940	0.066	100	1.00	24.44	24.50	1.014	0.067
		Top	39750	2506.0	2.150	0.073	100	1.00	24.44	24.50	1.014	0.074



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n77 (BW: 20MHz)	1RB	Left Cheek	41490	2680.0	-4.300	0.077	100	1.00	24.02	24.50	1.117	0.086
		Left Tilt	41490	2680.0	-4.510	0.106	100	1.00	24.02	24.50	1.117	0.118
		Right Cheek	41490	2680.0	-4.330	0.031	100	1.00	24.02	24.50	1.117	0.035
		Right Tilt	41490	2680.0	4.050	0.045	100	1.00	24.02	24.50	1.117	0.050
	50%RB	Left Cheek	39750	2506.0	3.360	0.091	100	1.00	24.02	24.50	1.117	0.102
		Left Tilt	39750	2506.0	-3.300	0.080	100	1.00	24.02	24.50	1.117	0.089
		Right Cheek	39750	2506.0	-3.340	0.072	100	1.00	24.02	24.50	1.117	0.080
		Right Tilt	39750	2506.0	-2.530	0.058	100	1.00	24.02	24.50	1.117	0.065
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n77 (BW: 20MHz)	1RB	Front	41490	2680.0	3.470	0.007	100	1.00	24.02	24.50	1.117	0.008
		Back	41490	2680.0	4.800	0.018	100	1.00	24.02	24.50	1.117	0.020
		Left	41490	2680.0	0.380	0.004	100	1.00	24.02	24.50	1.117	0.004
		Top	41490	2680.0	1.640	0.010	100	1.00	24.02	24.50	1.117	0.011
	50%RB	Front	39750	2506.0	3.070	0.009	100	1.00	24.02	24.50	1.117	0.010
		Back	39750	2506.0	1.590	0.007	100	1.00	24.02	24.50	1.117	0.008
		Left	39750	2506.0	-4.370	0.005	100	1.00	24.02	24.50	1.117	0.006
		Top	39750	2506.0	3.150	0.003	100	1.00	24.02	24.50	1.117	0.003



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n78 (BW: 20MHz)	1RB	Left Cheek	41490	2680.0	0.190	0.108	100	1.00	23.92	24.00	1.019	0.110
		Left Tilt	41490	2680.0	0.020	0.147	100	1.00	23.92	24.00	1.019	0.150
		Right Cheek	41490	2680.0	2.470	0.070	100	1.00	23.92	24.00	1.019	0.071
		Right Tilt	41490	2680.0	3.430	0.103	100	1.00	23.92	24.00	1.019	0.105
	50%RB	Left Cheek	39750	2506.0	-4.180	0.135	100	1.00	23.92	24.00	1.019	0.138
		Left Tilt	39750	2506.0	-2.250	0.130	100	1.00	23.92	24.00	1.019	0.132
		Right Cheek	39750	2506.0	-0.370	0.118	100	1.00	23.92	24.00	1.019	0.120
		Right Tilt	39750	2506.0	2.370	0.120	100	1.00	23.92	24.00	1.019	0.122
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n78 (BW: 20MHz)	1RB	Front	41490	2680.0	0.890	0.011	100	1.00	23.92	24.00	1.019	0.011
		Back	41490	2680.0	2.750	0.020	100	1.00	23.92	24.00	1.019	0.020
		Left	41490	2680.0	0.020	0.016	100	1.00	23.92	24.00	1.019	0.016
		Top	41490	2680.0	0.720	0.003	100	1.00	23.92	24.00	1.019	0.003
	50%RB	Front	39750	2506.0	4.230	0.013	100	1.00	23.92	24.00	1.019	0.013
		Back	39750	2506.0	4.220	0.002	100	1.00	23.92	24.00	1.019	0.002
		Left	39750	2506.0	3.770	0.005	100	1.00	23.92	24.00	1.019	0.005
		Top	39750	2506.0	-1.160	0.004	100	1.00	23.92	24.00	1.019	0.004



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n7 (BW: 20MHz)	1RB	Left Cheek	132572	1770.0	-2.630	0.288	100	1.00	23.27	23.50	1.054	0.304
		Left Tilt	132572	1770.0	0.640	0.102	100	1.00	23.27	23.50	1.054	0.108
		Right Cheek	132572	1770.0	-3.580	0.258	100	1.00	23.27	23.50	1.054	0.272
		Right Tilt	132572	1770.0	3.330	0.090	100	1.00	23.27	23.50	1.054	0.095
	50%RB	Left Cheek	132322	1720.0	-0.710	0.241	100	1.00	23.27	23.50	1.054	0.254
		Left Tilt	132322	1720.0	4.230	0.222	100	1.00	23.27	23.50	1.054	0.234
		Right Cheek	132322	1720.0	-4.730	0.263	100	1.00	23.27	23.50	1.054	0.277
		Right Tilt	132322	1720.0	1.960	0.250	100	1.00	23.27	23.50	1.054	0.264
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n7 (BW: 20MHz)	1RB	Front	132572	1770.0	-3.220	0.073	100	1.00	23.27	23.50	1.054	0.077
		Back	132572	1770.0	-4.180	0.155	100	1.00	23.27	23.50	1.054	0.163
		Left	132572	1770.0	-4.430	0.028	100	1.00	23.27	23.50	1.054	0.030
		Top	132572	1770.0	-3.990	0.137	100	1.00	23.27	23.50	1.054	0.144
	50%RB	Front	132322	1720.0	3.020	0.079	100	1.00	23.27	23.50	1.054	0.083
		Back	132322	1720.0	1.760	0.025	100	1.00	23.27	23.50	1.054	0.026
		Left	132322	1720.0	-0.940	0.143	100	1.00	23.27	23.50	1.054	0.151
		Top	132322	1720.0	-0.930	0.134	100	1.00	23.27	23.50	1.054	0.141



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n38 (BW: 20MHz)	1RB	Left Cheek	132572	1770.0	-3.670	0.232	100	1.00	23.74	24.00	1.062	0.246
		Left Tilt	132572	1770.0	-2.560	0.173	100	1.00	23.74	24.00	1.062	0.184
		Right Cheek	132572	1770.0	-0.530	0.259	100	1.00	23.74	24.00	1.062	0.275
		Right Tilt	132572	1770.0	3.850	0.247	100	1.00	23.74	24.00	1.062	0.262
	50%RB	Left Cheek	132322	1720.0	4.930	0.205	100	1.00	23.74	24.00	1.062	0.218
		Left Tilt	132322	1720.0	-1.940	0.191	100	1.00	23.74	24.00	1.062	0.203
		Right Cheek	132322	1720.0	-4.320	0.226	100	1.00	23.74	24.00	1.062	0.240
		Right Tilt	132322	1720.0	-4.750	0.199	100	1.00	23.74	24.00	1.062	0.211
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n38 (BW: 20MHz)	1RB	Front	132572	1770.0	-2.630	0.086	100	1.00	23.74	24.00	1.062	0.091
		Back	132572	1770.0	-4.780	0.153	100	1.00	23.74	24.00	1.062	0.162
		Left	132572	1770.0	-4.880	0.028	100	1.00	23.74	24.00	1.062	0.030
		Top	132572	1770.0	-2.330	0.109	100	1.00	23.74	24.00	1.062	0.116
	50%RB	Front	132322	1720.0	-0.510	0.090	100	1.00	23.74	24.00	1.062	0.096
		Back	132322	1720.0	-1.720	0.027	100	1.00	23.74	24.00	1.062	0.029
		Left	132322	1720.0	-0.720	0.138	100	1.00	23.74	24.00	1.062	0.147
		Top	132322	1720.0	-1.990	0.126	100	1.00	23.74	24.00	1.062	0.134



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n41 (BW: 20MHz)	1RB	Left Cheek	132572	1770	-1.000	0.235	100	1.00	25.38	25.50	1.028	0.242
		Left Tilt	132572	1770	-0.660	0.145	100	1.00	25.38	25.50	1.028	0.149
		Right Cheek	132572	1770	0.540	0.203	100	1.00	25.38	25.50	1.028	0.209
		Right Tilt	132572	1770	-2.440	0.182	100	1.00	25.38	25.50	1.028	0.187
	50%RB	Left Cheek	132322	1720	-4.590	0.191	100	1.00	25.38	25.50	1.028	0.196
		Left Tilt	132322	1720	-4.040	0.165	100	1.00	25.38	25.50	1.028	0.170
		Right Cheek	132322	1720	1.270	0.188	100	1.00	25.38	25.50	1.028	0.193
		Right Tilt	132322	1720	3.290	0.166	100	1.00	25.38	25.50	1.028	0.171
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n41 (BW: 20MHz)	1RB	Front	132572	1770	3.160	0.315	100	1.00	25.38	25.50	1.028	0.324
		Back	132572	1770	-4.570	0.487	100	1.00	25.38	25.50	1.028	0.501
		Left	132572	1770	0.970	0.409	100	1.00	25.38	25.50	1.028	0.420
		Top	132572	1770	1.190	0.230	100	1.00	25.38	25.50	1.028	0.236
	50%RB	Front	132322	1720	1.560	0.376	100	1.00	25.38	25.50	1.028	0.387
		Back	132322	1720	1.390	0.450	100	1.00	25.38	25.50	1.028	0.463
		Left	132322	1720	-1.450	0.439	100	1.00	25.38	25.50	1.028	0.451
		Top	132322	1720	-4.750	0.415	100	1.00	25.38	25.50	1.028	0.427



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n66 (BW: 20MHz)	1RB	Left Cheek	132572	1770.0	-3.400	0.329	100	1.00	23.15	23.50	1.084	0.357
		Left Tilt	132572	1770.0	3.390	0.175	100	1.00	23.15	23.50	1.084	0.190
		Right Cheek	132572	1770.0	0.620	0.471	100	1.00	23.15	23.50	1.084	0.511
		Right Tilt	132572	1770.0	-3.930	0.272	100	1.00	23.15	23.50	1.084	0.295
	50%RB	Left Cheek	132322	1720.0	-0.920	0.227	100	1.00	23.15	23.50	1.084	0.246
		Left Tilt	132322	1720.0	3.150	0.213	100	1.00	23.15	23.50	1.084	0.231
		Right Cheek	132322	1720.0	3.990	0.253	100	1.00	23.15	23.50	1.084	0.274
		Right Tilt	132322	1720.0	-1.190	0.240	100	1.00	23.15	23.50	1.084	0.260
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n66 (BW: 20MHz)	1RB	Front	132572	1770.0	0.100	0.096	100	1.00	23.15	23.50	1.084	0.104
		Back	132572	1770.0	1.530	0.242	100	1.00	23.15	23.50	1.084	0.262
		Left	132572	1770.0	3.590	0.170	100	1.00	23.15	23.50	1.084	0.184
		Top	132572	1770.0	1.640	0.032	100	1.00	23.15	23.50	1.084	0.035
	50%RB	Front	132322	1720.0	-4.540	0.148	100	1.00	23.15	23.50	1.084	0.160
		Back	132322	1720.0	2.630	0.018	100	1.00	23.15	23.50	1.084	0.020
		Left	132322	1720.0	1.160	0.205	100	1.00	23.15	23.50	1.084	0.222
		Top	132322	1720.0	3.300	0.162	100	1.00	23.15	23.50	1.084	0.176



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n77 (BW: 20MHz)	1RB	Left Cheek	132572	1770.0	4.070	0.213	100	1.00	23.72	24.00	1.067	0.227
		Left Tilt	132572	1770.0	1.410	0.137	100	1.00	23.72	24.00	1.067	0.146
		Right Cheek	132572	1770.0	-1.880	0.396	100	1.00	23.72	24.00	1.067	0.422
		Right Tilt	132572	1770.0	0.080	0.206	100	1.00	23.72	24.00	1.067	0.220
	50%RB	Left Cheek	132322	1720.0	2.950	0.161	100	1.00	23.72	24.00	1.067	0.172
		Left Tilt	132322	1720.0	-2.580	0.138	100	1.00	23.72	24.00	1.067	0.147
		Right Cheek	132322	1720.0	-0.070	0.177	100	1.00	23.72	24.00	1.067	0.189
		Right Tilt	132322	1720.0	-0.900	0.173	100	1.00	23.72	24.00	1.067	0.185
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n77 (BW: 20MHz)	1RB	Front	132572	1770.0	-1.770	0.056	100	1.00	23.72	24.00	1.067	0.060
		Back	132572	1770.0	-2.070	0.196	100	1.00	23.72	24.00	1.067	0.209
		Left	132572	1770.0	-4.660	0.127	100	1.00	23.72	24.00	1.067	0.135
		Top	132572	1770.0	0.300	0.033	100	1.00	23.72	24.00	1.067	0.035
	50%RB	Front	132322	1720.0	1.270	0.138	100	1.00	23.72	24.00	1.067	0.147
		Back	132322	1720.0	-4.460	0.012	100	1.00	23.72	24.00	1.067	0.013
		Left	132322	1720.0	0.390	0.177	100	1.00	23.72	24.00	1.067	0.189
		Top	132322	1720.0	-4.850	0.176	100	1.00	23.72	24.00	1.067	0.188



Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n78 (BW: 20MHz)	1RB	Left Cheek	132572	1770.0	0.730	0.212	100	1.00	23.48	23.50	1.005	0.213
		Left Tilt	132572	1770.0	1.670	0.130	100	1.00	23.48	23.50	1.005	0.131
		Right Cheek	132572	1770.0	0.170	0.354	100	1.00	23.48	23.50	1.005	0.356
		Right Tilt	132572	1770.0	4.230	0.233	100	1.00	23.48	23.50	1.005	0.234
	50%RB	Left Cheek	132322	1720.0	-4.760	0.199	100	1.00	23.48	23.50	1.005	0.200
		Left Tilt	132322	1720.0	-1.600	0.181	100	1.00	23.48	23.50	1.005	0.182
		Right Cheek	132322	1720.0	1.400	0.222	100	1.00	23.48	23.50	1.005	0.223
		Right Tilt	132322	1720.0	0.740	0.189	100	1.00	23.48	23.50	1.005	0.190
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n78 (BW: 20MHz)	1RB	Front	132572	1770.0	-1.650	0.081	100	1.00	23.48	23.50	1.005	0.081
		Back	132572	1770.0	-4.810	0.183	100	1.00	23.48	23.50	1.005	0.184
		Left	132572	1770.0	4.220	0.138	100	1.00	23.48	23.50	1.005	0.139
		Top	132572	1770.0	2.890	0.039	100	1.00	23.48	23.50	1.005	0.039
	50%RB	Front	132322	1720.0	-1.150	0.157	100	1.00	23.48	23.50	1.005	0.158
		Back	132322	1720.0	1.210	0.018	100	1.00	23.48	23.50	1.005	0.018
		Left	132322	1720.0	0.180	0.148	100	1.00	23.48	23.50	1.005	0.149
		Top	132322	1720.0	3.550	0.105	100	1.00	23.48	23.50	1.005	0.105



10.3.4 Results overview of Wifi

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2.4g (2.4~2.4835) 802.11b	Left Cheek	11	2462	4.320	0.210	100	1.00	18.44	18.50	1.014	0.213
	Left Tilt	11	2462	4.260	0.300	100	1.00	18.44	18.50	1.014	0.304
	Right Cheek	11	2462	-0.730	0.171	100	1.00	18.44	18.50	1.014	0.173
	Right Tilt	11	2462	-4.880	0.193	100	1.00	18.44	18.50	1.014	0.196
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2.4g (2.4~2.4835) 802.11b	Front	11	2462	4.310	0.069	100	1.00	18.44	18.50	1.014	0.070
	Back	11	2462	-0.430	0.133	100	1.00	18.44	18.50	1.014	0.135
	Right	11	2462	3.670	0.053	100	1.00	18.44	18.50	1.014	0.054
	Bottom	11	2462	-1.670	0.037	100	1.00	18.44	18.50	1.014	0.038



Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band1 5180-5240	Left Cheek	36	5180	-0.570	0.080	100	1.00	16.98	17.00	1.005	0.080
	Left Tilt	36	5180	-3.930	0.131	100	1.00	16.98	17.00	1.005	0.132
	Right Cheek	36	5180	-4.110	0.073	100	1.00	16.98	17.00	1.005	0.073
	Right Tilt	36	5180	0.410	0.114	100	1.00	16.98	17.00	1.005	0.115
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band1 5180-5240	Front	36	5180	-3.690	0.030	100	1.00	16.98	17.00	1.005	0.030
	Back	36	5180	1.720	0.054	100	1.00	16.98	17.00	1.005	0.054
	Right	36	5180	4.530	0.013	100	1.00	16.98	17.00	1.005	0.013
	Bottom	36	5180	2.390	0.041	100	1.00	16.98	17.00	1.005	0.041

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band2 5260-5320	Left Cheek	64	5320	0.190	0.176	100	1.00	16.93	17.00	1.016	0.179
	Left Tilt	64	5320	0.190	0.264	100	1.00	16.93	17.00	1.016	0.268
	Right Cheek	64	5320	2.470	0.162	100	1.00	16.93	17.00	1.016	0.165
	Right Tilt	64	5320	3.430	0.197	100	1.00	16.93	17.00	1.016	0.200
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band2 5260-5320	Front	64	5320	0.890	0.149	100	1.00	16.93	17.00	1.016	0.151
	Back	64	5320	0.890	0.188	100	1.00	16.93	17.00	1.016	0.191
	Right	64	5320	0.020	0.113	100	1.00	16.93	17.00	1.016	0.115
	Bottom	64	5320	0.720	0.137	100	1.00	16.93	17.00	1.016	0.139



Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band3 5500-5700	Left Cheek	140	5700	-1.840	0.267	100	1.00	16.52	17.00	1.117	0.298
	Left Tilt	140	5700	-0.720	0.270	100	1.00	16.52	17.00	1.117	0.302
	Right Cheek	140	5700	-4.440	0.175	100	1.00	16.52	17.00	1.117	0.195
	Right Tilt	140	5700	-1.430	0.259	100	1.00	16.52	17.00	1.117	0.289
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band3 5500-5700	Front	140	5700	-4.610	0.105	100	1.00	16.52	17.00	1.117	0.117
	Back	140	5700	-2.710	0.166	100	1.00	16.52	17.00	1.117	0.185
	Right	140	5700	-4.950	0.029	100	1.00	16.52	17.00	1.117	0.032
	Bottom	140	5700	4.710	0.134	100	1.00	16.52	17.00	1.117	0.150

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band4 5745-5825	Left Cheek	149	5745	-0.030	0.197	100	1.00	17.03	17.50	1.114	0.220
	Left Tilt	149	5745	-4.680	0.255	100	1.00	17.03	17.50	1.114	0.284
	Right Cheek	149	5745	1.020	0.161	100	1.00	17.03	17.50	1.114	0.179
	Right Tilt	149	5745	-3.980	0.226	100	1.00	17.03	17.50	1.114	0.252
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band4 5745-5825	Front	149	5745	-3.580	0.067	100	1.00	17.03	17.50	1.114	0.075
	Back	149	5745	2.360	0.159	100	1.00	17.03	17.50	1.114	0.177
	Right	149	5745	1.230	0.030	100	1.00	17.03	17.50	1.114	0.033
	Bottom	149	5745	3.260	0.121	100	1.00	17.03	17.50	1.114	0.135





Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Bluetooth	Left Cheek	0	2402	0.190	0.114	100	1.00	8.99	9.00	1.002	0.114
	Left Tilt	0	2402	0.160	0.144	100	1.00	8.99	9.00	1.002	0.144
	Right Cheek	0	2402	-0.200	0.103	100	1.00	8.99	9.00	1.002	0.103
	Right Tilt	0	2402	0.010	0.124	100	1.00	8.99	9.00	1.002	0.124
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Bluetooth	Front	0	2402	0.890	0.130	100	1.00	8.99	9.00	1.002	0.130
	Back	0	2402	0.540	0.164	100	1.00	8.99	9.00	1.002	0.164
	Right	0	2402	0.020	0.102	100	1.00	8.99	9.00	1.002	0.102
	Bottom	0	2402	0.720	0.116	100	1.00	8.99	9.00	1.002	0.116

Note:

1. The maximum SAR Value of each test band is marked bold.
2. SAR plot is provided only for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
3. Per KDB 447498 D01 v06, for each exposure position, if the highest output power channel Reported SAR ≤ 0.8 W/kg, other channels SAR testing is not necessary.
4. Per KDB 447498 D01 v06, head/body-worn use is evaluated with the device positioned at 0mm/10 mm from a head/flat phantom respectively filled with head tissue-equivalent medium.
5. Per KDB Publication 941225 D06 where SAR test considerations for handsets (L x W ≥ 9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device with antennas 2.5 cm or closer to the edge of the device, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.
6. Per KDB 447498 D01 v06, the report SAR is measured SAR value adjusted for maximum tune-up tolerance. Scaling Factor = $10^{[(\text{tune-up limit power (dBm)} - \text{Ave. power power (dBm)})/10]}$, where tune-up limit is the maximum rated power among all production units.
7. Reported SAR(W/kg) = Measured SAR (W/kg) * Scaling Factor.





11 Multiple Transmitter Information

The SAR measurement positions of each side are as below:



< Rear Side >

Mode	Front side	Rear side	Left side	Right side	Top side	Bottom side
2G/3G/4G Antenna	Yes	Yes	Yes	No	No	Yes
Wi-Fi/BT Antenna	Yes	Yes	Yes	No	No	Yes

1) Per KDB941225 D06v01r01, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.



11.1.1 Stand-alone SAR test exclusion

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances $\leq$ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

a) Head position

Mode	Pmax(dBm)	Pmax(mW)	Distance(mm)	f(GHz)	Calculation Result	exclusion Threshold	SAR test exclusion
BT	8.99	7.93	5.00	2.45	2.45	3.00	Yes

Body-Worn position

Mode	Pmax(dBm)	Pmax(mW)	Distance(mm)	f(GHz)	Calculation Result	exclusion Threshold	SAR test exclusion
BT	8.99	7.93	10.00	2.45	1.24	3.00	Yes



When the standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to determine simultaneous transmission SAR test exclusion

(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm) $\cdot [\sqrt{f(\text{GHz})/x}]$ W/kg for test separation distances ≤ 50 mm, where $x = 7.5$ for 1-g SAR.

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Mode	Position	Pmax(dBm)	Pmax(mW)	Distance(mm)	f(GHz)	X	Estimated SAR(W/Kg)
BT	Head	8.99	7.93	5.00	2.45	7.50	0.331
BT	Body	8.99	7.93	10.00	2.45	7.50	0.165

11.1.2 Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities are as below:

Simultaneous Transmission Possibilities				
Simultaneous Tx Combination	Configuration	Head	Body	Hotspot
1	GSM/GPRS/UMTS/LTE +Wi-Fi	YES	YES	YES
2	GSM/GPRS/UMTS/LTE +BT	YES	NO	NO

Note: The device does not support simultaneous BT and Wi-Fi ,because the BT and Wi-Fi share the same antenna and can't transmit simultaneously.



11.1.3 SAR Summation Scenario

Head

Band	Test Position	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 3) SAR 1g(W/kg)			
GSM850 (voice)	Left Cheek	0.147	0.213	0.298	0.114	0.360	1.6
	Left Tilt	0.174	0.304	0.302	0.144	0.478	
	Right Cheek	0.179	0.173	0.195	0.103	0.352	
	Right Tilt	0.330	0.196	0.289	0.124	0.526	
GSM1900 (voice)	Left Cheek	0.181	0.213	0.298	0.114	0.394	
	Left Tilt	0.292	0.304	0.302	0.144	0.596	
	Right Cheek	0.221	0.173	0.195	0.103	0.394	
	Right Tilt	0.431	0.196	0.289	0.124	0.627	
WCDMA Band 2	Left Cheek	0.228	0.213	0.298	0.114	0.441	
	Left Tilt	0.197	0.304	0.302	0.144	0.501	
	Right Cheek	0.287	0.173	0.195	0.103	0.460	
	Right Tilt	0.172	0.196	0.289	0.124	0.368	
WCDMA Band 4	Left Cheek	0.297	0.213	0.298	0.114	0.510	
	Left Tilt	0.391	0.304	0.302	0.144	0.695	
	Right Cheek	0.348	0.173	0.195	0.103	0.521	
	Right Tilt	0.648	0.196	0.289	0.124	0.844	
WCDMA Band 5	Left Cheek	0.180	0.213	0.298	0.114	0.393	
	Left Tilt	0.302	0.304	0.302	0.144	0.606	
	Right Cheek	0.259	0.173	0.195	0.103	0.432	
	Right Tilt	0.588	0.196	0.289	0.124	0.784	



Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WiFi2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 3) 1g(W/kg)			
LTE Band 2 QPSK (20MHz)	Left Cheek	1RB	0.191	0.213	0.298	0.114	0.404	1.6
	Left Tilt		0.065	0.304	0.302	0.144	0.369	
	Right Cheek		0.215	0.173	0.195	0.103	0.388	
	Right Tilt		0.122	0.196	0.289	0.124	0.318	
	Left Cheek	50%RB	0.144	0.213	0.298	0.114	0.357	
	Left Tilt		0.117	0.304	0.302	0.144	0.421	
	Right Cheek		0.096	0.173	0.195	0.103	0.269	
	Right Tilt		0.144	0.196	0.289	0.124	0.340	
LTE Band 4 QPSK (20MHz)	Left Cheek	1RB	0.344	0.213	0.298	0.114	0.557	
	Left Tilt		0.433	0.304	0.302	0.144	0.737	
	Right Cheek		0.384	0.173	0.195	0.103	0.557	
	Right Tilt		0.762	0.196	0.289	0.124	0.958	
	Left Cheek	50%RB	0.303	0.213	0.298	0.114	0.516	
	Left Tilt		0.289	0.304	0.302	0.144	0.593	
	Right Cheek		0.262	0.173	0.195	0.103	0.435	
	Right Tilt		0.288	0.196	0.289	0.124	0.484	
LTE Band 5 QPSK (10MHz)	Left Cheek	1RB	0.362	0.213	0.298	0.114	0.575	
	Left Tilt		0.410	0.304	0.302	0.144	0.714	
	Right Cheek		0.341	0.173	0.195	0.103	0.514	
	Right Tilt		0.586	0.196	0.289	0.124	0.782	
	Left Cheek	50%RB	0.326	0.213	0.298	0.114	0.539	
	Left Tilt		0.306	0.304	0.302	0.144	0.610	
	Right Cheek		0.276	0.173	0.195	0.103	0.449	
	Right Tilt		0.315	0.196	0.289	0.124	0.511	
LTE Band 7 QPSK (10MHz)	Left Cheek	1RB	0.145	0.213	0.298	0.114	0.358	
	Left Tilt		0.240	0.304	0.302	0.144	0.544	
	Right Cheek		0.327	0.173	0.195	0.103	0.500	
	Right Tilt		0.651	0.196	0.289	0.124	0.847	
	Left Cheek	50%RB	0.102	0.213	0.298	0.114	0.315	
	Left Tilt		0.085	0.304	0.302	0.144	0.389	
	Right Cheek		0.065	0.173	0.195	0.103	0.238	
	Right Tilt		0.084	0.196	0.289	0.124	0.280	
LTE Band 12 QPSK (10MHz)	Left Cheek	1RB	0.094	0.213	0.298	0.114	0.307	
	Left Tilt		0.136	0.304	0.302	0.144	0.440	
	Right Cheek		0.101	0.173	0.195	0.103	0.274	
	Right Tilt		0.201	0.196	0.289	0.124	0.397	
	Left Cheek	50%RB	0.055	0.213	0.298	0.114	0.268	
	Left Tilt		0.031	0.304	0.302	0.144	0.335	
	Right Cheek		0.036	0.173	0.195	0.103	0.209	
	Right Tilt		0.040	0.196	0.289	0.124	0.236	
LTE Band 17 QPSK (10MHz)	Left Cheek	1RB	0.092	0.213	0.298	0.114	0.305	
	Left Tilt		0.131	0.304	0.302	0.144	0.435	
	Right Cheek		0.103	0.173	0.195	0.103	0.276	
	Right Tilt		0.216	0.196	0.289	0.124	0.412	
	Left Cheek	50%RB	0.038	0.213	0.298	0.114	0.251	
	Left Tilt		0.022	0.304	0.302	0.144	0.326	
	Right Cheek		0.014	0.173	0.195	0.103	0.187	
	Right Tilt		0.033	0.196	0.289	0.124	0.229	
LTE Band 38 QPSK (20MHz)	Left Cheek	1RB	0.236	0.213	0.298	0.114	0.449	
	Left Tilt		0.264	0.304	0.302	0.144	0.568	
	Right Cheek		0.273	0.173	0.195	0.103	0.446	
	Right Tilt		0.618	0.196	0.289	0.124	0.814	
	Left Cheek	50%RB	0.198	0.213	0.298	0.114	0.411	
	Left Tilt		0.166	0.304	0.302	0.144	0.470	
	Right Cheek		0.156	0.173	0.195	0.103	0.329	
	Right Tilt		0.189	0.196	0.289	0.124	0.385	



Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
LTE Band 41 QPSK (20MHz)	Left Cheek	1RB	0.217	0.213	0.298	0.114	0.430	1.6
	Left Tilt		0.262	0.304	0.302	0.144	0.566	
	Right Cheek		0.319	0.173	0.195	0.103	0.492	
	Right Tilt		0.671	0.196	0.289	0.124	0.867	
	Left Cheek	50%RB	0.592	0.213	0.298	0.114	0.805	
	Left Tilt		0.553	0.304	0.302	0.144	0.857	
	Right Cheek		0.541	0.173	0.195	0.103	0.714	
	Right Tilt		0.633	0.196	0.289	0.124	0.829	
LTE Band 42 QPSK (20MHz)	Left Cheek	1RB	0.201	0.213	0.298	0.114	0.414	
	Left Tilt		0.285	0.304	0.302	0.144	0.589	
	Right Cheek		0.420	0.173	0.195	0.103	0.593	
	Right Tilt		0.588	0.196	0.289	0.124	0.784	
	Left Cheek	50%RB	0.158	0.213	0.298	0.114	0.371	
	Left Tilt		0.128	0.304	0.302	0.144	0.432	
	Right Cheek		0.120	0.173	0.195	0.103	0.293	
	Right Tilt		0.151	0.196	0.289	0.124	0.347	
LTE Band 66 QPSK (20MHz)	Left Cheek	1RB	0.239	0.213	0.298	0.114	0.452	
	Left Tilt		0.490	0.304	0.302	0.144	0.794	
	Right Cheek		0.406	0.173	0.195	0.103	0.579	
	Right Tilt		0.815	0.196	0.289	0.124	1.011	
	Left Cheek	50%RB	0.187	0.213	0.298	0.114	0.400	
	Left Tilt		0.170	0.304	0.302	0.144	0.474	
	Right Cheek		0.152	0.173	0.195	0.103	0.325	
	Right Tilt		0.191	0.196	0.289	0.124	0.387	
NR Band 5	Left Cheek	1RB	0.684	0.213	0.298	0.114	0.897	
	Left Tilt		0.680	0.304	0.302	0.144	0.984	
	Right Cheek		0.807	0.173	0.195	0.103	0.980	
	Right Tilt		1.019	0.196	0.289	0.124	1.215	
	Left Cheek	50%RB	0.644	0.213	0.298	0.114	0.857	
	Left Tilt		0.614	0.304	0.302	0.144	0.918	
	Right Cheek		0.590	0.173	0.195	0.103	0.763	
	Right Tilt		0.624	0.196	0.289	0.124	0.820	
NR Band 7	Left Cheek	1RB	0.432	0.213	0.298	0.114	0.645	
	Left Tilt		0.514	0.304	0.302	0.144	0.818	
	Right Cheek		0.529	0.173	0.195	0.103	0.702	
	Right Tilt		0.655	0.196	0.289	0.124	0.851	
	Left Cheek	50%RB	0.379	0.213	0.298	0.114	0.592	
	Left Tilt		0.367	0.304	0.302	0.144	0.671	
	Right Cheek		0.338	0.173	0.195	0.103	0.511	
	Right Tilt		0.381	0.196	0.289	0.124	0.577	
NR Band 12	Left Cheek	1RB	0.129	0.213	0.298	0.114	0.342	
	Left Tilt		0.183	0.304	0.302	0.144	0.487	
	Right Cheek		0.255	0.173	0.195	0.103	0.428	
	Right Tilt		0.398	0.196	0.289	0.124	0.594	
	Left Cheek	50%RB	0.090	0.213	0.298	0.114	0.303	
	Left Tilt		0.065	0.304	0.302	0.144	0.369	
	Right Cheek		0.033	0.173	0.195	0.103	0.206	
	Right Tilt		0.066	0.196	0.289	0.124	0.262	



Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WiFi2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 3) 1g(W/kg)			
NR Band38	Left Cheek	1RB	0.147	0.213	0.298	0.114	0.360	1.6
	Left Tilt		0.175	0.304	0.302	0.144	0.479	
	Right Cheek		0.294	0.173	0.195	0.103	0.467	
	Right Tilt		0.392	0.196	0.289	0.124	0.588	
	Left Cheek	50%RB	0.352	0.213	0.298	0.114	0.565	
	Left Tilt		0.321	0.304	0.302	0.144	0.625	
	Right Cheek		0.310	0.173	0.195	0.103	0.483	
	Right Tilt		0.298	0.196	0.289	0.124	0.494	
NR Band41	Left Cheek	1RB	0.201	0.213	0.298	0.114	0.414	
	Left Tilt		0.237	0.304	0.302	0.144	0.541	
	Right Cheek		0.360	0.173	0.195	0.103	0.533	
	Right Tilt		0.406	0.196	0.289	0.124	0.602	
	Left Cheek	50%RB	0.361	0.213	0.298	0.114	0.574	
	Left Tilt		0.344	0.304	0.302	0.144	0.648	
	Right Cheek		0.324	0.173	0.195	0.103	0.497	
	Right Tilt		0.315	0.196	0.289	0.124	0.511	
NR Band66	Left Cheek	1RB	0.225	0.213	0.298	0.114	0.438	
	Left Tilt		0.325	0.304	0.302	0.144	0.629	
	Right Cheek		0.508	0.173	0.195	0.103	0.681	
	Right Tilt		0.594	0.196	0.289	0.124	0.790	
	Left Cheek	50%RB	0.547	0.213	0.298	0.114	0.760	
	Left Tilt		0.518	0.304	0.302	0.144	0.822	
	Right Cheek		0.500	0.173	0.195	0.103	0.673	
	Right Tilt		0.487	0.196	0.289	0.124	0.683	
NR Band77	Left Cheek	1RB	0.356	0.213	0.298	0.114	0.569	
	Left Tilt		0.447	0.304	0.302	0.144	0.751	
	Right Cheek		0.491	0.173	0.195	0.103	0.664	
	Right Tilt		0.661	0.196	0.289	0.124	0.857	
	Left Cheek	50%RB	0.626	0.213	0.298	0.114	0.839	
	Left Tilt		0.593	0.304	0.302	0.144	0.897	
	Right Cheek		0.581	0.173	0.195	0.103	0.754	
	Right Tilt		0.566	0.196	0.289	0.124	0.762	
NR Band77	Left Cheek	1RB	0.556	0.213	0.298	0.114	0.769	
	Left Tilt		0.570	0.304	0.302	0.144	0.874	
	Right Cheek		0.571	0.173	0.195	0.103	0.744	
	Right Tilt		0.619	0.196	0.289	0.124	0.815	
	Left Cheek	50%RB	0.561	0.213	0.298	0.114	0.774	
	Left Tilt		0.522	0.304	0.302	0.144	0.826	
	Right Cheek		0.450	0.173	0.195	0.103	0.623	
	Right Tilt		0.467	0.196	0.289	0.124	0.663	
NR Band78	Left Cheek	1RB	0.142	0.213	0.298	0.114	0.355	
	Left Tilt		0.208	0.304	0.302	0.144	0.512	
	Right Cheek		0.253	0.173	0.195	0.103	0.426	
	Right Tilt		0.395	0.196	0.289	0.124	0.591	
	Left Cheek	50%RB	0.348	0.213	0.298	0.114	0.561	
	Left Tilt		0.321	0.304	0.302	0.144	0.625	
	Right Cheek		0.302	0.173	0.195	0.103	0.475	
	Right Tilt		0.307	0.196	0.289	0.124	0.503	
NR Band78	Left Cheek	1RB	0.111	0.213	0.298	0.114	0.324	
	Left Tilt		0.120	0.304	0.302	0.144	0.424	
	Right Cheek		0.130	0.173	0.195	0.103	0.303	
	Right Tilt		0.148	0.196	0.289	0.124	0.344	
	Left Cheek	50%RB	0.118	0.213	0.298	0.114	0.331	
	Left Tilt		0.100	0.304	0.302	0.144	0.404	
	Right Cheek		0.070	0.173	0.195	0.103	0.243	
	Right Tilt		0.077	0.196	0.289	0.124	0.273	



Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 3) 1g(W/kg)			
2-n7	Left Cheek	1RB	0.466	0.213	0.298	0.114	0.679	1.6
	Left Tilt		0.638	0.304	0.302	0.144	0.942	
	Right Cheek		0.942	0.173	0.195	0.103	1.115	
	Right Tilt		1.105	0.196	0.289	0.124	1.301	
	Left Cheek	50%RB	1.067	0.213	0.298	0.114	1.280	
	Left Tilt		1.043	0.304	0.302	0.144	1.347	
	Right Cheek		1.026	0.173	0.195	0.103	1.199	
	Right Tilt		1.007	0.196	0.289	0.124	1.203	
2-n66	Left Cheek	1RB	0.647	0.213	0.298	0.114	0.860	
	Left Tilt		0.918	0.304	0.302	0.144	1.222	
	Right Cheek		1.014	0.173	0.195	0.103	1.187	
	Right Tilt		1.196	0.196	0.289	0.124	1.392	
	Left Cheek	50%RB	1.160	0.213	0.298	0.114	1.373	
	Left Tilt		1.129	0.304	0.302	0.144	1.433	
	Right Cheek		1.109	0.173	0.195	0.103	1.282	
	Right Tilt		1.107	0.196	0.289	0.124	1.303	
2-n78	Left Cheek	1RB	0.167	0.213	0.298	0.114	0.380	
	Left Tilt		0.162	0.304	0.302	0.144	0.466	
	Right Cheek		0.332	0.173	0.195	0.103	0.505	
	Right Tilt		0.299	0.196	0.289	0.124	0.495	
	Left Cheek	50%RB	0.259	0.213	0.298	0.114	0.472	
	Left Tilt		0.232	0.304	0.302	0.144	0.536	
	Right Cheek		0.209	0.173	0.195	0.103	0.382	
	Right Tilt		0.206	0.196	0.289	0.124	0.402	
4-n7	Left Cheek	1RB	0.174	0.213	0.298	0.114	0.387	
	Left Tilt		0.278	0.304	0.302	0.144	0.582	
	Right Cheek		0.217	0.173	0.195	0.103	0.390	
	Right Tilt		0.367	0.196	0.289	0.124	0.563	
	Left Cheek	50%RB	0.326	0.213	0.298	0.114	0.539	
	Left Tilt		0.302	0.304	0.302	0.144	0.606	
	Right Cheek		0.282	0.173	0.195	0.103	0.455	
	Right Tilt		0.275	0.196	0.289	0.124	0.471	
4-n38	Left Cheek	1RB	0.310	0.213	0.298	0.114	0.523	
	Left Tilt		0.119	0.304	0.302	0.144	0.423	
	Right Cheek		0.320	0.173	0.195	0.103	0.493	
	Right Tilt		0.213	0.196	0.289	0.124	0.409	
	Left Cheek	50%RB	0.179	0.213	0.298	0.114	0.392	
	Left Tilt		0.146	0.304	0.302	0.144	0.450	
	Right Cheek		0.131	0.173	0.195	0.103	0.304	
	Right Tilt		0.119	0.196	0.289	0.124	0.315	
4-n41	Left Cheek	1RB	0.248	0.213	0.298	0.114	0.461	
	Left Tilt		0.123	0.304	0.302	0.144	0.427	
	Right Cheek		0.197	0.173	0.195	0.103	0.370	
	Right Tilt		0.097	0.196	0.289	0.124	0.293	
	Left Cheek	50%RB	0.206	0.213	0.298	0.114	0.419	
	Left Tilt		0.175	0.304	0.302	0.144	0.479	
	Right Cheek		0.219	0.173	0.195	0.103	0.392	
	Right Tilt		0.206	0.196	0.289	0.124	0.402	
4-n78	Left Cheek	1RB	0.238	0.213	0.298	0.114	0.451	
	Left Tilt		0.141	0.304	0.302	0.144	0.445	
	Right Cheek		0.351	0.173	0.195	0.103	0.524	
	Right Tilt		0.160	0.196	0.289	0.124	0.356	
	Left Cheek	50%RB	0.128	0.213	0.298	0.114	0.341	
	Left Tilt		0.103	0.304	0.302	0.144	0.407	
	Right Cheek		0.078	0.173	0.195	0.103	0.251	
	Right Tilt		0.073	0.196	0.289	0.124	0.269	



Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocatio n	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 3) 1g(W/kg)			
5-n7	Left Cheek	1RB	0.081	0.213	0.298	0.114	0.294	1.6
	Left Tilt		0.109	0.304	0.302	0.144	0.413	
	Right Cheek		0.162	0.173	0.195	0.103	0.335	
	Right Tilt		0.208	0.196	0.289	0.124	0.404	
	Left Cheek	50%RB	0.172	0.213	0.298	0.114	0.385	
	Left Tilt		0.147	0.304	0.302	0.144	0.451	
	Right Cheek		0.179	0.173	0.195	0.103	0.352	
	Right Tilt		0.157	0.196	0.289	0.124	0.353	
5-n38	Left Cheek	1RB	0.043	0.213	0.298	0.114	0.256	
	Left Tilt		0.067	0.304	0.302	0.144	0.371	
	Right Cheek		0.093	0.173	0.195	0.103	0.266	
	Right Tilt		0.172	0.196	0.289	0.124	0.368	
	Left Cheek	50%RB	0.125	0.213	0.298	0.114	0.338	
	Left Tilt		0.117	0.304	0.302	0.144	0.421	
	Right Cheek		0.151	0.173	0.195	0.103	0.324	
	Right Tilt		0.130	0.196	0.289	0.124	0.326	
5-n41	Left Cheek	1RB	0.055	0.213	0.298	0.114	0.268	
	Left Tilt		0.067	0.304	0.302	0.144	0.371	
	Right Cheek		0.106	0.173	0.195	0.103	0.279	
	Right Tilt		0.168	0.196	0.289	0.124	0.364	
	Left Cheek	50%RB	0.137	0.213	0.298	0.114	0.350	
	Left Tilt		0.110	0.304	0.302	0.144	0.414	
	Right Cheek		0.140	0.173	0.195	0.103	0.313	
	Right Tilt		0.117	0.196	0.289	0.124	0.313	
5-n66	Left Cheek	1RB	0.061	0.213	0.298	0.114	0.274	
	Left Tilt		0.115	0.304	0.302	0.144	0.419	
	Right Cheek		0.126	0.173	0.195	0.103	0.299	
	Right Tilt		0.219	0.196	0.289	0.124	0.415	
	Left Cheek	50%RB	0.167	0.213	0.298	0.114	0.380	
	Left Tilt		0.146	0.304	0.302	0.144	0.450	
	Right Cheek		0.193	0.173	0.195	0.103	0.366	
	Right Tilt		0.180	0.196	0.289	0.124	0.376	
5-n77	Left Cheek	1RB	0.054	0.213	0.298	0.114	0.267	
	Left Tilt		0.060	0.304	0.302	0.144	0.364	
	Right Cheek		0.062	0.173	0.195	0.103	0.235	
	Right Tilt		0.065	0.196	0.289	0.124	0.261	
	Left Cheek	50%RB	0.030	0.213	0.298	0.114	0.243	
	Left Tilt		0.030	0.304	0.302	0.144	0.334	
	Right Cheek		0.019	0.173	0.195	0.103	0.192	
	Right Tilt		0.017	0.196	0.289	0.124	0.213	
5-n78	Left Cheek	1RB	0.049	0.213	0.298	0.114	0.262	
	Left Tilt		0.088	0.304	0.302	0.144	0.392	
	Right Cheek		0.064	0.173	0.195	0.103	0.237	
	Right Tilt		0.099	0.196	0.289	0.124	0.295	
	Left Cheek	50%RB	0.050	0.213	0.298	0.114	0.263	
	Left Tilt		0.029	0.304	0.302	0.144	0.333	
	Right Cheek		0.087	0.173	0.195	0.103	0.260	
	Right Tilt		0.047	0.196	0.289	0.124	0.243	
7-n7	Left Cheek	1RB	0.307	0.213	0.298	0.114	0.520	
	Left Tilt		0.405	0.304	0.302	0.144	0.709	
	Right Cheek		0.438	0.173	0.195	0.103	0.611	
	Right Tilt		0.513	0.196	0.289	0.124	0.709	
	Left Cheek	50%RB	0.466	0.213	0.298	0.114	0.679	
	Left Tilt		0.458	0.304	0.302	0.144	0.762	
	Right Cheek		0.494	0.173	0.195	0.103	0.667	
	Right Tilt		0.482	0.196	0.289	0.124	0.678	



Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 3) 1g(W/kg)			
7-n66	Left Cheek	1RB	0.306	0.213	0.298	0.114	0.519	1.6
	Left Tilt		0.411	0.304	0.302	0.144	0.715	
	Right Cheek		0.474	0.173	0.195	0.103	0.647	
	Right Tilt		0.684	0.196	0.289	0.124	0.880	
	Left Cheek	50%RB	0.647	0.213	0.298	0.114	0.860	
	Left Tilt		0.611	0.304	0.302	0.144	0.915	
	Right Cheek		0.656	0.173	0.195	0.103	0.829	
	Right Tilt		0.643	0.196	0.289	0.124	0.839	
7-n77	Left Cheek	1RB	0.288	0.213	0.298	0.114	0.501	
	Left Tilt		0.122	0.304	0.302	0.144	0.426	
	Right Cheek		0.495	0.173	0.195	0.103	0.668	
	Right Tilt		0.198	0.196	0.289	0.124	0.394	
	Left Cheek	50%RB	0.148	0.213	0.298	0.114	0.361	
	Left Tilt		0.144	0.304	0.302	0.144	0.448	
	Right Cheek		0.170	0.173	0.195	0.103	0.343	
	Right Tilt		0.155	0.196	0.289	0.124	0.351	
7-n78	Left Cheek	1RB	0.200	0.213	0.298	0.114	0.413	
	Left Tilt		0.132	0.304	0.302	0.144	0.436	
	Right Cheek		0.087	0.173	0.195	0.103	0.260	
	Right Tilt		0.056	0.196	0.289	0.124	0.252	
	Left Cheek	50%RB	0.149	0.213	0.298	0.114	0.362	
	Left Tilt		0.123	0.304	0.302	0.144	0.427	
	Right Cheek		0.185	0.173	0.195	0.103	0.358	
	Right Tilt		0.149	0.196	0.289	0.124	0.345	
38-n78	Left Cheek	1RB	0.143	0.213	0.298	0.114	0.356	
	Left Tilt		0.104	0.304	0.302	0.144	0.408	
	Right Cheek		0.037	0.173	0.195	0.103	0.210	
	Right Tilt		0.032	0.196	0.289	0.124	0.228	
	Left Cheek	50%RB	0.103	0.213	0.298	0.114	0.316	
	Left Tilt		0.091	0.304	0.302	0.144	0.395	
	Right Cheek		0.124	0.173	0.195	0.103	0.297	
	Right Tilt		0.111	0.196	0.289	0.124	0.307	
41-n41	Left Cheek	1RB	0.051	0.213	0.298	0.114	0.264	
	Left Tilt		0.094	0.304	0.302	0.144	0.398	
	Right Cheek		0.130	0.173	0.195	0.103	0.303	
	Right Tilt		0.199	0.196	0.289	0.124	0.395	
	Left Cheek	50%RB	0.167	0.213	0.298	0.114	0.380	
	Left Tilt		0.135	0.304	0.302	0.144	0.439	
	Right Cheek		0.179	0.173	0.195	0.103	0.352	
	Right Tilt		0.164	0.196	0.289	0.124	0.360	
41-n77	Left Cheek	1RB	0.086	0.213	0.298	0.114	0.299	
	Left Tilt		0.118	0.304	0.302	0.144	0.422	
	Right Cheek		0.035	0.173	0.195	0.103	0.208	
	Right Tilt		0.050	0.196	0.289	0.124	0.246	
	Left Cheek	50%RB	0.102	0.213	0.298	0.114	0.315	
	Left Tilt		0.089	0.304	0.302	0.144	0.393	
	Right Cheek		0.080	0.173	0.195	0.103	0.253	
	Right Tilt		0.065	0.196	0.289	0.124	0.261	
41-n78	Left Cheek	1RB	0.110	0.213	0.298	0.114	0.323	
	Left Tilt		0.150	0.304	0.302	0.144	0.454	
	Right Cheek		0.071	0.173	0.195	0.103	0.244	
	Right Tilt		0.105	0.196	0.289	0.124	0.301	
	Left Cheek	50%RB	0.138	0.213	0.298	0.114	0.351	
	Left Tilt		0.132	0.304	0.302	0.144	0.436	
	Right Cheek		0.120	0.173	0.195	0.103	0.293	
	Right Tilt		0.122	0.196	0.289	0.124	0.318	



Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 3) 1g(W/kg)			
66-n7	Left Cheek	1RB	0.304	0.213	0.298	0.114	0.517	1.6
	Left Tilt		0.108	0.304	0.302	0.144	0.412	
	Right Cheek		0.272	0.173	0.195	0.103	0.445	
	Right Tilt		0.095	0.196	0.289	0.124	0.291	
	Left Cheek	50%RB	0.254	0.213	0.298	0.114	0.467	
	Left Tilt		0.234	0.304	0.302	0.144	0.538	
	Right Cheek		0.277	0.173	0.195	0.103	0.450	
	Right Tilt		0.264	0.196	0.289	0.124	0.460	
66-n38	Left Cheek	1RB	0.246	0.213	0.298	0.114	0.459	
	Left Tilt		0.184	0.304	0.302	0.144	0.488	
	Right Cheek		0.275	0.173	0.195	0.103	0.448	
	Right Tilt		0.262	0.196	0.289	0.124	0.458	
	Left Cheek	50%RB	0.218	0.213	0.298	0.114	0.431	
	Left Tilt		0.203	0.304	0.302	0.144	0.507	
	Right Cheek		0.240	0.173	0.195	0.103	0.413	
	Right Tilt		0.211	0.196	0.289	0.124	0.407	
66-n41	Left Cheek	1RB	0.242	0.213	0.298	0.114	0.455	
	Left Tilt		0.149	0.304	0.302	0.144	0.453	
	Right Cheek		0.209	0.173	0.195	0.103	0.382	
	Right Tilt		0.187	0.196	0.289	0.124	0.383	
	Left Cheek	50%RB	0.196	0.213	0.298	0.114	0.409	
	Left Tilt		0.170	0.304	0.302	0.144	0.474	
	Right Cheek		0.193	0.173	0.195	0.103	0.366	
	Right Tilt		0.171	0.196	0.289	0.124	0.367	
66-n66	Left Cheek	1RB	0.357	0.213	0.298	0.114	0.570	
	Left Tilt		0.190	0.304	0.302	0.144	0.494	
	Right Cheek		0.511	0.173	0.195	0.103	0.684	
	Right Tilt		0.295	0.196	0.289	0.124	0.491	
	Left Cheek	50%RB	0.246	0.213	0.298	0.114	0.459	
	Left Tilt		0.231	0.304	0.302	0.144	0.535	
	Right Cheek		0.274	0.173	0.195	0.103	0.447	
	Right Tilt		0.260	0.196	0.289	0.124	0.456	
66-n77	Left Cheek	1RB	0.227	0.213	0.298	0.114	0.440	
	Left Tilt		0.146	0.304	0.302	0.144	0.450	
	Right Cheek		0.422	0.173	0.195	0.103	0.595	
	Right Tilt		0.220	0.196	0.289	0.124	0.416	
	Left Cheek	50%RB	0.172	0.213	0.298	0.114	0.385	
	Left Tilt		0.147	0.304	0.302	0.144	0.451	
	Right Cheek		0.189	0.173	0.195	0.103	0.362	
	Right Tilt		0.185	0.196	0.289	0.124	0.381	
66-n78	Left Cheek	1RB	0.213	0.213	0.298	0.114	0.426	
	Left Tilt		0.131	0.304	0.302	0.144	0.435	
	Right Cheek		0.356	0.173	0.195	0.103	0.529	
	Right Tilt		0.234	0.196	0.289	0.124	0.430	
	Left Cheek	50%RB	0.200	0.213	0.298	0.114	0.413	
	Left Tilt		0.182	0.304	0.302	0.144	0.486	
	Right Cheek		0.223	0.173	0.195	0.103	0.396	
	Right Tilt		0.190	0.196	0.289	0.124	0.386	



Hotspot(body-worn10mm)

Band	Test Position	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Limit (W/kg)
		WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 2) 1g(W/kg)			
GSM850 (GPRS 4slots)	Front	0.039	0.070	0.151	0.130	0.109	1.6
	Back	0.050	0.135	0.191	0.164	0.185	
	Left	0.029	0.054	0.115	0.102	0.083	
	Right	0.021	0.038	0.139	0.116	0.059	
GSM1900 (GPRS 4slots)	Front	0.066	0.070	0.151	0.130	0.136	
	Back	0.125	0.135	0.191	0.164	0.260	
	Left	0.060	0.054	0.115	0.102	0.114	
	Right	0.037	0.038	0.139	0.116	0.075	
WCDMA Band 2	Front	0.074	0.070	0.151	0.130	0.144	
	Back	0.187	0.135	0.191	0.164	0.322	
	Left	0.063	0.054	0.115	0.102	0.117	
	Right	0.037	0.038	0.139	0.116	0.075	
WCDMA Band 4	Front	0.083	0.070	0.151	0.130	0.153	
	Back	0.125	0.135	0.191	0.164	0.260	
	Left	0.072	0.054	0.115	0.102	0.126	
	Right	0.049	0.038	0.139	0.116	0.087	
WCDMA Band 5	Front	0.083	0.070	0.151	0.130	0.153	
	Back	0.118	0.135	0.191	0.164	0.253	
	Left	0.035	0.054	0.115	0.102	0.089	
	Right	0.024	0.038	0.139	0.116	0.062	



Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 2) 1g(W/kg)			
LTE Band 2	Front	1RB	0.072	0.070	0.151	0.130	0.142	1.6
	Back		0.148	0.135	0.191	0.164	0.283	
	Left		0.051	0.054	0.115	0.102	0.105	
	Right		0.044	0.038	0.139	0.116	0.082	
	Front	50%RB	0.039	0.070	0.151	0.130	0.109	
	Back		0.015	0.135	0.191	0.164	0.150	
	Left		0.095	0.054	0.115	0.102	0.149	
	Right		0.053	0.038	0.139	0.116	0.091	
LTE Band 4	Front	1RB	0.093	0.070	0.151	0.130	0.163	
	Back		0.166	0.135	0.191	0.164	0.301	
	Left		0.076	0.054	0.115	0.102	0.130	
	Right		0.048	0.038	0.139	0.116	0.086	
	Front	50%RB	0.058	0.070	0.151	0.130	0.128	
	Back		0.014	0.135	0.191	0.164	0.149	
	Left		0.127	0.054	0.115	0.102	0.181	
	Right		0.076	0.038	0.139	0.116	0.114	
LTE Band 5	Front	1RB	0.116	0.070	0.151	0.130	0.186	
	Back		0.122	0.135	0.191	0.164	0.257	
	Left		0.057	0.054	0.115	0.102	0.111	
	Right		0.042	0.038	0.139	0.116	0.080	
	Front	50%RB	0.046	0.070	0.151	0.130	0.116	
	Back		0.008	0.135	0.191	0.164	0.143	
	Left		0.078	0.054	0.115	0.102	0.132	
	Right		0.041	0.038	0.139	0.116	0.079	
LTE Band 7	Front	1RB	0.090	0.070	0.151	0.130	0.160	
	Back		0.232	0.135	0.191	0.164	0.367	
	Left		0.079	0.054	0.115	0.102	0.133	
	Right		0.048	0.038	0.139	0.116	0.086	
	Front	50%RB	0.064	0.070	0.151	0.130	0.134	
	Back		0.015	0.135	0.191	0.164	0.150	
	Left		0.190	0.054	0.115	0.102	0.244	
	Right		0.154	0.038	0.139	0.116	0.192	
LTE Band 12	Front	1RB	0.050	0.070	0.151	0.130	0.120	
	Back		0.057	0.135	0.191	0.164	0.192	
	Left		0.041	0.054	0.115	0.102	0.095	
	Right		0.032	0.038	0.139	0.116	0.070	
	Front	50%RB	0.035	0.070	0.151	0.130	0.105	
	Back		0.013	0.135	0.191	0.164	0.148	
	Left		0.032	0.054	0.115	0.102	0.086	
	Right		0.020	0.038	0.139	0.116	0.058	
LTE Band 17	Front	1RB	0.051	0.070	0.151	0.130	0.121	
	Back		0.063	0.135	0.191	0.164	0.198	
	Left		0.037	0.054	0.115	0.102	0.091	
	Right		0.028	0.038	0.139	0.116	0.066	
	Front	50%RB	0.031	0.070	0.151	0.130	0.101	
	Back		0.012	0.135	0.191	0.164	0.147	
	Left		0.044	0.054	0.115	0.102	0.098	
	Right		0.040	0.038	0.139	0.116	0.078	
LTE Band 38	Front	1RB	0.097	0.070	0.151	0.130	0.167	
	Back		0.231	0.135	0.191	0.164	0.366	
	Left		0.073	0.054	0.115	0.102	0.127	
	Right		0.040	0.038	0.139	0.116	0.078	
	Front	50%RB	0.051	0.070	0.151	0.130	0.121	
	Back		0.014	0.135	0.191	0.164	0.149	
	Left		0.216	0.054	0.115	0.102	0.270	
	Right		0.206	0.038	0.139	0.116	0.244	



Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 2) 1g(W/kg)			
LTE Band 41	Front	1RB	0.126	0.070	0.151	0.130	0.196	1.6
	Back		0.276	0.135	0.191	0.164	0.411	
	Left		0.080	0.054	0.115	0.102	0.134	
	Right	50%RB	0.050	0.038	0.139	0.116	0.088	
	Front		0.199	0.070	0.151	0.130	0.269	
	Back		0.017	0.135	0.191	0.164	0.152	
	Left		0.218	0.054	0.115	0.102	0.272	
	Right		0.189	0.038	0.139	0.116	0.227	
LTE Band 42	Front	1RB	0.146	0.070	0.151	0.130	0.216	
	Back		0.268	0.135	0.191	0.164	0.403	
	Left		0.130	0.054	0.115	0.102	0.184	
	Right	50%RB	0.084	0.038	0.139	0.116	0.122	
	Front		0.101	0.070	0.151	0.130	0.171	
	Back		0.026	0.135	0.191	0.164	0.161	
	Left		0.255	0.054	0.115	0.102	0.309	
	Right		0.245	0.038	0.139	0.116	0.283	
LTE Band 66	Front	1RB	0.100	0.070	0.151	0.130	0.170	
	Back		0.156	0.135	0.191	0.164	0.291	
	Left		0.080	0.054	0.115	0.102	0.134	
	Right	50%RB	0.054	0.038	0.139	0.116	0.092	
	Front		0.069	0.070	0.151	0.130	0.139	
	Back		0.018	0.135	0.191	0.164	0.153	
	Left		0.125	0.054	0.115	0.102	0.179	
	Right		0.129	0.038	0.139	0.116	0.167	
N5	Front	1RB	0.179	0.070	0.151	0.130	0.249	
	Back		0.262	0.135	0.191	0.164	0.397	
	Left		0.118	0.054	0.115	0.102	0.172	
	Right	50%RB	0.052	0.038	0.139	0.116	0.090	
	Front		0.170	0.070	0.151	0.130	0.240	
	Back		0.020	0.135	0.191	0.164	0.155	
	Left		0.243	0.054	0.115	0.102	0.297	
	Right		0.224	0.038	0.139	0.116	0.262	
N7	Front	1RB	0.179	0.070	0.151	0.130	0.249	
	Back		0.283	0.135	0.191	0.164	0.418	
	Left		0.207	0.054	0.115	0.102	0.261	
	Right	50%RB	0.083	0.038	0.139	0.116	0.121	
	Front		0.217	0.070	0.151	0.130	0.287	
	Back		0.025	0.135	0.191	0.164	0.160	
	Left		0.257	0.054	0.115	0.102	0.311	
	Right		0.254	0.038	0.139	0.116	0.292	
N12	Front	1RB	0.035	0.070	0.151	0.130	0.105	
	Back		0.077	0.135	0.191	0.164	0.212	
	Left		0.053	0.054	0.115	0.102	0.107	
	Right	50%RB	0.044	0.038	0.139	0.116	0.082	
	Front		0.057	0.070	0.151	0.130	0.127	
	Back		0.022	0.135	0.191	0.164	0.157	
	Left		0.060	0.054	0.115	0.102	0.114	
	Right		0.037	0.038	0.139	0.116	0.075	
N38	Front	1RB	0.053	0.070	0.151	0.130	0.123	
	Back		0.118	0.135	0.191	0.164	0.253	
	Left		0.086	0.054	0.115	0.102	0.140	
	Right	50%RB	0.022	0.038	0.139	0.116	0.060	
	Front		0.090	0.070	0.151	0.130	0.160	
	Back		0.003	0.135	0.191	0.164	0.138	
	Left		0.106	0.054	0.115	0.102	0.160	
	Right		0.091	0.038	0.139	0.116	0.129	



Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 2) 1g(W/kg)			
N41	Front	1RB	0.084	0.070	0.151	0.130	0.154	1.6
	Back		0.175	0.135	0.191	0.164	0.310	
	Left		0.116	0.054	0.115	0.102	0.170	
	Right		0.070	0.038	0.139	0.116	0.108	
	Front	50%RB	0.122	0.070	0.151	0.130	0.192	
	Back		0.009	0.135	0.191	0.164	0.144	
	Left		0.152	0.054	0.115	0.102	0.206	
	Right		0.154	0.038	0.139	0.116	0.192	
N66	Front	1RB	0.053	0.070	0.151	0.130	0.123	
	Back		0.103	0.135	0.191	0.164	0.238	
	Left		0.088	0.054	0.115	0.102	0.142	
	Right		0.009	0.038	0.139	0.116	0.047	
	Front	50%RB	0.076	0.070	0.151	0.130	0.146	
	Back		0.002	0.135	0.191	0.164	0.137	
	Left		0.077	0.054	0.115	0.102	0.131	
	Right		0.060	0.038	0.139	0.116	0.098	
N77	Front	1RB	0.216	0.070	0.151	0.130	0.286	
	Back		0.388	0.135	0.191	0.164	0.523	
	Left		0.195	0.054	0.115	0.102	0.249	
	Right		0.137	0.038	0.139	0.116	0.175	
	Front	50%RB	0.265	0.070	0.151	0.130	0.335	
	Back		0.031	0.135	0.191	0.164	0.166	
	Left		0.320	0.054	0.115	0.102	0.374	
	Right		0.297	0.038	0.139	0.116	0.335	
N77	Front	1RB	0.290	0.070	0.151	0.130	0.360	
	Back		0.314	0.135	0.191	0.164	0.449	
	Left		0.254	0.054	0.115	0.102	0.308	
	Right		0.243	0.038	0.139	0.116	0.281	
	Front	50%RB	0.254	0.070	0.151	0.130	0.324	
	Back		0.255	0.135	0.191	0.164	0.390	
	Left		0.269	0.054	0.115	0.102	0.323	
	Right		0.230	0.038	0.139	0.116	0.268	
N78	Front	1RB	0.078	0.070	0.151	0.130	0.148	
	Back		0.180	0.135	0.191	0.164	0.315	
	Left		0.129	0.054	0.115	0.102	0.183	
	Right		0.062	0.038	0.139	0.116	0.100	
	Front	50%RB	0.137	0.070	0.151	0.130	0.207	
	Back		0.010	0.135	0.191	0.164	0.145	
	Left		0.121	0.054	0.115	0.102	0.175	
	Right		0.090	0.038	0.139	0.116	0.128	
N78	Front	1RB	0.068	0.070	0.151	0.130	0.138	
	Back		0.080	0.135	0.191	0.164	0.215	
	Left		0.049	0.054	0.115	0.102	0.103	
	Right		0.044	0.038	0.139	0.116	0.082	
	Front	50%RB	0.051	0.070	0.151	0.130	0.121	
	Back		0.058	0.135	0.191	0.164	0.193	
	Left		0.059	0.054	0.115	0.102	0.113	
	Right		0.042	0.038	0.139	0.116	0.080	
2-n7	Front	1RB	0.228	0.070	0.151	0.130	0.298	
	Back		0.405	0.135	0.191	0.164	0.540	
	Left		0.309	0.054	0.115	0.102	0.363	
	Right		0.086	0.038	0.139	0.116	0.124	
	Front	50%RB	0.288	0.070	0.151	0.130	0.358	
	Back		0.140	0.135	0.191	0.164	0.275	
	Left		0.331	0.054	0.115	0.102	0.385	
	Right		0.299	0.038	0.139	0.116	0.337	



Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Limit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 2) 1g(W/kg)			
2-n66	Front	1RB	0.195	0.070	0.151	0.130	0.265	1.6
	Back		0.351	0.135	0.191	0.164	0.486	
	Left		0.228	0.054	0.115	0.102	0.282	
	Right		0.082	0.038	0.139	0.116	0.120	
	Front	50%RB	0.235	0.070	0.151	0.130	0.305	
	Back		0.208	0.135	0.191	0.164	0.343	
	Left		0.281	0.054	0.115	0.102	0.335	
	Right		0.263	0.038	0.139	0.116	0.301	
2-n78	Front	1RB	0.056	0.070	0.151	0.130	0.126	
	Back		0.141	0.135	0.191	0.164	0.276	
	Left		0.119	0.054	0.115	0.102	0.173	
	Right		0.027	0.038	0.139	0.116	0.065	
	Front	50%RB	0.088	0.070	0.151	0.130	0.158	
	Back		0.999	0.135	0.191	0.164	1.134	
	Left		0.120	0.054	0.115	0.102	0.174	
	Right		0.112	0.038	0.139	0.116	0.150	
4-n7	Front	1RB	0.087	0.070	0.151	0.130	0.157	
	Back		0.169	0.135	0.191	0.164	0.304	
	Left		0.097	0.054	0.115	0.102	0.151	
	Right		0.028	0.038	0.139	0.116	0.066	
	Front	50%RB	0.115	0.070	0.151	0.130	0.185	
	Back		0.160	0.135	0.191	0.164	0.295	
	Left		0.151	0.054	0.115	0.102	0.205	
	Right		0.155	0.038	0.139	0.116	0.193	
4-n38	Front	1RB	0.129	0.070	0.151	0.130	0.199	
	Back		0.223	0.135	0.191	0.164	0.358	
	Left		0.186	0.054	0.115	0.102	0.240	
	Right		0.041	0.038	0.139	0.116	0.079	
	Front	50%RB	0.150	0.070	0.151	0.130	0.220	
	Back		0.136	0.135	0.191	0.164	0.271	
	Left		0.205	0.054	0.115	0.102	0.259	
	Right		0.206	0.038	0.139	0.116	0.244	
4-n41	Front	1RB	0.094	0.070	0.151	0.130	0.164	
	Back		0.182	0.135	0.191	0.164	0.317	
	Left		0.153	0.054	0.115	0.102	0.207	
	Right		0.031	0.038	0.139	0.116	0.069	
	Front	50%RB	0.115	0.070	0.151	0.130	0.185	
	Back		0.133	0.135	0.191	0.164	0.268	
	Left		0.171	0.054	0.115	0.102	0.225	
	Right		0.170	0.038	0.139	0.116	0.208	
4-n78	Front	1RB	0.065	0.070	0.151	0.130	0.135	
	Back		0.142	0.135	0.191	0.164	0.277	
	Left		0.129	0.054	0.115	0.102	0.183	
	Right		0.026	0.038	0.139	0.116	0.064	
	Front	50%RB	0.086	0.070	0.151	0.130	0.156	
	Back		0.013	0.135	0.191	0.164	0.148	
	Left		0.139	0.054	0.115	0.102	0.193	
	Right		0.129	0.038	0.139	0.116	0.167	
5-n7	Front	1RB	0.034	0.070	0.151	0.130	0.104	
	Back		0.056	0.135	0.191	0.164	0.191	
	Left		0.039	0.054	0.115	0.102	0.093	
	Right		0.013	0.038	0.139	0.116	0.051	
	Front	50%RB	0.041	0.070	0.151	0.130	0.111	
	Back		0.028	0.135	0.191	0.164	0.163	
	Left		0.015	0.054	0.115	0.102	0.069	
	Right		0.011	0.038	0.139	0.116	0.049	



Band	Test Position	RB allocation	Scaled SAR	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 2) 1g(W/kg)	Wi-Fi 6E SAR 1g(W/kg)	BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)						
5-n38	Front	1RB	0.037	0.070	0.151	0.130	0.070	0.107	1.6
	Back		0.056	0.135	0.191	0.164	0.135	0.191	
	Left		0.028	0.054	0.115	0.102	0.054	0.082	
	Right		0.010	0.038	0.139	0.116	0.038	0.048	
	Front	50%RB	0.039	0.070	0.151	0.130	0.070	0.109	
	Back		0.003	0.135	0.191	0.164	0.135	0.138	
	Left		0.045	0.054	0.115	0.102	0.054	0.099	
	Right		0.033	0.038	0.139	0.116	0.038	0.071	
5-n41	Front	1RB	0.028	0.070	0.151	0.130	0.070	0.098	
	Back		0.047	0.135	0.191	0.164	0.135	0.182	
	Left		0.031	0.054	0.115	0.102	0.054	0.085	
	Right		0.006	0.038	0.139	0.116	0.038	0.044	
	Front	50%RB	0.035	0.070	0.151	0.130	0.070	0.105	
	Back		0.003	0.135	0.191	0.164	0.135	0.138	
	Left		0.027	0.054	0.115	0.102	0.054	0.081	
	Right		0.035	0.038	0.139	0.116	0.038	0.073	
5-n66	Front	1RB	0.025	0.070	0.151	0.130	0.070	0.095	
	Back		0.051	0.135	0.191	0.164	0.135	0.186	
	Left		0.014	0.054	0.115	0.102	0.054	0.068	
	Right		0.018	0.038	0.139	0.116	0.038	0.056	
	Front	50%RB	0.038	0.070	0.151	0.130	0.070	0.108	
	Back		0.006	0.135	0.191	0.164	0.135	0.141	
	Left		0.032	0.054	0.115	0.102	0.054	0.086	
	Right		0.037	0.038	0.139	0.116	0.038	0.075	
5-n77	Front	1RB	0.010	0.070	0.151	0.130	0.070	0.080	
	Back		0.019	0.135	0.191	0.164	0.135	0.154	
	Left		0.014	0.054	0.115	0.102	0.054	0.068	
	Right		0.003	0.038	0.139	0.116	0.038	0.041	
	Front	50%RB	0.017	0.070	0.151	0.130	0.070	0.087	
	Back		0.003	0.135	0.191	0.164	0.135	0.138	
	Left		0.004	0.054	0.115	0.102	0.054	0.058	
	Right		0.002	0.038	0.139	0.116	0.038	0.040	
5-n78	Front	1RB	0.014	0.070	0.151	0.130	0.070	0.084	
	Back		0.023	0.135	0.191	0.164	0.135	0.158	
	Left		0.015	0.054	0.115	0.102	0.054	0.069	
	Right		0.012	0.038	0.139	0.116	0.038	0.050	
	Front	50%RB	0.020	0.070	0.151	0.130	0.070	0.090	
	Back		0.004	0.135	0.191	0.164	0.135	0.139	
	Left		0.005	0.054	0.115	0.102	0.054	0.059	
	Right		0.004	0.038	0.139	0.116	0.038	0.042	
7-n7	Front	1RB	0.103	0.070	0.151	0.130	0.070	0.173	
	Back		0.152	0.135	0.191	0.164	0.135	0.287	
	Left		0.102	0.054	0.115	0.102	0.054	0.156	
	Right		0.029	0.038	0.139	0.116	0.038	0.067	
	Front	50%RB	0.097	0.070	0.151	0.130	0.070	0.167	
	Back		0.008	0.135	0.191	0.164	0.135	0.143	
	Left		0.123	0.054	0.115	0.102	0.054	0.177	
	Right		0.136	0.038	0.139	0.116	0.038	0.174	
7-n66	Front	1RB	0.209	0.070	0.151	0.130	0.070	0.279	
	Back		0.353	0.135	0.191	0.164	0.135	0.488	
	Left		0.239	0.054	0.115	0.102	0.054	0.293	
	Right		0.096	0.038	0.139	0.116	0.038	0.134	
	Front	50%RB	0.256	0.070	0.151	0.130	0.070	0.326	
	Back		0.024	0.135	0.191	0.164	0.135	0.159	
	Left		0.334	0.054	0.115	0.102	0.054	0.388	
	Right		0.337	0.038	0.139	0.116	0.038	0.375	



Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Limit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 2) 1g(W/kg)			
7-n77	Front	1RB	0.089	0.070	0.151	0.130	0.159	1.6
	Back		0.096	0.135	0.191	0.164	0.231	
	Left		0.080	0.054	0.115	0.102	0.134	
	Right		0.064	0.038	0.139	0.116	0.102	
	Front	50%RB	0.092	0.070	0.151	0.130	0.162	
	Back		0.005	0.135	0.191	0.164	0.140	
	Left		0.081	0.054	0.115	0.102	0.135	
	Right		0.083	0.038	0.139	0.116	0.121	
7-n78	Front	1RB	0.023	0.070	0.151	0.130	0.093	
	Back		0.038	0.135	0.191	0.164	0.173	
	Left		0.029	0.054	0.115	0.102	0.083	
	Right		0.011	0.038	0.139	0.116	0.049	
	Front	50%RB	0.032	0.070	0.151	0.130	0.102	
	Back		0.004	0.135	0.191	0.164	0.139	
	Left		0.017	0.054	0.115	0.102	0.071	
	Right		0.021	0.038	0.139	0.116	0.059	
38-n38	Front	1RB	0.005	0.070	0.151	0.130	0.075	
	Back		0.016	0.135	0.191	0.164	0.151	
	Left		0.003	0.054	0.115	0.102	0.057	
	Right		0.011	0.038	0.139	0.116	0.049	
	Front	50%RB	0.013	0.070	0.151	0.130	0.083	
	Back		0.010	0.135	0.191	0.164	0.145	
	Left		0.082	0.054	0.115	0.102	0.136	
	Right		0.052	0.038	0.139	0.116	0.090	
41-n41	Front	1RB	0.049	0.070	0.151	0.130	0.119	
	Back		0.086	0.135	0.191	0.164	0.221	
	Left		0.063	0.054	0.115	0.102	0.117	
	Right		0.019	0.038	0.139	0.116	0.057	
	Front	50%RB	0.074	0.070	0.151	0.130	0.144	
	Back		0.009	0.135	0.191	0.164	0.144	
	Left		0.067	0.054	0.115	0.102	0.121	
	Right		0.074	0.038	0.139	0.116	0.112	
41-n77	Front	1RB	0.008	0.070	0.151	0.130	0.078	
	Back		0.020	0.135	0.191	0.164	0.155	
	Left		0.004	0.054	0.115	0.102	0.058	
	Right		0.011	0.038	0.139	0.116	0.049	
	Front	50%RB	0.010	0.070	0.151	0.130	0.080	
	Back		0.008	0.135	0.191	0.164	0.143	
	Left		0.006	0.054	0.115	0.102	0.060	
	Right		0.003	0.038	0.139	0.116	0.041	
41-n78	Front	1RB	0.011	0.070	0.151	0.130	0.081	
	Back		0.020	0.135	0.191	0.164	0.155	
	Left		0.016	0.054	0.115	0.102	0.070	
	Right		0.003	0.038	0.139	0.116	0.041	
	Front	50%RB	0.013	0.070	0.151	0.130	0.083	
	Back		0.002	0.135	0.191	0.164	0.137	
	Left		0.005	0.054	0.115	0.102	0.059	
	Right		0.004	0.038	0.139	0.116	0.042	



Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 2) 1g(W/kg)			
66-n7	Front	1RB	0.077	0.070	0.151	0.130	0.147	1.6
	Back		0.163	0.135	0.191	0.164	0.298	
	Left		0.030	0.054	0.115	0.102	0.084	
	Right		0.144	0.038	0.139	0.116	0.182	
	Front	50%RB	0.083	0.070	0.151	0.130	0.153	
	Back		0.026	0.135	0.191	0.164	0.161	
	Left		0.151	0.054	0.115	0.102	0.205	
	Right		0.141	0.038	0.139	0.116	0.179	
66-n38	Front	1RB	0.091	0.070	0.151	0.130	0.161	
	Back		0.162	0.135	0.191	0.164	0.297	
	Left		0.030	0.054	0.115	0.102	0.084	
	Right		0.116	0.038	0.139	0.116	0.154	
	Front	50%RB	0.096	0.070	0.151	0.130	0.166	
	Back		0.029	0.135	0.191	0.164	0.164	
	Left		0.147	0.054	0.115	0.102	0.201	
	Right		0.134	0.038	0.139	0.116	0.172	
66-n41	Front	1RB	0.324	0.070	0.151	0.130	0.394	
	Back		0.501	0.135	0.191	0.164	0.636	
	Left		0.420	0.054	0.115	0.102	0.474	
	Right		0.236	0.038	0.139	0.116	0.274	
	Front	50%RB	0.387	0.070	0.151	0.130	0.457	
	Back		0.463	0.135	0.191	0.164	0.598	
	Left		0.451	0.054	0.115	0.102	0.505	
	Right		0.427	0.038	0.139	0.116	0.465	
66-n66	Front	1RB	0.104	0.070	0.151	0.130	0.174	
	Back		0.262	0.135	0.191	0.164	0.397	
	Left		0.184	0.054	0.115	0.102	0.238	
	Right		0.035	0.038	0.139	0.116	0.073	
	Front	50%RB	0.160	0.070	0.151	0.130	0.230	
	Back		0.020	0.135	0.191	0.164	0.155	
	Left		0.222	0.054	0.115	0.102	0.276	
	Right		0.176	0.038	0.139	0.116	0.214	
66-n77	Back	1RB	0.060	0.070	0.151	0.130	0.130	
	Left		0.209	0.135	0.191	0.164	0.344	
	Right		0.135	0.054	0.115	0.102	0.189	
	Front		0.035	0.038	0.139	0.116	0.073	
	Back	50%RB	0.147	0.070	0.151	0.130	0.217	
	Left		0.013	0.135	0.191	0.164	0.148	
	Right		0.189	0.054	0.115	0.102	0.243	
	Front		0.188	0.038	0.139	0.116	0.226	
66-n78	Back	1RB	0.081	0.070	0.151	0.130	0.151	
	Left		0.184	0.135	0.191	0.164	0.319	
	Right		0.139	0.054	0.115	0.102	0.193	
	Front		0.039	0.038	0.139	0.116	0.077	
	Back	50%RB	0.158	0.070	0.151	0.130	0.228	
	Left		0.018	0.135	0.191	0.164	0.153	
	Right		0.149	0.054	0.115	0.102	0.203	
	Front		0.105	0.038	0.139	0.116	0.143	



12 Measurement uncertainty evaluation

12.1 Measurement uncertainty evaluation for SAR test

The following table includes the uncertainty table of the IEEE 1528. The values are determined by Satimo. The breakdown of the individual uncertainties is as follows:

Measurement Uncertainty evaluation for SAR test

Uncertainty Component	Tol. (±%)	Prob. Dist.	Div.	C _i (1g)	C _i (10g)	1g U _i (±%)	10g U _i (±%)	V _i
measurement system								
Probe Calibration	5.8	N	1	1	1	5.8	5.8	∞
Axial Isotropy	3.5	R	$\sqrt{3}$	$(1-C_p)^{1/2}$	$(1-C_p)^{1/2}$	1.43	1.43	∞
Hemispherical Isotropy	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
Boundary Effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
system Detection Limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	3	N	1	1	1	3.00	3.00	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF Ambient Conditions-Noise	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF Ambient Conditions-Reflections	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe Positioner Mechanical Tolerance	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to Phantom Shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, interpolation and Integration Algorithms for Max.SAR Evaluation	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
Test sample Related								
Test Sample Positioning	2.6	N	1	1	1	2.60	2.60	11
Device Holder Uncertainty	3	N	1	1	1	3.00	3.00	7
Output Power Variation-SAR drift measurement	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
SAR scaling	2	R	$\sqrt{3}$	1	1	1.15	1.15	∞



Phantom and Tissue Parameters								
Phantom Uncertainty (shape and thickness tolerances)	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviation (in permittivity and conductivity)	2	N	1	1	0.84	2.00	1.68	∞
Liquid conductivity (meas.)	2.5	N	1	0.64	0.43	1.60	1.08	5
Liquid conductivity (target.)	5	R	$\sqrt{3}$	0.64	0.43	1.85	1.24	5
Liquid Permittivity (meas.)	2.5	N	1	0.60	0.49	1.50	1.23	∞
Liquid Permittivity (target.)	5	R	$\sqrt{3}$	0.60	0.49	1.73	1.42	∞
Combined Standard Uncertainty		Rss				10.63	10.54	
Expanded Uncertainty{95% CONFIDENCE INTERVAL}		k				21.26	21.08	



12.2 Measurement uncertainty evaluation for system check

The following table includes the uncertainty table of the IEEE 1528. The values are determined by Satimo. The breakdown of the individual uncertainties is as follows:

Uncertainty For System Performance Check								
Uncertainty Component	Tol. (±%)	Prob. Dist.	Div.	C _i 1g	C _i 10g	1g U _i (±%)	10g U _i (±%)	V _i
measurement system								
Probe Calibration	5.8	N	1	1	1	5.80	5.80	∞
Axial Isotropy	3.5	R	$\sqrt{3}$	$(1-C_p)^{1/2}$	$(1-C_p)^{1/2}$	1.43	1.43	∞
Hemispherical Isotropy	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
Boundary Effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
system detection Limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	0	N	1	1	1	0.00	0.00	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF ambient Conditions - Noise	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient Conditions – Reflections	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioned Mechanical Tolerance	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to Phantom Shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
Dipole								
Deviation of experimental source from numerical source	4	N	1	1	1	4.00	4.00	∞
Input power and SAR drift measurement	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid Distance	2	R	$\sqrt{3}$	1	1	1.16	1.16	∞
Phantom and Tissue Parameters								
Phantom Uncertainty (shape and thickness tolerances)	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviation (in permittivity and conductivity)	2	N	1	1	0.84	2.00	1.68	∞
Liquid conductivity (meas.)	2.5	N	1	0.64	0.43	1.60	1.08	5
Liquid conductivity (target.)	5	R	$\sqrt{3}$	0.64	0.43	1.85	1.24	5
Liquid Permittivity (meas.)	2.5	N	1	0.60	0.49	1.50	1.23	∞
Liquid Permittivity (target.)	5	R	$\sqrt{3}$	0.60	0.49	1.73	1.41	∞
Combined Standard Uncertainty		Rss				10.28	9.98	
Expanded Uncertainty (95% Confidence interval)		k				20.57	19.95	



13 Test equipment and ancillaries used for tests

To simplify the identification of the test equipment and/or ancillaries which were used, the reporting of the relevant test cases only refer to the test item number as specified in the table below.

	Manufacturer	Device Type	Type(Model)	Serial number	calibration	
					Last Cal.	Due Date
☒	SATIMO	COMOSAR DOSIMETRIC E FIELD PROBE	SSE2	3523-EPGO-428	2024-06-18	2025-06-17
☒	SATIMO	COMOSAR 750 MHz REFERENCE DIPOLE	SID750	SN 48/16 DIP0G750-444	2023-11-09	2026-11-08
☒	SATIMO	COMOSAR 835 MHz REFERENCE DIPOLE	SID835	SN 14/13 DIP0G835-235	2023-11-09	2026-11-08
☒	SATIMO	COMOSAR 900 MHz REFERENCE DIPOLE	SID900	SN 14/13 DIP0G900-231	2023-11-09	2026-11-08
☒	SATIMO	COMOSAR 1800 MHz REFERENCE DIPOLE	SID1800	SN 14/13 DIP1G800-232	2023-11-09	2026-11-08
☐	SATIMO	COMOSAR 1900 MHz REFERENCE DIPOLE	SID1900	SN 14/13 DIP1G900-236	2023-11-09	2026-11-08
☒	SATIMO	COMOSAR 2000 MHz REFERENCE DIPOLE	SID2000	SN 14/13 DIP2G000-237	2023-11-09	2026-11-08
☒	SATIMO	COMOSAR 2450 MHz REFERENCE DIPOLE	SID2450	SN 14/13 DIP2G450-238	2023-11-09	2026-11-08
☒	SATIMO	COMOSAR 2600 MHz REFERENCE DIPOLE	SID2600	SN 28/14 DIP2G600-327	2023-11-09	2026-11-08
☒	SATIMO	Software	OPENSAR	N/A	N/A	N/A
☒	SATIMO	Phantom	COMOSAR IEEE SAM PHANTOM	SN 14/13 SAM99	N/A	N/A
☒	R & S	Universal Radio Communication Tester	CMU 200	119733	2023-11-02	2024-11-01
☒	R & S	Universal Radio Communication Tester	CMW500	144459	2023-11-02	2024-11-01
☒	R & S	UXM5G Wireless Test Platform	E7515B	MY60192341	2023-11-02	2024-11-01
☒	HP	Network Analyser	8753D	3410A08889	2023-11-02	2024-11-01
☒	HP	Signal Generator	E4421B	GB39340770	2023-11-02	2024-11-01
☒	Keithley	Multimeter	Keithley 2000	4014539	2023-11-02	2024-11-01
☒	SATIMO	Amplifier	Power Amplifier	MODU-023-A- 0004	2023-11-02	2024-11-01
☒	Agilent	Power Meter	E4418B	GB43312909	2023-11-02	2024-11-01
☒	Agilent	Power Meter Sensor	E4412A	MY41500046	2023-11-02	2024-11-01



Annex A: System performance verification

(Please See the SAR Measurement Plots of annex A.)

Annex B: Measurement results

(Please See the SAR Measurement Plots of annex B.)

Annex C: Calibration reports

(Please See the Calibration reports of annex C.)