

FCC SAR Compliance Test Report

For

TECNO MOBILE LIMITED

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

FOTAN NT HONGKONG

Model: LK6

Test Engineer: Qu Zhihao *Qu Zhihao*

Report Number: WSCT-ANAB-R&E260200023A-SAR

Report Date: 28 March 2026

FCC ID: 2ADYY-LK6

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Modified History

REV.	Modification Description	Issued Date	Remark
REV.1.0	Initial Test Report Relesse	28 March 2026	Li Huaibi

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: 2026-01-27
Start of test: 2026-01-30
End of test: 2026-03-28

1.3 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for LK6 is as below:

Band	Position Test Points	MAX Reported SAR _{1g} (W/kg)
GSM850	Head	0.219
GSM1900	Head	0.264
UMTS Band 2	Head	0.425
UMTS Band 4	Head	0.629
UMTS Band 5	Head	0.285
LTE Band 2	Head	0.526
LTE Band 4	Head	0.910
LTE Band 5	Head	0.539
LTE Band 7	Head	0.462
LTE Band 12	Head	0.477
LTE Band 13	Head	0.124
LTE Band 17	Head	0.427
LTE Band 38	Head	0.476
LTE Band 41	Head	0.235
LTE Band 42	Head	0.472
LTE Band 42	Head	0.455
LTE Band 66	Head	0.521
NR n5	Head	0.352
NR n7	Head	0.598
NR n12	Head	0.481
NR n38	Head	0.643
NR n41	Head	0.328
NR n66	Head	0.498
NR n77	Head	0.606
NR n77	Head	0.887
NR n77	Head	0.998
NR n78	Head	0.593
NR n78	Head	0.963
NR n78	Head	1.041
5-n7	Head	0.531
5-n38	Head	0.062
5-n41	Head	0.079
5-n66	Head	0.500
5-n77	Head	0.705
5-n78	Head	0.712
7-n7	Head	0.594
7-n66	Head	0.572
7-n77	Head	0.719
7-n78	Head	0.663
38-n78	Head	0.606

Band	Position Test Points	MAX Reported SAR _{1g} (W/kg)
41-n41	Head	0.073
41-n77	Head	0.745
41-n78	Head	0.695
BT	Head	0.298
2.4GWIFI	Head	0.202
5GWIFI Band1	Head	0.214
5GWIFI Band2	Head	0.297
5GWIFI Band3	Head	0.332
5GWIFI Band4	Head	0.353

Band	Position Test Points	MAX Reported SAR _{1g} (W/kg)
GSM850	Body & Hotspot 10mm	0.720
GSM1900	Body & Hotspot 10mm	0.552
UMTS Band 2	Body & Hotspot 10mm	0.117
UMTS Band 4	Body & Hotspot 10mm	0.139
UMTS Band 5	Body & Hotspot 10mm	0.629
LTE Band 2	Body & Hotspot 10mm	0.127
LTE Band 4	Body & Hotspot 10mm	0.240
LTE Band 5	Body & Hotspot 10mm	0.473
LTE Band 7	Body & Hotspot 10mm	0.067
LTE Band 12	Body & Hotspot 10mm	0.745
LTE Band 13	Body & Hotspot 10mm	0.535
LTE Band 17	Body & Hotspot 10mm	0.761
LTE Band 38	Body & Hotspot 10mm	0.097
LTE Band 41	Body & Hotspot 10mm	0.084
LTE Band 42	Body & Hotspot 10mm	0.103
LTE Band 42	Body & Hotspot 10mm	0.095
LTE Band 66	Body & Hotspot 10mm	0.270
NR n5	Body & Hotspot 10mm	0.729
NR n7	Body & Hotspot 10mm	0.089
NR n12	Body & Hotspot 10mm	0.746
NR n38	Body & Hotspot 10mm	0.147
NR n41	Body & Hotspot 10mm	0.290
NR n66	Body & Hotspot 10mm	0.124
NR n77	Body & Hotspot 10mm	0.267
NR n77	Body & Hotspot 10mm	0.206
NR n77	Body & Hotspot 10mm	0.341
NR n78	Body & Hotspot 10mm	0.159
NR n78	Body & Hotspot 10mm	0.292
NR n78	Body & Hotspot 10mm	0.229

Band	Position Test Points	MAX Reported SAR1g (W/kg)
5-n7	Body & Hotspot 10mm	0.381
5-n38	Body & Hotspot 10mm	0.050
5-n41	Body & Hotspot 10mm	0.067
5-n66	Body & Hotspot 10mm	0.360
5-n77	Body & Hotspot 10mm	0.373
5-n78	Body & Hotspot 10mm	0.383
7-n7	Body & Hotspot 10mm	0.140
7-n66	Body & Hotspot 10mm	0.457
7-n77	Body & Hotspot 10mm	0.175
7-n78	Body & Hotspot 10mm	0.159
38-n78	Body & Hotspot 10mm	0.175
41-n41	Body & Hotspot 10mm	0.070
41-n77	Body & Hotspot 10mm	0.057
41-n78	Body & Hotspot 10mm	0.150
BT	Body & Hotspot 10mm	0.052
2.4GWIFI	Body & Hotspot 10mm	0.031
5GWIFI Band1	Body & Hotspot 10mm	0.021
5GWIFI Band2	Body & Hotspot 10mm	0.039
5GWIFI Band3	Body & Hotspot 10mm	0.046
5GWIFI Band4	Body & Hotspot 10mm	0.050
Maximum Max. SAR Level(s) Measured: (Limit: 1.6W/Kg):	N78(3)	1.041 W/kg1gHeadTissue
	5G WIFI Band 4	0.353 W/kg1gHeadTissue
	LTE Band 17	0.761 W/kg1gBodyTissue
	5G WIFI Band 4	0.050 W/kg1gBodyTissue
The Head highest simultaneous SAR :		1.394 W/kg1gHeadTissue
The Body highest simultaneous SAR :		0.811 W/kg1gBodyTissue

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:	LK6
Trade Name:	TECNO
Device Type:	Portable device
Exposure Category:	uncontrolled environment / general population
Production Unit or Identical Prototype:	Production Unit
Antenna Type :	Integral Antenna
Device Operating Configurations:	
Supporting Mode(s) :	GSM850, PCS 1900 WCDMA B2/ WCDMA B4/ WCDMA B5 LTE Band 2/4/5/7/12/13/17/38/41/42/66 NR Band 5/7/12/38/41/66/77/78 NSA(EN-DC): 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
Modulation:	GSM/GPRS: GMSK EGPRS: 8PSK WCDMA: QPSK HSDPA/HSUPA: QPSK /16QAM LTE: QPSK/16QAM/64QAM NR: BPSK/ QPSK/16QAM/64QAM/256QAM
Device Class :	Class B, No DTM Mode
Operating Frequency Range(s):	GSM850: 824-849MHz (TX), 869-894MHz (RX) PCS1900: 1850-1910MHz (TX), 1930-1990MHz (RX) WCDMA Band2: 1850-1910MHz (TX), 1930-1990MHz (RX); WCDMA Band4: 1710-1755MHz (TX), 2110-2155MHz (RX); WCDMA Band5: 824-849MHz (TX), 869-894MHz (RX); LTE Band2: 1850-1910MHz (TX), 1930-1990MHz (RX); LTE Band4: 1710-1755MHz (TX), 2110-2155MHz (RX); LTE Band5: 824-849MHz (TX), 869-894MHz (RX); LTE Band7: 2500-2570MHz (TX), 2620-2690MHz (RX); LTE Band12: 699-716MHz (TX), 729-746MHz (RX); LTE Band13: 777-787MHz (TX), 746-756MHz (RX); LTE Band17: 704-716MHz (TX), 734-746MHz (RX);

Operating Frequency Range(s)	LTE Band38: 2570-2620MHz(TX), 2570-2620MHz(RX); LTE Band41: 2496-2690 MHz(TX), 2496-2690 MHz(RX); LTE Band42: 3450-3550 MHz(TX), 3450-3550 MHz(RX); LTE Band66:1710-1780 MHz(TX), 2110-2200 MHz(RX); NR Band5: 824-849MHz (TX), 869-894MHz (RX); NR Band7: 2500-2570MHz (TX), 2620-2690MHz (RX); NR Band12: 699-716MHz (TX), 729-746MHz (RX); NR Band38:2570-2620MHz(TX), 2570-2620MHz(RX); NR Band41:2496-2690 MHz(TX), 2496-2690 MHz(RX); NR Band66:1710-1780 MHz(TX), 2110-2200 MHz(RX); NR Band77:3450-3550 MHz(TX), 3450-3550 MHz(RX); NR Band77:3700-3980 MHz(TX), 3700-3980 MHz(RX); NR Band78:3450-3550 MHz(TX), 3450-3550 MHz(RX); NR Band78:3700-3800 MHz(TX), 3700-3800 MHz(RX); 2412MHz~2462MHz (802.11b/g/n/ax(HT20)) 2422MHz~2452MHz (802.11n/ax(HT40)) Band 1: 5180-5240 MHz Band 2: 5260-5320 MHz Band 3: 5500-5700 MHz Band 4: 5745-5825 MHz
Antenna gain:	GSM 850/WCDMA B5/LTE B5/NR N5: -3.7dbi PCS 1900/WCDMA B2/B4/LTE B2/4/66 /NR n66:-3.3dBi LTE B7/ LTE B38/ LTE B41/ NR n7/ NR n38/ NR n41:-2.4dbi LTE B12/ LTE B13/LTE B17/NR N12:-3.7dbi LTE B42/NR 77/NR 78: -3.0dBi
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/NR n66: 1.00W(30.00dBm) LTE B7/LTE B38/B41/NR n7/n38/n41: 2.00W(33.01dBm) LTE B12/B13/B17/NR n12: 3.00W(34.77dBm) LTE B42/NR n77/n78: 1.00W(30.00dBm)
Power Source:	Rechargeable Li-ion Polymer Battery :BL-77AT Nominal Voltage: 3.92V Rated Capacity:7750mAh/30.38Wh Typical Capacity:8000mAh/31.36Wh Limited Charge Voltage:4.53V

Note: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.
Laboratory	Building A-B, Baoli'an Industrial Park, No.58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China
Tel:	+86-755-26996192
Fax:	+86-755-86376605

3 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025:2017.

USA	ANAB (Certificate Number: AT-3951)
China	CNAS (Registration Number: L3732)
Canada	ISED (CAB identifier: CN0178)

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.wsct-cert.com>

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

6 Test standards:

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 D04	Interim General RF Exposure Guidance v01
4	KDB865664 D01	SAR measurement 100MHz to 6GHz v01r04
5	KDB865664 D02	RF Exposure Reporting v01r02
6	KDB941225 D01	3G SAR Procedures v03r01
7	KDB941225 D05	SAR for LTE Devices v02r05
8	KDB248227 D01	802.11 Wi-Fi SAR v02r02
9	KDB941225 D06	Hotspot Mode v02r01
10	KDB648474 D04	Handset SAR v01r03
11	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)

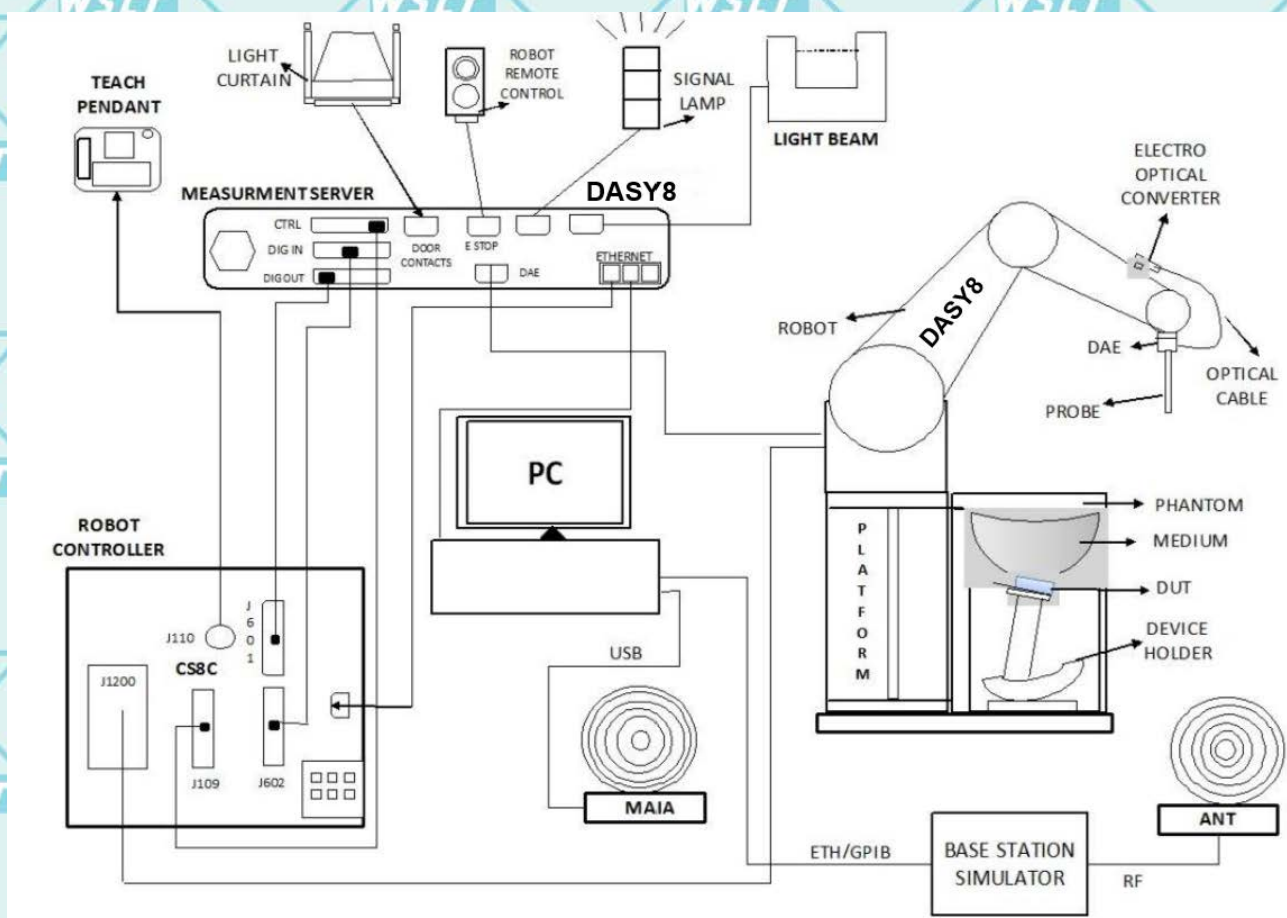
ρ = mass density of the tissue (kg/m³)

E = rms electric field strength (V/m)

7 SAR Measurement System

7.1 The Measurement System

DASY8 is a flexible, high-precision near-field scanner optimized for automated measurements in free-space and tissue simulating liquids (TSL), using the most advanced probes covering the frequency range from 3 kHz to 110 GHz. The software enables point, area, and volume measurements and conformal scanning of complex geometries.



The DASY8 SAR module consists of an isotropic dosimetric probe (SAR) mounted on the TX2 precision robot, which allows field scanning inside anthropomorphic phantoms filled with tissue-simulating liquids. The probes are miniaturized, sensitive, isotropic, linear, stable and calibrated with precise boundary compensation. The spatial accuracy of probe positioning within the phantom is better than 0.2 mm. Scanning is optimized and adaptive to the induced field. The spatial SAR peak is determined without reconstruction.

7.2 Robot

The DASY8 system uses the high-precision industrial robots TX2-60L and TX2-90XL from Stäubli SA (France). The TX2 family of robots provides the ideal combination of speed, rigidity, size, and precision:

- High precision (repeatability 0.03 mm)
- High reliability and low maintenance costs (industrial design)
- ELF interference (motor control fields are shielded by the closed metallic construction)
- Hygienic encapsulated 6-axis arm enabled by a hollow shaft gearbox, no external cables.



7.3 Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

For the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7951 with following specifications is used



Frequency: 4MHz – 10GHz ;

Linearity: $\pm 0.2\text{dB}$ (30MHz – 10GHz)

Dynamic Range: $10\mu\text{W/g}$ – 100 mW/g

Linearity: $\pm 0.2\text{dB}$ (noise: typically $< 1\mu\text{W/g}$)

Directivity (typical): $\pm 0.1\text{ dB}$ in TSL (rotation around probe axis)
 $\pm 0.3\text{ dB}$ in TSL (rotation normal to probe axis)

Sensor Arrangement	Triangular
Connector Angle	46.9°
Probe Overall Length	337mm
Probe Body Diameter	10mm
Tip Length	9mm
Tip Diameter	2.5mm
Probe Tip to Sensor X Calibration Point	1mm
Probe Tip to Sensor Y Calibration Point	1mm
Probe Tip to Sensor Z Calibration Point	1mm
Recommended Measurement Distance from Surface	1.4mm

7.4 DAE

DAE4ip– Data Acquisition Electronics 4 with Integrated Power

Data Acquisition Electronics 4 with an integrated power supply for time unlimited measurements.

Performance:

- Measurement range: -100—+300 mV (16-bit resolution and two range settings: 4 mV, 400 mV)
- Input offset voltage: <5 μ V (with auto zero)
- Input resistance: 200M Ω
- Input bias current: <50 fA
- Power supply: integrated (from the DASY8 measurement server)
- Dimensions (L $\times$ W $\times$ H): 60 $\times$ 60 $\times$ 68 mm
- Calibration: ISO/IEC 17025 calibration service available.



7.5 Phantom

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEC/IEEE 62209-1528. It enables the dosimetric evaluation of left—and Right-hand phone usage as well as body-mounted usage at the flat phantom region. A cover prevents the liquid from evaporating. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.



Material	Vinyl ester, fiberglass reinforced (VE-GF)
Liquid Compatibility	The phantom shell is compatible with SPEAG's tissue-simulating liquids (sugar and oil-based). However, using other liquids may render the phantom warranty void (see note or consult SPEAG support).
Shell Thickness	$2 \pm 0.2\text{mm}$ ($6 \pm 0.2\text{mm}$ at ear point)
Dimensions (incl. Wooden Support)	Length: 1000 mm Width: 500 mm Height: adjustable feet
Filling Volume	approx. 25 liters
Support	DASY6/8: standard-size platform slot
Accessories	DASY52 stand-alone: SPEAG standard phantom table Mounting Device and Adaptors

7.6 Device Holder

The DASY instrument holder is designed to accommodate the various positions specified in the standard. It has two scales for instrument rotation (with respect to the body axis) and instrument tilt (with respect to the line between the ear reference points). The center of rotation for both scales is the Ear Reference Point (ERP). This eliminates the need to reposition the instrument when changing angles.

The DASY instrument holder is made of low-loss POM material with the following dielectric parameters: relative permittivity $\epsilon=3$ and loss tangent $\delta=0.02$. The amount of dielectric material in the immediate vicinity of the device was reduced because measurements indicated that the influence of the clamp on the test results could be reduced.



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°.

7.7 SAR Scan General Requirement

According to kdb865664 D01 v01r04:

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013. The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements and fully documented in SAR reports, unless further guidance has been provided by the FCC.

			$\leq 3\text{ GHz}$	$>3\text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			$5\text{ mm} \pm 1\text{ mm}$	$\frac{1}{2} \delta \ln(2)\text{ mm} \pm 0.5\text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx Area , Δy Area			$\leq 2\text{ GHz}: \leq 15\text{ mm}$ $2\text{-}3\text{ GHz}: \leq 12\text{ mm}$	$3\text{-}4\text{ GHz}: \leq 12\text{ mm}$ $4\text{-}6\text{ GHz}: \leq 10\text{ mm}$
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom} , Δy_{Zoom}			$\leq 2\text{ GHz}: \leq 8\text{ mm}$ $2\text{-}3\text{ GHz}: \leq 5\text{ mm}^*$	$3\text{-}4\text{ GHz}: \leq 5\text{ mm}^*$ $4\text{-}6\text{ GHz}: \leq 4\text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		$\leq 5\text{ mm}$	$3\text{-}4\text{ GHz}: \leq 4\text{ mm}$ $4\text{-}5\text{ GHz}: \leq 3\text{ mm}$ $5\text{-}6\text{ GHz}: \leq 2\text{ mm}$
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	$\leq 4\text{ mm}$	$3\text{-}4\text{ GHz}: \leq 3\text{ mm}$ $4\text{-}5\text{ GHz}: \leq 2.5\text{ mm}$ $5\text{-}6\text{ GHz}: \leq 2\text{ mm}$
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)\text{ mm}$	
Minimum zoom scan volume	x, y,z		$\geq 30\text{ mm}$	$3\text{-}4\text{ GHz}: \geq 28\text{ mm}$ $4\text{-}5\text{ GHz}: \geq 25\text{ mm}$ $5\text{-}6\text{ GHz}: \geq 22\text{ mm}$
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.				
* When zoom scan is required and the reported SAR from the area scan based 1-g SAR estimation procedures of KDB Publication 447498 is $\leq 1.4\text{ W/kg}$, $\leq 8\text{ mm}$, $\leq 7\text{ mm}$ and $\leq 5\text{ mm}$ zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

7.8 Measurement procedure

Power Drift :

All SAR tests were performed with a fully charged battery under the DUT and transmitting at maximum output power. The DASY measurement software uses the power reference measurement and power drift measurement procedures to monitor the power drift of the DUT during SAR testing. Both methods measure the field value at a specified reference position before and after the SAR test. The software calculates the field difference in dB. If the power drift exceeds 5%, the SAR is retested.

Area scan:

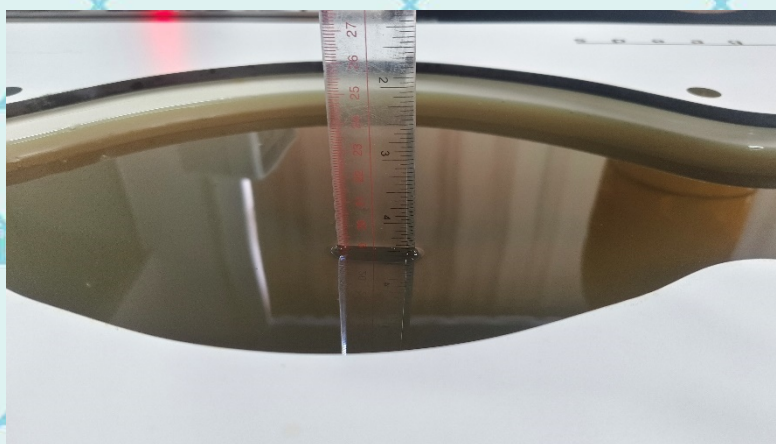
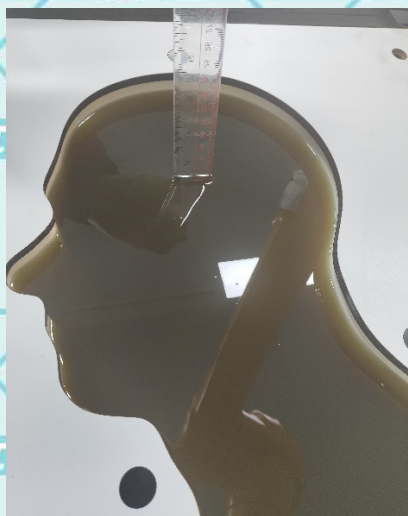
All antennas and radiating structures that may contribute to the measured SAR or influence the SAR distribution must be included in the area scan. The areas of the transmitter(s), antenna(s) and host device, when projected onto the phantom, must be within the area scan measurement region. The area scan measurement resolution must enable the extrapolation algorithms of the SAR system to correctly identify the peak SAR location(s) for subsequent zoom scan measurements to correctly determine the 1-g SAR. Area scans are performed at a constant distance from the phantom surface, determined by the measurement frequencies.

Zoom Scan:

Except when area scan based 1-g SAR estimation applies, a zoom scan measurement is required at the highest peak SAR location determined in the area scan to determine the 1-g SAR. When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR. The zoom scan volume must be larger than the required minimum dimensions described 7.7. There must be at least one measurement point within the first 5 mm from the phantom surface for measurements ≤ 3 GHz, two measurement points for measurements ≤ 5 GHz and three measurement points for measurements above 5 GHz. When graded grids are used, which only applies in the direction normal to the phantom surface, the initial grid separation closest to the phantom surface and subsequent graded grid increment ratios must satisfy the required protocols in 7.7. The 1-g SAR averaging volume must be fully contained within the zoom scan measurement volume boundaries; otherwise, the measurement must be repeated by shifting or expanding the zoom scan volume. The similar requirements also apply to 10-g SAR measurements.

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 parameters are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within $\pm 5\%$ of the target values.



Simulating Head Liquid for 5G(HBBL600-10000MHz V6), Manufactured by SPEAG:

Ingredients	(% by weight)
Water	50-65%
Mineral oil	10-30%
Emulsifiers	8-25%
Sodium salt	0-1.5%

7.10 Tissue simulating liquids: parameters

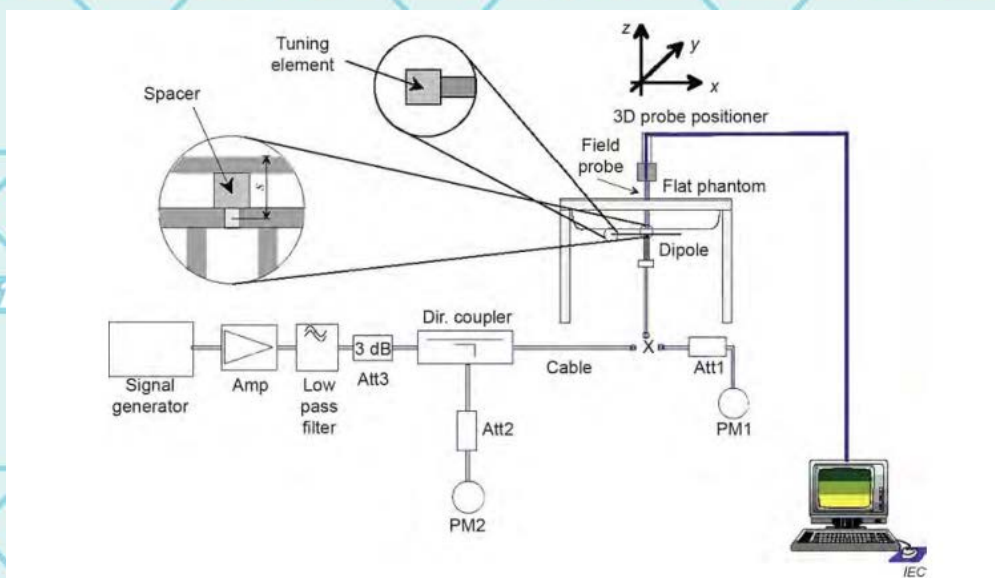
Used Target Frequency	Target Tissue		Measured Tissue		Liquid Temp.	Test Date
	ϵ_r (+/-5%)	σ (S/m) (+/-5%)	ϵ_r	σ (S/m)		
750MHz Head	41.90 (39.805~43.995)	0.89 (0.85~0.93)	43.90	0.885	21.6°C	2026-01-30
835MHz Head	41.50 (39.425~43.575)	0.90 (0.86~0.95)	41.60	0.914	21.6°C	2026-02-04
1750MHz Head	40.10 (38.10~42.10)	1.37 (1.31~1.43)	41.90	1.34	21.6°C	2026-02-07
1900MHz Head	40.00 (38.00~42.00)	1.40 (1.33~1.47)	41.70	1.44	21.6°C	2026-02-11
2450MHz Head	39.20 (37.24~41.16)	1.80 (1.71~1.89)	40.27	1.82	21.6°C	2026-02-24
2550MHz Head	39.10 (37.15~41.05)	1.91 (1.82~2.01)	40.80	1.90	21.6°C	2026-02-27
2600MHz Head	39.00 (37.05~40.95)	1.96 (1.86~2.05)	39.87	1.94	21.6°C	2026-03-03
3400MHz Head	38.00 (36.10~39.90)	2.81 (2.67~2.95)	39.30	2.63	21.6°C	2026-03-06
3500MHz Head	37.90 (36.01~39.79)	2.91 (2.77~3.05)	39.20	2.72	21.6°C	2026-03-11
3700MHz Head	37.70 (35.82~39.58)	3.12 (2.97~3.27)	38.90	2.90	21.6°C	2026-03-16
3900MHz Head	37.50 (35.63~39.37)	3.32 (2.97~3.27)	38.60	3.10	21.6°C	2026-03-19
5200MHz Head	36.00 (34.20~37.80)	4.66 (4.43~4.89)	36.30	4.54	21.6°C	2026-03-24
5500MHz Head	35.60 (33.82~37.38)	4.96 (4.71~5.20)	35.80	4.88	21.6°C	2026-03-25
5800MHz Head	35.30 (33.54~37.06)	5.27 (5.01~5.53)	35.30	5.23	21.6°C	2026-03-26
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/kg)	10-g (W/kg)	1-g (W/kg)	10-g (W/kg)		
D750V3 Body	8.46 (7.62~9.30)	5.70 (5.13~6.27)	8.58	5.70	21.6°C	2026-01-30
D835V2 Body	9.68 (8.72~10.64)	6.44 (5.80~7.08)	9.94	6.55	21.6°C	2026-02-04
D1750V2 Body	36.40 (32.76~40.04)	19.60 (17.64~21.56)	36.20	19.50	21.6°C	2026-02-07
D1900V2 Body	39.70 (35.73~43.67)	21.00 (18.90~23.10)	40.40	21.10	21.6°C	2026-02-11
D2450V2 Body	52.40 (47.16~57.64)	24.00 (21.60~26.40)	54.33	23.33	21.6°C	2026-02-24
D2550V2 Body	54.10 (48.69~59.51)	24.70 (22.23~27.17)	55.80	25.60	21.6°C	2026-02-27
D2600V2 Body	55.30 (49.77~60.83)	24.60 (22.14~27.06)	53.18	23.43	21.6°C	2026-03-03
D3400V2 Body	69.20 (62.28~76.12)	26.30 (23.67~28.93)	72.50	28.10	21.6°C	2026-03-06
D3500V2 Body	65.30 (58.77~71.83)	24.80 (22.32~27.28)	62.80	24.00	21.6°C	2026-03-11
D3700V2 Body	69.30 (62.37~76.23)	25.40 (22.86~27.94)	63.70	23.70	21.6°C	2026-03-16
D3900V2 Body	69.50 (62.55~76.45)	24.30 (21.87~26.73)	67.40	23.80	21.6°C	2026-03-19
D5200V2 Body	76.00 (68.40~83.60)	22.00 (19.80~24.20)	71.70	20.70	21.6°C	2026-03-24
D5300V2 Body	80.60 (72.54~88.66)	23.30 (20.97~25.63)	80.80	23.10	21.6°C	2026-03-24
D5500V2 Body	85.60 (77.04~94.16)	24.50 (22.05~26.95)	79.00	22.50	21.6°C	2026-03-25
D5600V2 Body	83.30 (74.97~91.63)	24.10 (21.69~26.51)	78.70	22.40	21.6°C	2026-03-25
D5800V2 Body	79.00 (71.10~86.90)	22.70 (20.43~24.97)	77.60	22.00	21.6°C	2026-03-26

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

2. The actual forward power output to the dipole antenna is 20dbm(100mw), so the measured value differs ten times from the table

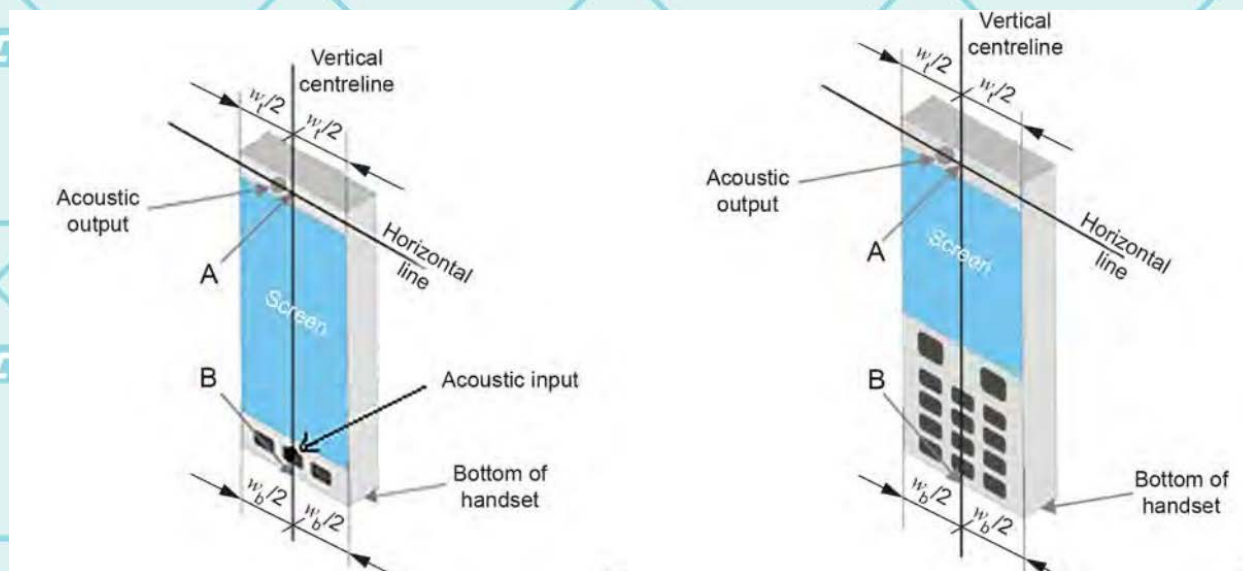
9 Test Position Configurations

9.1 Head Exposure Conditions

According to the IEEE-1528, the head phantom needs to test both "Cheek" and "Tilt" positions. Configure the DUT for voice operation, if necessary. For example, for a DUT with a flip, swivel, or slide cover piece, open the cover if this is consistent with voice operation. If the DUT can also be used with the cover closed, both configurations shall be tested.

Define two imaginary lines on the DUT, the vertical centreline and the horizontal line, relative to the DUT in vertical orientation as shown in Figure

The vertical centreline passes through two points on the front side of the DUT: the midpoint of the width w_t of the DUT at the level of the acoustic output (Point A in Figure), and the midpoint of the width w_b at the bottom of the DUT (Point B). The horizontal line is perpendicular to the vertical centerline, and passes through the centre of the acoustic output (Figure). The two lines intersect at Point A. Note that for many DUTs, Point A coincides with the centre of the acoustic output. However, the acoustic output could be located elsewhere on the horizontal line. Also note that the vertical centreline is not necessarily parallel to the front face of the DUT, especially for clamshell DUTs, DUTs with flip cover pieces, and other irregularly shaped DUTs.



Vertical and horizontal reference lines and reference points A and B on two example device types: a full touch-screen smart phone (left) and a DUT with a keypad (Right)

w_t Width of the DUT at the level of the acoustic output

w_b Width of the bottom of the DUT

A Midpoint of the width w_t of the DUT at the level of the acoustic output

B Midpoint of the width w_b of the bottom of the DUT

Cheek position:

Position the DUT close to the surface of the phantom such that Point A is on the (virtual) extension of the line passing through points RE (Right-ear ear reference point) and LE (left-ear ear reference point) on the phantom. The plane determined by the vertical centreline and the horizontal line of the DUT shall be parallel to the sagittal plane of the phantom.



Tilt position:

Place the DUT in the cheek position. While maintaining the orientation of the DUT, move the DUT away from the pinna along the line passing through RE and LE far enough to allow a rotation of the DUT away from the cheek by 15°. Rotate the DUT around the horizontal line by 15°.

While maintaining the orientation of the DUT, move the DUT towards the phantom on a line passing through RE and LE until any part of the DUT touches the ear. The tilt position is obtained when the contact is on the pinna. If the contact is at any location other than the pinna, e.g. an extended antenna in contact with the back of the head phantom, the angle of the DUT shall be reduced. In this case, the tilt position is obtained if any part of the DUT is in contact with the pinna and a second point on the DUT is in contact with the phantom, e.g. the antenna in contact with the back of the head.

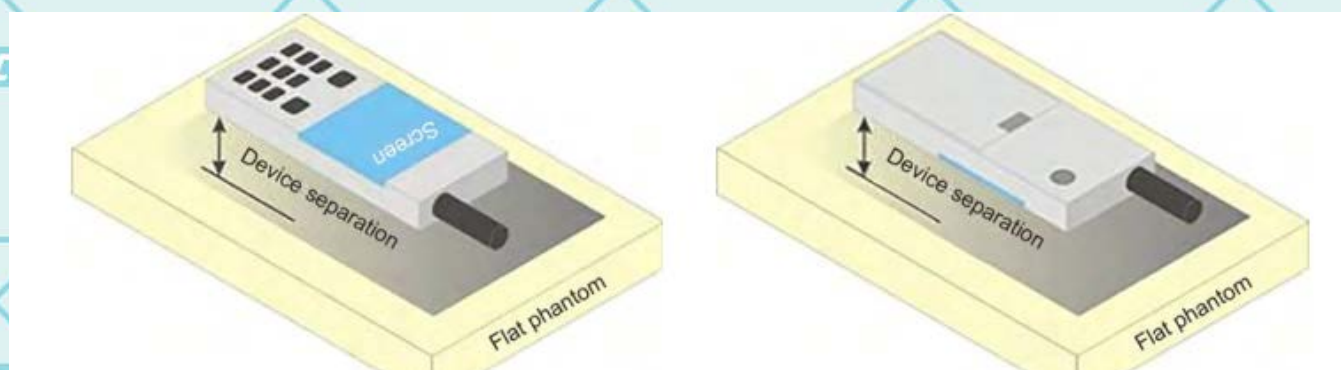


9.2 Body Exposure Condition

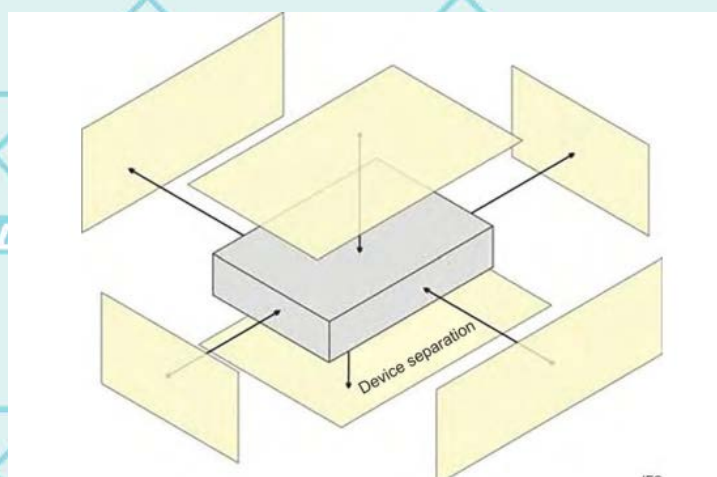
According to 447498 D04

Devices that support transmission while used with body-worn accessories must be tested for SAR compliance related to each body-worn condition of use. SAR evaluation is required for body-worn accessories supplied with the device they are attached to.

The general informing principle is that the selected test configurations must conservatively capture the various body-worn accessory use conditions expected by users. For instance, devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, must be tested for SAR compliance using a conservative minimum test separation distance not to exceed 5 mm for all use conditions required by the device.



Test positions for body-worn devices



Possible test positions for a generic device

Testing of all six faces of the DUT (see Figure) might not be required; justification shall be provided when omitting testing of some faces.

10 SAR Test Configuration

10.1 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 level 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.

10.2 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 (DPCCH, 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, α_{hs} for HS-DPCCH 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 ¹	β_c ²	β_d ²	β_d (SF) ²	β_c / β_d ²	β_{hs} (1) ²	CM(dB)(2) ²	MPR (dB) ²
1 ²	2/15 ²	15/15 ²	64 ²	2/15 ²	4/15 ²	0.0 ²	0 ²
2 ²	12/15(3) ²	15/15(3) ²	64 ²	12/15(3) ²	24/15 ²	1.0 ²	0 ²
3 ²	15/15 ²	8/15 ²	64 ²	15/8 ²	30/15 ²	1.5 ²	0.5 ²
4 ²	15/15 ²	4/15 ²	64 ²	15/4 ²	30/15 ²	1.5 ²	0.5 ²

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, TF0) 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 $\leq \frac{1}{4}$ 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.

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.

10.3 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.

10.4 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 $\frac{1}{4}$ 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

10.5 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.

11 Detailed Test Results

11.1 Conducted Power measurements

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

11.1.1 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)		35.50	35.38	35.43	35.25	-9.03	26.35	26.40	26.22
GPRS (GMSK)	1Tx slot	35.50	35.39	35.44	35.24	-9.03	26.36	26.41	26.21
	2Tx slots	35.00	34.51	34.61	34.23	-6.02	28.49	28.59	28.21
	3Tx slots	32.50	32.09	32.3	31.74	-4.26	27.83	28.04	27.48
	4Tx slots	31.00	30.71	30.91	30.27	-3.01	27.70	27.90	27.26
EGPRS (8PSK)	1Tx slot	34.50	34.14	34.12	34.11	-9.03	25.11	25.09	25.08
	2Tx slots	34.50	34.06	33.95	33.94	-6.02	28.04	27.93	27.92
	3Tx slots	34.00	33.89	33.78	33.76	-4.26	29.63	29.52	29.50
	4Tx slots	34.00	33.85	33.55	33.42	-3.01	30.84	30.54	30.41
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)		29.50	28.97	29.02	28.89	-9.03	19.94	19.99	19.86
GPRS (GMSK)	1Tx slot	29.50	29.01	29.07	28.93	-9.03	19.98	20.04	19.90
	2Tx slots	28.50	28.13	28.15	27.97	-6.02	22.11	22.13	21.95
	3Tx slots	26.50	26.13	26.13	25.89	-4.26	21.87	21.87	21.63
	4Tx slots	25.00	24.82	24.84	24.55	-3.01	21.81	21.83	21.54
EGPRS (8PSK)	1Tx slot	28.50	27.81	28.15	28.28	-9.03	18.78	19.12	19.25
	2Tx slots	28.00	27.72	27.9	27.8	-6.02	21.70	21.88	21.78
	3Tx slots	27.50	27.16	27	27.11	-4.26	22.90	22.74	22.85
	4Tx slots	27.00	26.33	26.72	26.49	-3.01	23.32	23.71	23.48

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

11.1.2 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		25.00	24.75	24.89	24.66
HSDPA	Subtest-1	25.00	24.79	23.65	22.32
	Subtest-2	25.00	21.88	24.93	23.49
	Subtest-3	25.00	22.22	21.85	24.71
	Subtest-4	23.50	23.27	22.26	21.63
HSUPA	Subtest-1	23.00	22.77	22.89	22.68
	Subtest-2	23.00	22.77	22.89	22.65
	Subtest-3	24.00	23.77	23.89	23.66
	Subtest-4	22.50	22.27	22.43	22.22
	Subtest-5	24.00	23.74	23.86	23.62
Mode		Maximum Tune-up(dBm)	WCDMA Band 4		
			Conducted Power (dBm)		
			CH1312	CH1413	CH1513
			1712.4	1732.6	1752.6
RMC 12.2K		25.50	24.92	25.06	24.72
HSDPA	Subtest-1	25.50	25.01	23.86	22.59
	Subtest-2	25.50	21.61	25.13	23.78
	Subtest-3	25.00	22.37	21.87	24.80
	Subtest-4	23.50	23.37	22.01	21.68
HSUPA	Subtest-1	23.50	22.98	23.14	22.80
	Subtest-2	23.50	22.98	23.13	22.75
	Subtest-3	24.50	24.00	24.14	23.80
	Subtest-4	23.00	22.55	22.68	22.35
	Subtest-5	24.50	23.96	24.10	23.75
Mode		Maximum Tune-up(dBm)	WCDMA Band 5		
			Conducted Power (dBm)		
			CH4132	CH4183	CH4233
			826.4	836.6	846.6
RMC 12.2K		25.50	25.24	25.14	25.05
HSDPA	Subtest-1	25.50	25.33	23.99	22.50
	Subtest-2	25.50	21.79	25.21	23.85
	Subtest-3	25.50	22.31	21.81	25.12
	Subtest-4	24.00	23.63	21.87	21.90
HSUPA	Subtest-1	23.50	23.29	23.15	23.09
	Subtest-2	23.50	23.29	23.19	23.08
	Subtest-3	24.50	24.31	24.20	24.11
	Subtest-4	23.00	22.81	22.71	22.63
	Subtest-5	24.50	24.31	24.19	24.11

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.

11.1.3 Conducted Power of LTE Band 2

LTE-FDD Band 2					Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18607	18900	19193
1.4MHz	QPSK	1	0	23.00	22.76	22.60	22.92
			2	23.00	22.78	22.63	22.88
			5	23.00	22.75	22.61	22.83
		3	0	23.00	22.66	22.52	22.78
			2	23.00	22.64	22.52	22.77
			3	23.00	22.69	22.53	22.74
	16QAM	6	0	22.00	21.74	21.56	21.82
			0	22.00	21.92	21.83	21.74
			2	22.00	21.83	21.76	21.69
		3	5	22.00	21.85	21.85	21.76
			0	22.00	21.88	21.77	21.93
			2	22.00	21.85	21.78	21.92
3MHz	QPSK	1	3	22.00	21.87	21.77	21.94
			0	21.00	20.90	20.76	20.98
		8	0	23.00	22.86	22.66	22.94
			7	23.00	22.77	22.64	22.92
			14	23.00	22.78	22.61	22.90
		15	0	22.00	21.82	21.65	21.90
			4	22.00	21.79	21.62	21.88
			7	22.00	21.77	21.68	21.86
	16QAM	1	0	22.00	21.79	21.67	21.90
			0	22.50	22.17	21.89	21.81
			7	22.50	22.11	21.86	21.73
		8	14	22.50	22.09	21.83	21.75
			0	21.00	20.83	20.66	20.91
			4	21.00	20.81	20.66	20.87
		15	7	21.00	20.78	20.70	20.87
			0	21.00	20.84	20.62	21.00
5MHz	QPSK	1	0	23.00	22.93	22.76	22.98
			13	23.00	22.86	22.74	22.89
			24	23.00	22.83	22.76	22.81
		12	0	22.00	21.86	21.67	21.99
			6	22.00	21.77	21.68	21.91
			13	22.00	21.79	21.68	21.91
		25	0	22.00	21.87	21.75	21.99
			0	22.50	22.35	22.08	22.28
			13	22.50	22.28	22.04	22.20
	16QAM	1	24	22.50	22.25	22.05	22.19
			0	21.50	20.82	20.64	21.02
			6	21.00	20.77	20.66	20.96
		12	13	21.00	20.78	20.67	20.98
			0	21.00	20.76	20.74	20.95

LTE-FDD Band 2				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		18650 1855.0MHz	18900 1880.0MHz	19150 1905.0MHz
10MHz	QPSK	1	0	23.50	22.82	22.82	23.05
			25	23.00	22.68	22.74	22.94
			49	23.00	22.70	22.78	22.94
		25	0	22.50	21.76	21.68	22.02
			13	22.00	21.74	21.67	21.99
			25	22.00	21.71	21.68	21.94
	16QAM	50	0	22.00	21.78	21.70	21.97
			0	22.50	22.00	21.67	22.41
			25	22.50	21.87	21.55	22.34
		1	49	22.50	21.87	21.63	22.26
			0	21.50	20.75	20.66	21.01
			13	21.00	20.73	20.64	20.97
15MHz	QPSK	25	25	21.00	20.72	20.67	20.96
			0	21.00	20.77	20.67	20.98
			0	23.50	22.96	22.88	23.07
		36	38	23.50	22.78	22.79	23.10
			74	23.50	22.79	22.77	23.01
			0	22.00	21.74	21.69	21.97
	16QAM	75	18	22.00	21.67	21.67	21.94
			39	22.00	21.68	21.71	21.91
			0	22.00	21.73	21.71	21.94
		1	0	22.50	22.28	22.00	22.10
			38	22.50	22.01	21.87	22.04
			74	22.50	22.12	21.97	22.06
20MHz	QPSK	36	0	21.00	20.81	20.78	20.96
			18	21.00	20.72	20.77	20.94
			39	21.00	20.73	20.78	20.91
		75	0	21.00	20.69	20.67	20.99
			0	18700	1860.0MHz	18900	19100
			0	23.00	22.96	22.95	22.96
	16QAM	1	50	23.50	22.82	22.88	23.02
			99	23.00	22.85	22.93	22.97
			0	22.00	21.78	21.75	21.99
		50	25	22.50	21.73	21.72	22.01
			50	22.00	21.72	21.77	21.96
			0	22.50	21.74	21.77	22.01
25MHz	QPSK	100	0	22.50	22.31	22.08	22.27
			50	22.50	22.05	21.92	22.27
			99	22.50	22.21	22.06	22.27
		1	0	21.50	20.84	20.74	21.05
			25	21.50	20.80	20.71	21.07
			50	21.50	20.78	20.75	21.01
	16QAM	50	0	21.50	20.76	20.74	21.04
			0	21.50	20.76	20.74	21.04
			0	21.50	20.76	20.74	21.04
		100	0	21.50	20.76	20.74	21.04
			0	21.50	20.76	20.74	21.04
			0	21.50	20.76	20.74	21.04

11.1.4 Conducted Power of LTE Band 4

LTE-FDD Band 4					Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	19957 1710.7MHz	20175 1732.5MHz	20393 1754.3MHz
1.4MHz	QPSK	1	0	23.50	23.04	23.00	22.95
			2	23.50	23.08	23.03	23.01
			5	23.50	23.08	23.02	22.96
		3	0	23.00	22.94	22.81	22.93
			2	23.00	22.94	22.81	22.89
			3	23.00	22.95	22.84	22.92
	16QAM	6	0	22.50	22.05	21.95	21.97
			0	22.50	22.21	22.15	22.20
			2	22.50	22.17	22.08	22.16
		3	5	22.50	22.25	22.14	22.24
			0	22.50	22.18	22.05	22.19
			2	22.50	22.16	22.03	22.20
3MHz	QPSK	1	3	22.50	22.15	22.07	22.16
			0	21.50	21.23	21.07	21.15
		8	0	23.50	23.08	22.98	23.09
			7	23.50	23.06	23.01	23.07
			14	23.50	23.09	22.97	23.07
		15	0	22.50	22.10	21.99	22.06
			4	22.50	22.09	21.98	22.06
			7	22.50	22.10	22.00	22.07
	16QAM	1	0	22.50	22.12	22.00	22.06
			0	22.50	22.47	22.24	21.95
			7	22.50	22.43	22.20	21.91
		8	14	22.50	22.40	22.23	21.93
			0	21.50	21.12	21.04	21.07
			4	21.50	21.12	21.02	21.07
		15	7	21.50	21.13	21.02	21.07
			0	21.50	21.18	20.95	21.16
5MHz	QPSK	1	0	23.50	23.20	23.06	23.03
			13	23.50	23.18	23.06	23.03
			24	23.50	23.14	23.08	23.05
		12	0	22.50	22.17	22.01	22.09
			6	22.50	22.11	22.00	22.09
			13	22.50	22.11	21.99	22.08
		25	0	22.50	22.18	22.05	22.15
			0	23.00	22.63	22.38	22.36
			13	23.00	22.63	22.41	22.35
	16QAM	1	24	23.00	22.56	22.39	22.42
			0	21.50	21.17	21.01	21.14
		12	6	21.50	21.10	20.97	21.11
			13	21.50	21.12	20.98	21.13
		25	0	21.50	21.08	21.06	21.10

LTE-FDD Band 4				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20000 1715.0MHz	20175 1732.5MHz	20350 1750.0MHz
10MHz	QPSK	1	0	23.50	23.21	23.06	23.09
			25	23.50	23.07	22.97	23.04
			49	23.50	23.10	23.02	23.11
		25	0	22.50	22.10	22.02	21.99
			13	22.50	22.07	22.01	22.01
			25	22.50	22.06	22.01	22.03
	16QAM	50	0	22.50	22.08	22.02	22.04
			0	23.00	22.53	22.23	21.95
			25	22.50	22.38	22.20	21.90
		1	49	22.50	22.42	22.20	21.93
			0	21.50	21.11	21.01	20.99
			13	21.50	21.06	20.99	21.00
15MHz	QPSK	25	25	21.50	21.06	21.00	21.01
			0	21.50	21.08	21.07	21.02
			0	21.50	21.08	21.07	21.02
		36	0	23.50	23.21	23.07	23.23
			38	23.50	23.04	23.05	23.10
			74	23.50	23.04	22.99	23.15
	16QAM	75	0	22.50	22.06	22.00	22.02
			18	22.00	21.97	21.97	21.95
			39	22.00	21.97	21.97	21.99
		1	0	22.50	22.05	22.01	22.05
			0	23.00	22.58	22.31	22.21
			38	22.50	22.36	22.22	22.06
20MHz	QPSK	36	74	22.50	22.40	22.21	22.17
			0	21.50	21.12	21.09	21.02
			18	21.50	21.03	21.05	20.95
		36	39	21.50	21.01	21.06	20.98
			0	21.50	21.05	21.00	21.09
			0	21.50	21.05	21.00	21.09
	16QAM	75	0	20050	20175	20300	
			0	23.50	23.20	23.14	23.14
			50	23.50	23.10	23.13	23.05
		50	99	23.50	23.07	23.08	23.08
			0	22.50	22.05	22.05	22.06
			25	22.50	22.02	22.04	22.03
20MHz	QPSK	50	50	22.50	22.00	22.01	22.02
			0	22.50	22.06	22.05	22.07
			0	23.00	22.68	22.35	22.47
	16QAM	1	50	22.50	22.40	22.26	22.30
			99	22.50	22.48	22.29	22.40
			0	21.50	21.15	21.04	21.12
	16QAM	50	25	21.50	21.07	21.02	21.09
			50	21.50	21.07	21.01	21.08
			0	21.50	21.08	21.07	21.11

11.1.5 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	25.00	25.00	24.77	24.77	
			2	25.00	24.99	24.75	24.76	
			5	25.00	24.98	24.72	24.76	
		3	0	25.00	24.86	24.68	24.65	
			2	25.00	24.84	24.66	24.63	
			3	25.00	24.86	24.66	24.63	
	16QAM	6	0	24.00	23.90	23.68	23.70	
			1	0	24.50	24.06	23.96	23.63
				2	24.00	23.98	23.89	23.56
		3		5	24.50	24.07	23.95	23.61
			3	0	24.50	24.04	23.88	23.80
				2	24.50	24.03	23.86	23.82
3	24.50	24.02		23.89	23.83			
6	0	23.50	23.07	22.84	22.88			
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20415	20525	20635	
					825.5MHz	836.5MHz	847.5MHz	
3MHz	QPSK	1	0	25.00	25.00	24.83	24.80	
			7	25.50	25.02	24.78	24.81	
			14	25.00	24.99	24.73	24.85	
		8	0	24.00	23.99	23.81	23.79	
			4	24.00	23.95	23.78	23.77	
			7	24.00	23.95	23.75	23.77	
	16QAM	15	0	24.00	23.98	23.78	23.81	
		1	0	24.50	24.39	24.05	23.68	
			7	24.50	24.32	23.96	23.60	
			14	24.50	24.31	23.94	23.63	
		8	0	23.50	23.02	22.81	22.81	
			4	23.00	22.98	22.78	22.78	
7	23.00		22.95	22.77	22.78			
15	0	23.50	23.02	22.73	22.88			

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	25.50	25.11	24.93	24.73
			13	25.50	25.06	24.87	24.75
			24	25.50	25.07	24.83	24.76
		12	0	24.50	24.02	23.85	23.78
			6	24.00	24.00	23.79	23.78
			13	24.00	24.00	23.75	23.79
	16QAM	25	0	24.50	24.02	23.83	23.83
		1	0	25.00	24.51	24.24	24.01
			13	24.50	24.46	24.14	24.03
			24	24.50	24.49	24.07	24.10
		12	0	23.50	23.01	22.82	22.82
			6	23.00	22.97	22.75	22.81
13	23.00		22.98	22.73	22.83		
25	0	23.00	22.98	22.84	22.78		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20450	20525	20600
					829.0MHz	836.5MHz	844.0MHz
10MHz	QPSK	1	0	25.50	25.08	24.89	24.84
			25	25.00	24.98	24.79	24.77
			49	25.00	24.88	24.72	24.88
		25	0	24.00	23.97	23.85	23.69
			13	24.00	23.99	23.78	23.74
			25	24.00	23.93	23.74	23.82
	16QAM	50	0	24.00	23.96	23.80	23.78
		1	0	24.50	24.41	24.06	23.73
			25	24.50	24.31	23.96	23.57
			49	24.50	24.28	23.91	23.70
		25	0	23.00	22.99	22.82	22.70
			13	23.00	22.96	22.78	22.73
			25	23.00	22.94	22.72	22.78
		50	0	23.00	22.96	22.82	22.74

11.1.6 Conducted Power of LTE Band 7

LTE-FDD Band 7				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20775	21100	21425
					2502.5MHz	2535.0MHz	2567.5MHz
5MHz	QPSK	1	0	22.50	21.26	21.87	22.38
			13	22.50	21.40	21.99	22.33
			24	22.50	21.47	21.97	22.07
		12	0	21.50	20.46	20.91	21.39
			6	21.50	20.44	20.87	21.28
			13	21.50	20.54	20.90	21.20
	25	0	21.50	20.52	20.95	21.33	
	16QAM	1	0	22.00	20.74	21.40	21.80
			13	22.00	20.74	21.46	21.61
			24	22.00	20.87	21.43	21.59
		12	0	20.50	19.53	19.93	20.34
			6	20.50	19.54	19.87	20.26
13			20.50	19.63	19.90	20.18	
25	0	20.50	19.50	19.84	20.35		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20800	21100	21400
					2505.0MHz	2535.0MHz	2565.0MHz
10MHz	QPSK	1	0	22.50	21.31	21.84	22.50
			25	22.50	21.41	21.89	22.41
			49	22.50	21.60	22.00	22.16
		25	0	21.50	20.44	20.93	21.50
			13	21.50	20.50	20.97	21.43
			25	21.50	20.65	20.95	21.32
	50	0	21.50	20.54	20.96	21.42	
	16QAM	1	0	21.50	20.80	21.07	21.40
			25	21.50	20.86	21.16	21.28
			49	21.50	21.07	21.22	21.09
		25	0	20.50	19.50	19.91	20.44
			13	20.50	19.57	19.95	20.36
25			20.50	19.70	19.95	20.28	
50	0	20.50	19.55	19.95	20.33		

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20825	21100	21375
					2057.5MHz	2535.0MHz	2562.5MHz
15MHz	QPSK	1	0	23.00	21.33	21.80	22.61
			38	23.00	21.52	21.93	22.60
			74	22.50	21.66	22.00	22.24
		36	0	22.00	20.44	20.85	21.51
			18	21.50	20.59	20.92	21.40
			39	21.50	20.69	20.93	21.33
	16QAM	75	0	21.50	20.57	20.94	21.40
			0	22.00	20.81	21.07	21.62
			38	22.00	20.96	21.18	21.57
		1	74	21.50	21.15	21.27	21.34
			0	20.50	19.53	19.92	20.43
			18	20.50	19.66	19.97	20.35
		36	0	20.50	19.76	19.99	20.32
			39	20.50	19.57	19.90	20.38
20MHz	QPSK	1	0	22.50	21.31	21.88	22.32
			50	23.00	21.62	22.01	22.51
			99	22.50	21.78	22.20	22.16
		50	0	22.00	20.50	20.91	21.58
			25	22.00	20.65	20.97	21.52
			50	21.50	20.78	21.01	21.42
		100	0	21.50	20.59	20.99	21.46
			0	22.00	20.78	21.13	21.71
			50	22.00	21.02	21.21	21.82
	16QAM	1	99	22.00	21.17	21.45	21.55
			0	21.00	19.59	19.88	20.57
			25	21.00	19.76	19.97	20.51
		50	0	20.50	19.84	19.99	20.41
			50	20.50	19.64	19.96	20.40
			0	20.50	19.64	19.96	20.40

11.1.7 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	24.00	23.39	23.26	23.53
			2	23.50	23.38	23.36	23.49
			5	23.50	23.35	23.33	23.44
		3	0	23.50	23.23	23.24	23.35
			2	23.50	23.21	23.19	23.34
			3	23.50	23.24	23.24	23.37
		6	0	22.50	22.35	22.29	22.48
	16QAM	1	0	23.00	22.53	22.55	22.66
			2	23.00	22.44	22.53	22.55
			5	23.00	22.51	22.59	22.61
		3	0	23.00	22.49	22.50	22.64
			2	23.00	22.47	22.49	22.61
			3	23.00	22.45	22.55	22.60
6	0	22.00	21.50	21.47	21.65		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	23025	23095	23165
					700.5MHz	707.5MHz	714.5MHz
3MHz	QPSK	1	0	23.50	23.42	23.30	23.46
			7	24.00	23.37	23.37	23.56
			14	23.50	23.37	23.32	23.50
		8	0	23.00	22.46	22.39	22.54
			4	22.50	22.42	22.38	22.50
			7	22.50	22.42	22.38	22.49
		15	0	23.00	22.45	22.40	22.58
	16QAM	1	0	23.00	22.86	22.57	22.37
			7	23.00	22.78	22.60	22.39
			14	23.00	22.79	22.59	22.36
		8	0	22.00	21.47	21.42	21.55
			4	22.00	21.44	21.39	21.52
			7	21.50	21.45	21.41	21.49
15	0	22.00	21.48	21.38	21.61		

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	23.48	23.41	23.36
			13	23.50	23.43	23.44	23.44
			24	23.50	23.42	23.45	23.43
		12	0	22.50	22.48	22.43	22.47
			6	22.50	22.45	22.40	22.50
			13	23.00	22.45	22.41	22.55
	16QAM	25	0	23.00	22.52	22.49	22.56
			0	23.50	23.02	22.77	22.77
			13	23.00	22.91	22.78	22.80
		1	24	23.00	22.93	22.81	22.85
			0	21.50	21.45	21.39	21.47
			6	22.00	21.44	21.38	21.53
10MHz	QPSK	12	13	22.00	21.43	21.39	21.55
			0	22.00	21.43	21.48	21.53
			25	22.00	21.43	21.48	21.53
	16QAM	25	0	22.00	21.43	21.48	21.53
			0	22.00	21.43	21.48	21.53
			25	22.00	21.43	21.48	21.53
10MHz	QPSK	1	0	23.50	23.50	23.42	23.39
			25	23.50	23.38	23.36	23.38
			49	24.00	23.49	23.38	23.55
		25	0	22.50	22.43	22.42	22.48
			13	22.50	22.44	22.43	22.47
			25	22.50	22.44	22.46	22.50
	16QAM	50	0	22.50	22.46	22.45	22.49
			0	23.00	22.38	22.83	22.58
			25	23.00	22.28	22.85	22.63
		25	49	23.00	22.33	22.83	22.72
			0	21.50	21.42	21.45	21.46
			13	21.50	21.42	21.42	21.44
10MHz	QPSK	25	25	21.50	21.43	21.45	21.50
			0	22.00	21.40	21.41	21.51
			0	22.00	21.40	21.41	21.51
	16QAM	50	0	22.00	21.40	21.41	21.51
			0	22.00	21.40	21.41	21.51
			25	22.00	21.40	21.41	21.51

11.1.8 Conducted Power of LTE Band 13

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23205	23230	23255
					779.5MHz	782.0MHz	784.5MHz
5MHz	QPSK	1	0	24.00	23.61	23.60	23.96
			13	24.00	23.65	23.76	24.00
			24	24.50	23.82	23.81	24.02
		12	0	23.00	22.63	22.74	22.85
			6	23.00	22.64	22.76	22.85
			13	23.00	22.69	22.82	22.89
	16QAM	25	0	23.00	22.73	22.84	22.90
		1	0	23.50	22.92	23.00	23.36
			13	23.50	22.99	23.07	23.35
			24	23.50	23.14	23.20	23.45
		12	0	22.00	21.60	21.78	21.86
			6	22.00	21.62	21.82	21.84
			13	22.00	21.67	21.87	21.88
		25	0	22.00	21.73	21.79	21.85
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23230		
					782.0MHz		
10MHz	QPSK	1	0	24.00	23.67		
			25	24.00	23.82		
			49	24.50	24.01		
		25	0	23.00	22.72		
			13	23.00	22.75		
			25	23.00	22.88		
	16QAM	50	0	23.00	22.81		
		1	0	23.50	23.02		
			25	23.50	23.12		
			49	23.50	23.38		
		25	0	22.00	21.72		
			13	22.00	21.79		
			25	22.00	21.90		
		50	0	22.00	21.80		

11.1.9 Conducted Power of LTE Band 17

LTE-FDD Band 17					Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23755 706.5MHz	23790 710.0MHz	23825 713.5MHz
5MHz	QPSK	1	0	24.00	23.46	23.36	23.52
			13	24.00	23.44	23.37	23.51
			24	24.00	23.43	23.39	23.58
		12	0	23.00	22.41	22.44	22.51
			6	22.50	22.40	22.41	22.47
			13	23.00	22.38	22.44	22.52
	16QAM	25	0	23.00	22.47	22.47	22.60
			0	23.50	22.77	22.71	23.02
			13	23.00	22.74	22.75	22.98
		12	24	23.50	22.75	22.80	23.07
			0	21.50	21.37	21.43	21.48
			6	21.50	21.35	21.44	21.47
10MHz	QPSK	13	13	21.50	21.36	21.47	21.49
			25	22.00	21.46	21.42	21.51
			0	22.00	21.46	21.42	21.51
		25	0	22.00	21.46	21.42	21.51
			0	23.00	22.82	22.55	22.33
			25	23.00	22.78	22.60	22.32
		50	49	23.00	22.86	22.67	22.45
			0	21.50	21.42	21.41	21.42
			13	21.50	21.43	21.42	21.46
	16QAM	25	25	21.50	21.47	21.48	21.46
			0	21.50	21.44	21.47	21.46
			0	21.50	21.44	21.47	21.46
		50	0	21.50	21.44	21.47	21.46
			0	21.50	21.44	21.47	21.46
			0	21.50	21.44	21.47	21.46
		50	0	21.50	21.44	21.47	21.46
			0	21.50	21.44	21.47	21.46
			0	21.50	21.44	21.47	21.46

11.1.10 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	22.50	22.16	22.13	22.20
			13	22.50	22.16	22.12	22.17
			24	22.50	22.18	22.12	22.22
		12	0	21.50	21.12	21.16	21.11
			6	21.50	21.11	21.13	21.07
			13	21.50	21.12	21.14	21.10
	16QAM	25	0	21.50	21.18	21.17	21.15
			0	22.00	21.43	21.48	21.74
			13	22.00	21.39	21.46	21.70
		1	24	22.00	21.44	21.48	21.72
			0	20.50	20.10	20.18	20.12
			6	20.50	20.08	20.17	20.07
10MHz	QPSK	12	13	20.50	20.09	20.18	20.12
			0	20.50	20.20	20.13	20.06
		25	0	20.50	20.20	20.13	20.06
			0	22.00	21.68	21.40	21.15
			25	22.00	21.62	21.41	21.05
			49	22.00	21.71	21.41	21.10
	16QAM	25	0	20.50	20.21	20.20	20.12
			13	20.50	20.18	20.19	20.09
			25	20.50	20.23	20.22	20.12
		50	0	20.50	20.19	20.23	20.09
			0	22.50	22.19	22.26	22.20
			25	22.50	22.17	22.26	22.14

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37825	38000	38175
					2577.5MHz	2595.0MHz	2612.5MHz
15MHz	QPSK	1	0	22.50	22.17	22.13	22.18
			38	22.50	22.23	22.12	22.09
			74	22.50	22.24	22.13	22.09
		36	0	21.50	21.08	21.04	21.02
			18	21.50	21.07	21.04	20.99
			39	21.50	21.09	21.05	20.97
	16QAM	75	0	21.50	21.10	21.08	21.01
		1	0	22.00	21.36	21.64	21.34
			38	22.00	21.32	21.56	21.24
			74	22.00	21.34	21.65	21.27
		36	0	20.50	20.08	20.10	20.12
			18	20.50	20.06	20.11	20.10
39	20.50		20.08	20.12	20.08		
75	0	20.50	20.12	20.08	19.99		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	38750	38000	38150
					2580.0MHz	2595.0MHz	2610.0MHz
20MHz	QPSK	1	0	22.50	22.14	22.19	22.18
			50	22.50	22.12	22.18	22.09
			99	22.50	22.12	22.21	22.10
		50	0	21.50	21.14	21.15	21.07
			25	21.50	21.14	21.13	21.05
			50	21.50	21.14	21.14	21.03
	16QAM	100	0	21.50	21.15	21.12	21.07
		1	0	21.50	21.43	21.43	21.47
			50	21.50	21.40	21.38	21.35
			99	21.50	21.44	21.44	21.36
		50	0	20.50	20.20	20.14	20.16
			25	20.50	20.20	20.12	20.12
50	20.50		20.22	20.12	20.10		
100	0	20.50	20.18	20.12	20.10		

11.1.11 ConductePower of LTE Band 41

LTE-TDD Band 41				Maximum Tune- up(dBm)	Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset		39675 2498.5MHz	40160 2552.0MHz	40620 2593 MHz	41080 2639.5 MHz	41565 2687.5 MHz
5MHz	QPSK	1	0	22.50	22.49	15.14	8.79	15.00	22.20
			13	22.50	22.45	15.20	8.95	15.08	22.21
			24	22.50	22.49	15.18	8.87	15.05	22.22
		12	0	22.50	21.36	14.15	7.94	14.58	22.21
			6	22.50	21.34	14.16	7.97	14.59	22.20
			13	22.50	21.34	14.16	7.97	14.58	22.19
	16QAM	25	0	22.50	21.45	14.21	7.97	14.60	22.22
			0	22.50	21.95	14.60	8.24	14.73	22.21
			13	22.50	21.91	14.61	8.31	14.76	22.20
		1	24	22.50	21.94	14.61	8.28	14.75	22.21
			0	22.50	20.38	13.19	7.00	14.11	22.21
			6	22.50	20.34	13.15	6.96	14.09	22.21
		12	13	22.50	20.37	13.19	7.01	14.11	22.21
			25	22.50	20.35	13.14	6.92	14.07	22.21
		25	0	22.50	20.35	13.14	6.92	14.07	22.21
			0	22.50	20.35	13.14	6.92	14.07	22.21
			0	22.50	20.35	13.14	6.92	14.07	22.21
10MHz	QPSK	1	0	23.00	22.52	21.99	22.46	21.90	22.33
			25	22.50	22.47	21.97	22.46	21.86	22.26
			49	23.00	22.47	22.00	22.52	21.91	22.30
		25	0	22.00	21.52	20.98	21.43	20.86	21.29
			13	21.50	21.48	20.95	21.41	20.83	21.24
			25	21.50	21.46	20.95	21.44	20.85	21.26
	16QAM	50	0	21.50	21.49	20.98	21.47	20.87	21.26
			0	22.50	22.01	21.31	21.61	20.95	21.29
			25	22.00	21.90	21.27	21.64	20.92	21.20
		1	49	22.00	21.96	21.32	21.67	20.97	21.27
			0	21.00	20.53	19.98	20.42	19.85	20.28
			13	20.50	20.46	19.94	20.42	19.85	20.27
		25	25	20.50	20.45	19.96	20.46	19.87	20.28
			25	20.50	20.45	19.96	20.46	19.87	20.28
			25	20.50	20.45	19.96	20.46	19.87	20.28
			25	20.50	20.45	19.96	20.46	19.87	20.28

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	22.31	21.85	22.38	21.90	22.41
			38	22.50	22.31	21.86	22.40	21.90	22.40
			74	22.50	22.20	21.77	22.34	21.88	22.41
		36	0	21.50	21.47	20.98	21.48	20.94	21.40
			18	21.50	21.44	20.94	21.43	20.95	21.46
			39	21.50	21.36	20.93	21.49	20.96	21.43
	16QAM	75	0	22.50	21.42	21.46	22.49	21.51	21.52
			0	22.50	21.68	21.57	22.46	21.52	21.58
			38	22.50	21.66	21.50	22.33	21.52	21.70
		36	74	22.00	21.43	21.06	21.69	21.21	21.72
			0	22.50	20.43	20.89	22.34	20.87	20.40
			18	23.00	20.44	21.00	22.56	21.02	20.47
20MHz	QPSK	1	39	22.50	20.31	20.84	22.36	20.92	20.47
			0	22.50	22.48	21.94	22.40	21.88	22.35
			50	22.50	22.38	21.88	22.37	21.84	22.30
		50	99	22.50	22.40	21.93	22.45	21.87	22.29
			0	21.50	21.39	20.86	21.32	20.76	21.20
			25	21.50	21.36	20.84	21.31	20.74	21.17
	16QAM	100	50	21.50	21.35	20.84	21.33	20.75	21.16
			0	21.50	21.39	20.86	21.32	20.77	21.22
		1	0	22.00	21.96	21.27	21.58	21.04	21.49
			50	22.00	21.83	21.21	21.59	21.00	21.40
			99	22.00	21.89	21.26	21.63	21.03	21.42
		50	0	20.50	20.45	19.94	20.42	19.81	20.20
			25	20.50	20.42	19.92	20.41	19.80	20.18
			50	20.50	20.41	19.92	20.42	19.80	20.18

11.1.12 Conducted Power of LTE Band 42(3450-3550)

LTE-TDD Band 42				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		42115	42590	43065	
					3452.5MHz	3500.0MHz	3547.5MHz	
5MHz	QPSK	1	0	22.00	21.57	21.37	21.70	
			13	22.00	21.56	21.36	21.69	
			24	22.00	21.50	21.42	21.77	
		12	0	21.00	20.39	20.23	20.54	
			6	20.50	20.30	20.24	20.47	
			13	20.50	20.30	20.26	20.49	
	16QAM	25	0	20.50	20.36	20.27	20.49	
			1	0	21.50	20.68	20.56	21.13
				13	21.50	20.61	20.57	21.06
		24		21.50	20.62	20.59	21.13	
		12	0	20.00	19.35	19.26	19.51	
			6	19.50	19.29	19.30	19.48	
13	19.50		19.27	19.30	19.49			
25	0	19.50	19.38	19.20	19.44			
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	42140	42590	43040	
					3455.0MHz	3500.0MHz	3545.0MHz	
10MHz	QPSK	1	0	22.00	21.53	21.39	21.61	
			25	22.00	21.48	21.41	21.66	
			49	22.00	21.42	21.44	21.73	
		25	0	20.50	20.33	20.22	20.45	
			13	20.50	20.29	20.19	20.43	
			25	21.00	20.27	20.27	20.51	
	16QAM	50	0	20.50	20.29	20.25	20.44	
			1	0	21.00	20.86	20.39	20.42
				25	21.00	20.68	20.42	20.42
		25		49	21.00	20.79	20.51	20.50
			0	19.50	19.36	19.24	19.45	
			13	19.50	19.29	19.22	19.45	
25	25	20.00	19.26	19.28	19.51			

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	42165	42590	43015
					3457.5MHz	3500.0MHz	3542.5MHz
15MHz	QPSK	1	0	22.00	21.50	21.36	21.55
			38	22.00	21.39	21.45	21.69
			74	22.00	21.52	21.48	21.79
		36	0	20.50	20.25	20.21	20.37
			18	20.50	20.26	20.21	20.42
			39	20.50	20.25	20.25	20.49
	16QAM	1	0	21.00	20.82	20.34	20.48
			38	21.00	20.71	20.51	20.63
			74	21.00	20.80	20.48	20.74
		36	0	19.50	19.34	19.30	19.39
			18	19.50	19.32	19.33	19.41
			39	19.50	19.33	19.36	19.47
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	42190	42590	42990
					3460.0MHz	3500.0MHz	3540.0MHz
20MHz	QPSK	1	0	22.00	21.55	21.40	21.35
			50	22.00	21.44	21.51	21.56
			99	22.00	21.64	21.52	21.69
		50	0	20.50	20.30	20.22	20.33
			25	20.50	20.31	20.31	20.44
			50	20.50	20.33	20.30	20.48
	16QAM	100	0	20.50	20.33	20.25	20.39
			0	21.00	20.64	20.40	20.39
			50	21.00	20.57	20.52	20.64
		50	99	21.00	20.70	20.55	20.74
			0	19.50	19.40	19.22	19.36
			25	19.50	19.36	19.31	19.48
			50	20.00	19.43	19.33	19.54

1.1.1 Conducted Power of LTE Band 42(3550-3600)

LTE-TDD Band 42				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		43115 3552.5MHz	43340 3575MHz	43565 3597.5MHz
5MHz	QPSK	1	0	23.00	22.66	22.62	22.38
			13	23.00	22.63	22.54	22.43
			24	23.00	22.64	22.52	22.49
		12	0	21.50	21.46	21.43	21.20
			6	21.50	21.42	21.41	21.22
			13	21.50	21.44	21.39	21.27
	16QAM	25	0	21.50	21.49	21.46	21.25
			0	22.00	21.74	21.80	21.75
			13	22.00	21.70	21.73	21.79
		1	24	22.00	21.70	21.71	21.86
			0	20.50	20.46	20.48	20.19
			6	20.50	20.42	20.44	20.20
10MHz	QPSK	12	13	20.50	20.41	20.42	20.25
			0	21.00	20.51	20.43	20.19
		25	0	21.00	20.51	20.43	20.19
	16QAM	1	0	23.00	22.67	22.65	22.33
			25	23.00	22.57	22.58	22.30
			49	23.00	22.57	22.57	22.44
	QPSK	25	0	21.50	21.47	21.41	21.16
			13	21.50	21.43	21.39	21.15
			25	21.50	21.41	21.39	21.20
	16QAM	50	0	21.50	21.43	21.43	21.20
			0	22.00	21.98	21.63	21.14
			25	22.00	21.84	21.53	21.10
	QPSK	1	49	22.00	21.91	21.54	21.27
			0	20.50	20.46	20.41	20.16
			13	20.50	20.41	20.41	20.13
	16QAM	25	25	20.50	20.43	20.39	20.20
			0	20.50	20.43	20.45	20.20
			0	20.50	20.43	20.45	20.20

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	43165	43340	43515		
					3557.5MHz	3575MHz	3592.5MHz		
15MHz	QPSK	1	0	23.00	22.62	22.61	22.41		
			38	23.00	22.61	22.63	22.43		
			74	23.00	22.62	22.55	22.54		
		36	0	21.50	21.41	21.38	21.11		
			18	21.50	21.41	21.41	21.15		
			39	21.50	21.42	21.35	21.17		
	16QAM	1	0	21.50	21.47	21.38	21.19		
			0	22.00	21.94	21.55	21.35		
			38	22.00	21.90	21.61	21.38		
		36	74	22.00	21.93	21.49	21.47		
			0	20.50	20.49	20.48	20.10		
			18	21.00	20.48	20.52	20.15		
	16QAM	36	39	20.50	20.49	20.45	20.18		
			0	20.50	20.46	20.40	20.23		
			75	0	20.50	20.46	20.40	20.23	
		Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	43190	43340	43490
							3560MHz	3575MHz	3590MHz
		20MHz	QPSK	1	0	23.00	22.61	22.58	22.42
50	23.00				22.57	22.62	22.31		
99	23.00				22.65	22.48	22.45		
50	0			21.50	21.41	21.44	21.14		
	25			21.50	21.45	21.43	21.13		
	50			21.50	21.44	21.35	21.20		
16QAM	100		0	21.50	21.45	21.44	21.21		
			0	22.00	21.76	21.62	21.43		
			50	22.00	21.71	21.66	21.38		
	1		99	22.00	21.74	21.48	21.47		
			0	20.50	20.47	20.43	20.22		
			25	21.00	20.53	20.45	20.21		
16QAM	50		50	21.00	20.52	20.38	20.24		
			100	0	20.50	20.47	20.45	20.22	

1.1.2 Conducted Power of LTE Band 66

LTE-FDD Band 66					Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	131979	132322	132665
					1710.7MHz	1745.0MHz	1779.3MHz
1.4MHz	QPSK	1	0	23.00	22.69	22.66	22.56
			2	23.00	22.72	22.66	22.50
			5	23.00	22.71	22.64	22.44
		3	0	23.00	22.59	22.48	22.48
			2	23.00	22.57	22.44	22.44
			3	23.00	22.59	22.49	22.44
	16QAM	6	0	22.00	21.71	21.60	21.55
			0	22.00	21.63	21.84	21.83
			2	22.00	21.57	21.74	21.74
		3	5	22.00	21.65	21.78	21.75
			0	22.00	21.84	21.75	21.76
			2	22.00	21.82	21.73	21.79
3MHz	QPSK	1	3	22.00	21.82	21.70	21.75
			0	21.00	20.90	20.75	20.71
		8	0	23.00	22.73	22.68	22.68
			7	23.00	22.66	22.66	22.59
			14	23.00	22.63	22.60	22.61
		15	0	22.00	21.76	21.70	21.68
			4	22.00	21.74	21.67	21.65
			7	22.00	21.72	21.68	21.65
	16QAM	1	0	22.00	21.75	21.68	21.67
			0	22.50	22.17	21.95	21.61
			7	22.50	22.05	21.92	21.49
		8	14	22.50	22.02	21.89	21.50
			0	21.00	20.78	20.72	20.69
			4	21.00	20.76	20.67	20.65
		15	7	21.00	20.75	20.69	20.64
			0	21.00	20.80	20.64	20.75
5MHz	QPSK	1	0	23.00	22.82	22.75	22.67
			13	23.00	22.74	22.73	22.61
			24	23.00	22.69	22.70	22.57
		12	0	22.00	21.80	21.72	21.75
			6	22.00	21.75	21.69	21.70
			13	22.00	21.70	21.68	21.68
		25	0	22.00	21.81	21.75	21.76
			0	22.50	22.29	22.13	22.03
			13	22.50	22.24	22.08	21.99
	16QAM	1	24	22.50	22.18	22.05	21.86
			0	21.00	20.78	20.70	20.79
			6	21.00	20.73	20.68	20.76
		12	13	21.00	20.70	20.68	20.73
			0	21.00	20.72	20.74	20.70
			0	21.00	20.72	20.74	20.70

LTE-FDD Band 66				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		132022 1715.0MHz	132322 1745.0MHz	132622 1775.0MHz
10MHz	QPSK	1	0	23.00	22.84	22.83	22.92
			25	23.00	22.63	22.71	22.72
			49	23.00	22.62	22.68	22.63
		25	0	22.00	21.73	21.73	21.84
			13	22.00	21.67	21.69	21.75
			25	22.00	21.64	21.67	21.72
	16QAM	50	0	22.00	21.72	21.71	21.81
			0	22.50	22.16	21.98	21.84
			25	22.50	22.01	21.89	21.69
		1	49	22.50	22.04	21.86	21.55
			0	21.00	20.74	20.72	20.83
			13	21.00	20.67	20.71	20.76
15MHz	QPSK	25	25	21.00	20.66	20.67	20.70
			13	21.00	20.67	20.71	20.76
			25	21.00	20.66	20.67	20.70
		1	0	23.00	22.82	22.78	22.96
			38	23.00	22.57	22.68	22.91
			74	23.00	22.58	22.62	22.73
	16QAM	36	0	22.00	21.65	21.74	21.87
			18	22.00	21.58	21.65	21.78
			39	22.00	21.57	21.64	21.73
		75	0	22.00	21.62	21.70	21.82
			0	22.50	22.23	22.02	22.05
			38	22.00	21.97	21.92	21.90
20MHz	QPSK	1	74	22.50	22.05	21.88	21.79
			0	21.00	20.73	20.82	20.86
			18	21.00	20.64	20.76	20.79
		36	39	21.00	20.62	20.73	20.71
			0	23.00	22.77	22.79	22.80
			50	23.00	22.62	22.76	22.82
	16 QAM	50	99	23.00	22.62	22.70	22.54
			0	22.00	21.70	21.77	21.86
			25	22.00	21.61	21.70	21.82
		100	50	22.00	21.61	21.66	21.80
			0	22.00	21.66	21.75	21.84
			0	22.50	22.31	22.06	22.21
20MHz	QPSK	1	50	22.50	22.00	21.97	22.17
			99	22.50	22.03	21.95	21.98
			0	21.00	20.78	20.77	20.92
		50	25	21.00	20.68	20.72	20.86
			50	21.00	20.67	20.68	20.84
			50	21.00	20.67	20.68	20.84

1.1.3 Conducted Power of NR n5

NR n5				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		165800 829.0MHz	167300 836.5MHz	168800 844.0MHz
10MHz	DFT_BPSK	1@1	LOW	25.00	24.98	24.85	24.53
	DFT_QPSK	24@0	LOW	24.00	23.75	23.73	23.48
	DFT_QPSK	12@6	LOW	25.00	24.75	24.78	24.46
	DFT_QPSK	1@1	LOW	25.00	24.75	24.83	24.77
	DFT_QPSK	1@22	LOW	25.00	24.76	24.73	24.67
	DFT_QAM16	1@1	LOW	24.00	23.90	23.96	23.80
	DFT_QAM64	1@1	LOW	23.00	22.01	22.68	22.14
	DFT_QAM256	1@1	LOW	21.00	20.18	20.79	20.17
	CP_QPSK	1@1	LOW	24.00	23.12	23.92	23.22
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	166300 831.5MHz	167300 836.5MHz	168300 841.5MHz
15MHz	DFT_BPSK	1@1	LOW	25.50	24.53	24.84	25.09
	DFT_QPSK	36@0	LOW	24.00	23.79	23.79	23.63
	DFT_QPSK	18@9	LOW	25.00	24.76	24.79	24.59
	DFT_QPSK	1@1	LOW	25.50	24.61	24.79	25.10
	DFT_QPSK	1@36	LOW	25.00	24.43	24.61	24.58
	DFT_QAM16	1@1	LOW	24.50	23.39	23.61	24.10
	DFT_QAM64	1@1	LOW	23.00	22.24	22.05	22.65
	DFT_QAM256	1@1	LOW	21.00	20.17	20.15	20.72
	CP_QPSK	1@1	LOW	24.00	23.47	23.73	22.85
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	166800 834.0MHz	167300 836.5MHz	167800 839.0MHz
20MHz	DFT_BPSK	1@1	LOW	25.00	24.58	24.70	24.83
	DFT_QPSK	50@0	LOW	24.00	23.72	23.79	23.76
	DFT_QPSK	25@12	LOW	25.00	24.79	24.76	24.69
	DFT_QPSK	1@1	LOW	25.00	24.87	24.85	24.78
	DFT_QPSK	1@49	LOW	25.00	24.74	24.59	24.42
	DFT_QAM16	1@1	LOW	24.50	23.71	24.29	23.81
	DFT_QAM64	1@1	LOW	22.50	22.41	22.16	22.06
	DFT_QAM256	1@1	LOW	20.50	20.30	20.24	19.98
	CP_QPSK	1@1	LOW	23.50	23.06	23.06	23.08

1.1.4 Conducted Power of NR n7

NR n7				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		501000	507000	513000
					2505.0MHz	2535.0MHz	2565.0MHz
10MHz	DFT_BPSK	1@1	LOW	23.50	22.16	22.59	23.22
	DFT_QPSK	24@0	LOW	22.50	21.36	21.81	22.17
	DFT_QPSK	12@6	LOW	23.50	22.38	22.84	23.24
	DFT_QPSK	1@1	LOW	23.50	22.49	22.98	23.31
	DFT_QPSK	1@22	LOW	23.50	22.62	23.00	23.28
	DFT_QAM16	1@1	LOW	23.00	21.10	21.94	22.60
	DFT_QAM64	1@1	LOW	20.50	19.67	20.30	20.34
	DFT_QAM256	1@1	LOW	19.00	17.82	18.14	18.88
	CP_QPSK	1@1	LOW	22.50	21.23	21.57	22.13
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	501500	507000	512000
					2507.5MHz	2535.0MHz	2562.5MHz
15MHz	DFT_BPSK	1@1	LOW	23.50	22.32	22.75	23.20
	DFT_QPSK	36@0	LOW	22.50	21.46	21.86	22.26
	DFT_QPSK	18@9	LOW	23.50	22.44	22.90	23.45
	DFT_QPSK	1@1	LOW	23.50	22.14	22.68	23.03
	DFT_QPSK	1@36	LOW	23.50	22.42	22.93	23.26
	DFT_QAM16	1@1	LOW	23.00	21.41	21.61	22.51
	DFT_QAM64	1@1	LOW	21.00	19.76	20.46	20.81
	DFT_QAM256	1@1	LOW	19.00	17.60	18.25	18.52
	CP_QPSK	1@1	LOW	22.00	20.44	21.36	21.77
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	502000	507000	512000
					2510.0MHz	2535.0MHz	2560.0MHz
20MHz	DFT_BPSK	1@1	LOW	23.50	22.11	22.62	23.04
	DFT_QPSK	50@0	LOW	22.50	21.40	21.86	22.29
	DFT_QPSK	25@12	LOW	23.50	22.49	22.90	23.46
	DFT_QPSK	1@1	LOW	23.50	22.15	22.71	23.25
	DFT_QPSK	1@49	LOW	23.50	22.49	23.03	23.20
	DFT_QAM16	1@1	LOW	22.50	21.28	21.48	22.03
	DFT_QAM64	1@1	LOW	21.00	19.73	19.90	20.53
	DFT_QAM256	1@1	LOW	19.00	17.75	17.93	18.54
	CP_QPSK	1@1	LOW	21.50	20.67	21.46	21.31

1.1.5 ConductdPower of NR n12

NR n12				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		140800	141500	142200
5MHz	DFT_BPSK	1@1	LOW	23.00	704.0MHz	707.5MHz	711.0MHz
	DFT_QPSK	25@0	LOW	22.00	22.75	22.84	22.66
	DFT_QPSK	12@6	LOW	23.00	21.78	21.83	21.79
	DFT_QPSK	1@1	LOW	23.00	22.82	22.79	22.75
	DFT_QPSK	1@23	LOW	23.00	22.96	22.78	22.76
	DFT_QAM16	1@1	LOW	23.00	22.86	22.75	22.77
	DFT_QAM64	1@1	LOW	22.50	22.16	21.74	21.51
	DFT_QAM256	1@1	LOW	20.50	20.34	20.24	20.08
	CP_QPSK	1@1	LOW	19.00	18.62	18.66	18.06
10MHz	DFT_BPSK	1@1	LOW	22.00	21.73	21.54	21.75
	DFT_QPSK	50@0	LOW	23.50	23.08	22.81	22.97
	DFT_QPSK	25@12	LOW	22.00	21.77	21.72	21.79
	DFT_QPSK	1@1	LOW	23.00	22.79	22.79	22.75
	DFT_QPSK	1@50	LOW	23.00	22.77	22.75	22.78
	DFT_QAM16	1@1	LOW	23.00	22.77	22.75	22.78
	DFT_QAM64	1@1	LOW	23.00	22.80	22.76	22.69
	DFT_QAM256	1@1	LOW	22.50	21.83	21.58	22.22
	CP_QPSK	1@1	LOW	20.50	20.42	20.49	20.11
15MHz	DFT_BPSK	1@1	LOW	19.50	19.04	18.67	18.46
	DFT_QPSK	1@1	LOW	21.00	20.76	20.97	20.87
	DFT_QPSK	75@0	LOW	141300	141500	141700	
	DFT_QPSK	36@18	LOW	706.5MHz	707.5MHz	708.8MHz	
	DFT_QPSK	1@1	LOW	23.00	22.86	22.83	22.73
	DFT_QPSK	1@77	LOW	22.00	21.77	21.77	21.76
	DFT_QAM16	1@1	LOW	23.00	22.76	22.76	22.75
	DFT_QAM64	1@1	LOW	23.00	22.75	22.70	22.48
	DFT_QAM256	1@1	LOW	23.00	22.75	22.72	22.45
	DFT_QAM16	1@1	LOW	22.50	21.93	21.71	22.04
	DFT_QAM64	1@1	LOW	20.50	20.15	20.46	20.28
	DFT_QAM256	1@1	LOW	19.00	18.14	18.49	18.51
	CP_QPSK	1@1	LOW	22.00	20.87	21.18	21.51

1.1.6 Conducted Power of NR n38

NR n38				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		515000	519000	523000
					2575.0MHz	2595.0MHz	2615.0MHz
10MHz	DFT_BPSK	1@1	LOW	23.00	22.90	22.83	22.86
	DFT_QPSK	24@0	LOW	22.00	21.92	21.71	21.81
	DFT_QPSK	12@6	LOW	23.00	22.90	22.81	22.81
	DFT_QPSK	1@1	LOW	23.00	22.82	22.76	22.69
	DFT_QPSK	1@22	LOW	23.00	22.84	22.81	22.80
	DFT_QAM16	1@1	LOW	22.00	21.89	21.85	21.90
	DFT_QAM64	1@1	LOW	21.00	20.63	20.21	20.14
	DFT_QAM256	1@1	LOW	19.00	18.58	18.13	18.27
	CP_QPSK	1@1	LOW	22.50	22.32	21.44	21.42
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	515500	519000	522500
					2577.5MHz	2595.0MHz	2612.5MHz
15MHz	DFT_BPSK	1@1	LOW	23.00	22.92	22.72	22.62
	DFT_QPSK	36@0	LOW	22.00	21.86	21.76	21.84
	DFT_QPSK	18@9	LOW	23.00	22.80	22.71	22.76
	DFT_QPSK	1@1	LOW	23.00	22.84	22.80	22.77
	DFT_QPSK	1@36	LOW	23.00	22.73	22.97	22.81
	DFT_QAM16	1@1	LOW	22.00	21.50	21.61	21.83
	DFT_QAM64	1@1	LOW	20.50	20.02	20.34	20.36
	DFT_QAM256	1@1	LOW	18.50	17.80	18.20	18.27
	CP_QPSK	1@1	LOW	22.00	21.54	21.30	21.78
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	522500	519000	522000
					2580.0MHz	2595.0MHz	2610.0MHz
20MHz	DFT_BPSK	1@1	LOW	23.00	22.82	22.72	22.70
	DFT_QPSK	50@0	LOW	22.00	21.83	21.70	21.81
	DFT_QPSK	25@12	LOW	23.00	22.82	22.71	22.85
	DFT_QPSK	1@1	LOW	23.00	22.75	22.74	22.75
	DFT_QPSK	1@49	LOW	23.00	22.70	22.82	22.77
	DFT_QAM16	1@1	LOW	22.50	22.27	20.69	21.79
	DFT_QAM64	1@1	LOW	20.50	20.10	20.08	20.41
	DFT_QAM256	1@1	LOW	18.50	18.26	18.02	18.21
	CP_QPSK	1@1	LOW	21.50	21.08	20.98	21.27

1.1.7 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	23.00	22.86	22.63	22.56
	DFT QPSK	50@0	LOW	22.00	21.91	21.77	21.63
	DFT QPSK	25@12	LOW	23.00	22.93	22.70	22.54
	DFT QPSK	1@1	LOW	23.00	22.88	22.55	22.49
	DFT QPSK	1@49	LOW	23.00	22.69	22.62	22.58
	DFT QAM16	1@1	LOW	22.00	21.86	21.76	21.38
	DFT QAM64	1@1	LOW	21.00	20.60	20.00	19.82
	DFT QAM256	1@1	LOW	18.50	18.30	18.19	17.89
	CP QPSK	1@1	LOW	21.50	21.20	21.18	21.12
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	504204	518598	532998
					2521.0MHz	2593.0MHz	2665.0MHz
50MHz	DFT BPSK	1@1	LOW	23.00	22.88	22.72	22.69
	DFT QPSK	128@0	LOW	22.00	21.96	21.91	21.79
	DFT QPSK	64@32	LOW	23.00	22.88	22.85	22.81
	DFT QPSK	1@1	LOW	23.00	22.81	22.83	22.64
	DFT QPSK	1@131	LOW	23.00	22.84	22.80	22.59
	DFT QAM16	1@1	LOW	22.00	21.85	21.78	21.98
	DFT QAM64	1@1	LOW	21.00	20.39	20.51	20.12
	DFT QAM256	1@1	LOW	19.00	18.53	18.23	18.03
	CP QPSK	1@1	LOW	21.50	21.16	21.33	21.10
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	23.00	22.96	22.69	22.60
	DFT QPSK	270@0	LOW	22.00	21.89	21.82	21.78
	DFT QPSK	135@67	LOW	23.00	22.87	22.81	22.76
	DFT QPSK	1@1	LOW	23.00	22.88	22.65	22.66
	DFT QPSK	1@271	LOW	23.00	22.72	22.60	22.55
	DFT QAM16	1@1	LOW	22.50	22.05	21.69	21.60
	DFT QAM64	1@1	LOW	20.50	20.28	20.20	20.14
	DFT QAM256	1@1	LOW	18.50	18.11	18.15	17.97
	CP QPSK	1@1	LOW	21.50	21.20	21.32	21.30

1.1.8 Conducted Power of NR n66

NR n66				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		343000 1715.0MHz	349000 1745.0MHz	355000 1775.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.00	23.29	23.53	23.37
	DFT_QPSK	24@0	LOW	22.50	22.30	22.50	22.34
	DFT_QPSK	12@6	LOW	23.50	23.25	23.50	23.35
	DFT_QPSK	1@1	LOW	23.50	23.33	23.49	23.28
	DFT_QPSK	1@22	LOW	23.50	23.27	23.39	23.11
	DFT_QAM16	1@1	LOW	23.00	22.75	22.70	22.31
	DFT_QAM64	1@1	LOW	21.50	20.46	20.96	21.04
	DFT_QAM256	1@1	LOW	19.50	19.11	18.93	19.10
	CP_QPSK	1@1	LOW	22.50	21.91	22.08	21.90
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	344000 1720.0MHz	349000 1745.0MHz	354000 1770.0MHz
20MHz	DFT_BPSK	1@1	LOW	23.50	23.16	23.37	23.46
	DFT_QPSK	50@0	LOW	23.00	22.33	22.53	22.38
	DFT_QPSK	25@12	LOW	23.50	23.27	23.44	23.46
	DFT_QPSK	1@1	LOW	23.50	23.30	23.36	23.48
	DFT_QPSK	1@49	LOW	24.00	23.36	23.52	23.25
	DFT_QAM16	1@1	LOW	22.50	22.20	22.46	22.19
	DFT_QAM64	1@1	LOW	21.00	20.85	20.89	20.80
	DFT_QAM256	1@1	LOW	19.00	18.63	18.96	18.80
	CP_QPSK	1@1	LOW	22.00	21.74	21.84	21.62
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	346000 1730.0MHz	349000 1745.0MHz	352000 1760.0MHz
40MHz	DFT_BPSK	1@1	LOW	23.50	23.24	23.39	23.45
	DFT_QPSK	100@0	LOW	22.50	22.48	22.49	22.48
	DFT_QPSK	50@25	LOW	24.00	23.37	23.55	23.50
	DFT_QPSK	1@1	LOW	24.00	23.22	23.16	23.51
	DFT_QPSK	1@104	LOW	24.00	23.67	23.29	23.20
	DFT_QAM16	1@1	LOW	23.00	22.30	22.16	22.66
	DFT_QAM64	1@1	LOW	21.00	20.75	20.96	20.74
	DFT_QAM256	1@1	LOW	19.50	19.01	19.15	19.15
	CP_QPSK	1@1	LOW	22.00	21.61	21.76	21.95

1.1.9 Conducted Power of NR n77(3450-3550)

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	24.00	23.18	23.54	23.53
	DFT_QPSK	24@0	LOW	23.00	22.25	22.61	22.42
	DFT_QPSK	12@6	LOW	24.00	23.22	23.58	23.47
	DFT_QPSK	1@1	LOW	24.00	22.96	23.65	23.55
	DFT_QPSK	1@22	LOW	24.00	23.12	23.70	23.33
	DFT_QAM16	1@1	LOW	23.00	22.33	22.41	22.66
	DFT_QAM64	1@1	LOW	21.00	20.51	20.79	20.72
	DFT_QAM256	1@1	LOW	19.50	18.72	18.78	19.28
	CP_QPSK	1@1	LOW	22.50	22.08	22.10	21.78
50MHz	DFT_BPSK	1@1	LOW	24.00	23.07	23.67	23.69
	DFT_QPSK	128@0	LOW	23.00	22.55	22.64	22.62
	DFT_QPSK	64@32	LOW	24.00	23.68	23.69	23.62
	DFT_QPSK	1@1	LOW	24.00	23.14	23.55	23.75
	DFT_QPSK	1@131	LOW	24.00	23.60	23.38	23.39
	DFT_QAM16	1@1	LOW	23.00	22.11	22.82	22.59
	DFT_QAM64	1@1	LOW	21.50	20.74	21.02	21.13
	DFT_QAM256	1@1	LOW	19.50	18.74	19.31	19.11
	CP_QPSK	1@1	LOW	22.50	21.71	22.06	22.01
100MHz	DFT_BPSK	1@1	LOW	23.50	633334		
	DFT_QPSK	270@0	LOW	23.00	3500.0MHz		
	DFT_QPSK	135@67	LOW	24.00			
	DFT_QPSK	1@1	LOW	23.50		23.15	
	DFT_QPSK	1@271	LOW	23.50		22.57	
	DFT_QAM16	1@1	LOW	22.50		23.64	
	DFT_QAM64	1@1	LOW	21.00		23.14	
	DFT_QAM256	1@1	LOW	19.00		23.28	
	CP_QPSK	1@1	LOW	22.00		22.13	
						20.61	
						18.80	
						21.64	

1.1.10 Conducted Power of NR n77(3550-3700)

NR n77				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		637000	641666	646332
					3560.0MHz	3625.0MHz	3695.0MHz
10MHz	DFT BPSK	1@1	LOW	24.00	23.56	23.54	23.07
	DFT QPSK	24@0	LOW	23.00	22.37	22.51	22.10
	DFT QPSK	12@6	LOW	24.00	23.39	23.64	23.02
	DFT QPSK	1@1	LOW	24.00	23.62	23.63	23.01
	DFT QPSK	1@22	LOW	24.00	23.50	23.58	23.10
	DFT QAM16	1@1	LOW	23.00	22.30	22.74	22.32
	DFT QAM64	1@1	LOW	21.50	20.79	21.41	20.25
	DFT QAM256	1@1	LOW	19.50	19.33	19.24	19.08
	CP QPSK	1@1	LOW	22.50	22.18	22.26	21.79
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	638334	641666	645000
					3575.0MHz	3625.0MHz	3675.0MHz
50MHz	DFT BPSK	1@1	LOW	23.50	23.42	23.41	23.28
	DFT QPSK	128@0	LOW	23.00	22.48	22.57	22.15
	DFT QPSK	64@32	LOW	24.00	23.44	23.61	23.13
	DFT QPSK	1@1	LOW	23.50	23.48	23.43	23.24
	DFT QPSK	1@131	LOW	24.00	23.55	23.37	23.06
	DFT QAM16	1@1	LOW	22.50	22.40	22.41	22.11
	DFT QAM64	1@1	LOW	21.00	20.93	20.95	20.69
	DFT QAM256	1@1	LOW	19.50	18.89	19.16	18.84
	CP QPSK	1@1	LOW	22.50	21.85	22.01	21.85
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	640000	641666	643332
					3600.0MHz	3625.0MHz	3650.0MHz
100MHz	DFT BPSK	1@1	LOW	23.50	23.36	23.30	23.44
	DFT QPSK	270@0	LOW	22.50	22.49	22.49	22.36
	DFT QPSK	135@67	LOW	24.00	23.50	23.54	23.36
	DFT QPSK	1@1	LOW	23.50	23.25	23.28	23.37
	DFT QPSK	1@271	LOW	23.50	23.15	22.94	23.06
	DFT QAM16	1@1	LOW	23.00	22.52	22.09	22.23
	DFT QAM64	1@1	LOW	21.00	20.74	20.60	20.86
	DFT QAM256	1@1	LOW	19.50	18.96	18.78	19.25
	CP QPSK	1@1	LOW	22.50	22.07	22.03	21.75

1.1.11 Conducted Power of NR n77(3700-3980)

NR n77				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		647000 3705.0MHz	656000 3890.0MHz	665000 3975.0MHz
10MHz	DFT_BPSK	1@1	LOW	23.50	23.02	23.25	23.49
	DFT_QPSK	24@0	LOW	23.00	22.22	22.24	22.52
	DFT_QPSK	12@6	LOW	23.50	23.14	23.21	23.49
	DFT_QPSK	1@1	LOW	23.50	23.31	23.21	23.35
	DFT_QPSK	1@22	LOW	24.00	23.27	23.53	23.48
	DFT_QAM16	1@1	LOW	23.00	22.40	22.60	22.32
	DFT_QAM64	1@1	LOW	21.50	20.97	20.35	21.03
	DFT_QAM256	1@1	LOW	19.50	18.86	19.18	18.93
	CP_QPSK	1@1	LOW	22.00	21.76	21.98	21.71
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	648334 3725.0MHz	656000 3890.0MHz	663666 3955.0MHz
50MHz	DFT_BPSK	1@1	LOW	23.50	23.11	23.01	23.22
	DFT_QPSK	128@0	LOW	22.50	22.28	22.22	22.49
	DFT_QPSK	64@32	LOW	24.00	23.34	23.35	23.52
	DFT_QPSK	1@1	LOW	23.50	23.08	22.97	23.13
	DFT_QPSK	1@131	LOW	23.50	23.23	23.28	23.44
	DFT_QAM16	1@1	LOW	22.50	22.11	21.90	22.39
	DFT_QAM64	1@1	LOW	21.00	20.63	20.46	20.58
	DFT_QAM256	1@1	LOW	19.00	18.89	18.58	18.72
	CP_QPSK	1@1	LOW	22.00	21.70	21.46	21.80
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	650000 3750.0MHz	656000 3890.0MHz	662000 3930.0MHz
100MHz	DFT_BPSK	1@1	LOW	23.50	23.01	23.08	23.43
	DFT_QPSK	270@0	LOW	23.00	22.19	22.34	22.56
	DFT_QPSK	135@67	LOW	24.00	23.20	23.33	23.52
	DFT_QPSK	1@1	LOW	23.50	22.98	23.01	23.48
	DFT_QPSK	1@271	LOW	24.00	22.93	23.35	23.61
	DFT_QAM16	1@1	LOW	22.50	21.74	21.88	22.48
	DFT_QAM64	1@1	LOW	21.50	20.30	20.47	21.18
	DFT_QAM256	1@1	LOW	19.50	18.47	18.80	19.09
	CP_QPSK	1@1	LOW	22.50	21.58	21.45	22.08

1.1.12 Conducted Power of NR n78(3450-3550)

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	24.00	23.23	23.62	23.35
	DFT_QPSK	24@0	LOW	23.00	22.18	22.56	22.34
	DFT_QPSK	12@6	LOW	24.00	23.10	23.52	23.43
	DFT_QPSK	1@1	LOW	23.50	23.06	23.48	23.34
	DFT_QPSK	1@22	LOW	24.00	23.35	23.52	23.37
	DFT_QAM16	1@1	LOW	22.50	22.37	22.46	22.43
	DFT_QAM64	1@1	LOW	21.50	20.20	21.25	21.08
	DFT_QAM256	1@1	LOW	19.50	19.08	19.24	19.15
	CP_QPSK	1@1	LOW	22.50	21.81	21.98	22.02
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	24.00	23.11	23.56	23.49
	DFT_QPSK	128@0	LOW	23.00	22.56	22.57	22.44
	DFT_QPSK	64@32	LOW	24.00	23.63	23.59	23.39
	DFT_QPSK	1@1	LOW	23.50	23.07	23.46	23.47
	DFT_QPSK	1@131	LOW	23.50	23.43	23.19	23.34
	DFT_QAM16	1@1	LOW	23.00	21.93	22.77	22.28
	DFT_QAM64	1@1	LOW	21.00	20.52	20.91	20.77
	DFT_QAM256	1@1	LOW	19.50	18.71	19.26	19.05
	CP_QPSK	1@1	LOW	22.50	21.82	22.26	22.34
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	633334 3500.0MHz		
100MHz	DFT_BPSK	1@1	LOW	23.50		23.16	
	DFT_QPSK	270@0	LOW	23.00		22.51	
	DFT_QPSK	135@67	LOW	24.00		23.61	
	DFT_QPSK	1@1	LOW	23.50		23.15	
	DFT_QPSK	1@271	LOW	23.50		23.30	
	DFT_QAM16	1@1	LOW	22.00		21.93	
	DFT_QAM64	1@1	LOW	21.00		20.55	
	DFT_QAM256	1@1	LOW	19.50		19.04	
	CP_QPSK	1@1	LOW	22.00		21.77	

1.1.13 Conducted Power of NR n78(3550-3700)

NR n78				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		637000	641666	646332
					3560.0MHz	3625.0MHz	3695.0MHz
10MHz	DFT_BPSK	1@1	LOW	23.50	23.47	23.50	23.04
	DFT_QPSK	24@0	LOW	22.50	22.31	22.40	22.04
	DFT_QPSK	12@6	LOW	23.50	23.35	23.42	23.11
	DFT_QPSK	1@1	LOW	23.50	23.34	23.37	23.01
	DFT_QPSK	1@22	LOW	23.50	23.26	23.35	23.04
	DFT_QAM16	1@1	LOW	22.50	22.36	22.44	22.07
	DFT_QAM64	1@1	LOW	21.50	21.08	21.17	20.38
	DFT_QAM256	1@1	LOW	19.50	18.95	19.41	18.73
	CP_QPSK	1@1	LOW	23.00	22.09	22.73	21.64
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	638334	641666	645000
					3575.0MHz	3625.0MHz	3675.0MHz
50MHz	DFT_BPSK	1@1	LOW	23.50	23.31	23.21	23.27
	DFT_QPSK	128@0	LOW	22.50	22.39	22.42	22.16
	DFT_QPSK	64@32	LOW	24.00	23.38	23.52	23.12
	DFT_QPSK	1@1	LOW	23.50	23.28	23.25	23.20
	DFT_QPSK	1@131	LOW	23.50	23.25	23.24	23.24
	DFT_QAM16	1@1	LOW	23.00	22.58	21.96	22.10
	DFT_QAM64	1@1	LOW	21.00	20.71	20.54	20.69
	DFT_QAM256	1@1	LOW	19.50	18.85	18.82	19.17
	CP_QPSK	1@1	LOW	22.50	22.01	21.89	21.59
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	640000	641666	641332
					3600.0MHz	3625.0MHz	3650.0MHz
100MHz	DFT_BPSK	1@1	LOW	23.50	23.25	23.18	23.27
	DFT_QPSK	128@0	LOW	22.50	22.37	22.33	22.31
	DFT_QPSK	64@32	LOW	23.50	23.43	23.38	23.31
	DFT_QPSK	1@1	LOW	23.50	23.37	23.19	23.21
	DFT_QPSK	1@131	LOW	23.50	23.18	22.94	23.11
	DFT_QAM16	1@1	LOW	22.50	22.32	22.47	22.23
	DFT_QAM64	1@1	LOW	21.50	21.01	20.55	20.64
	DFT_QAM256	1@1	LOW	19.00	18.97	18.92	18.81
	CP_QPSK	1@1	LOW	22.00	21.95	21.63	21.65

1.1.14 Conducted Power of NR n78(3700-3800)

NR n78				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		647000	650000	653000
					3705.0MHz	3750.0MHz	3795.0MHz
10MHz	DFT_BPSK	1@1	LOW	23.50	23.10	23.19	22.86
	DFT_QPSK	24@0	LOW	22.50	22.04	22.03	22.00
	DFT_QPSK	12@6	LOW	23.50	23.06	23.12	23.10
	DFT_QPSK	1@1	LOW	23.50	23.13	23.25	23.14
	DFT_QPSK	1@22	LOW	23.50	23.15	23.30	23.20
	DFT_QAM16	1@1	LOW	22.50	21.74	21.91	22.17
	DFT_QAM64	1@1	LOW	21.00	20.33	20.34	20.81
	DFT_QAM256	1@1	LOW	19.50	18.39	19.04	18.69
	CP_QPSK	1@1	LOW	22.00	21.63	21.65	21.60
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	648334	650000	651666
					3725.0MHz	3750.0MHz	3775.0MHz
50MHz	DFT_BPSK	1@1	LOW	23.50	23.03	23.15	23.02
	DFT_QPSK	128@0	LOW	22.50	22.18	22.22	22.15
	DFT_QPSK	64@32	LOW	23.50	23.19	23.18	23.12
	DFT_QPSK	1@1	LOW	23.50	22.97	23.15	22.97
	DFT_QPSK	1@131	LOW	23.50	23.05	23.20	23.08
	DFT_QAM16	1@1	LOW	22.50	22.14	22.08	22.01
	DFT_QAM64	1@1	LOW	21.00	20.32	20.57	20.50
	DFT_QAM256	1@1	LOW	19.00	18.85	18.71	18.94
	CP_QPSK	1@1	LOW	22.00	21.50	21.46	21.54
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	650000		
					3750.0MHz		
100MHz	DFT_BPSK	1@1	LOW	23.00		22.91	
	DFT_QPSK	270@0	LOW	22.50		22.19	
	DFT_QPSK	135@67	LOW	23.50		23.18	
	DFT_QPSK	1@1	LOW	23.00		22.84	
	DFT_QPSK	1@271	LOW	23.00		22.97	
	DFT_QAM16	1@1	LOW	22.00		21.77	
	DFT_QAM64	1@1	LOW	20.50		20.35	
	DFT_QAM256	1@1	LOW	19.00		18.53	
	CP_QPSK	1@1	LOW	21.50		21.43	

1.1.15 Conducted Power of Wi-Fi 2.4G

ANT1

Mode	802.11b		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	22.21	22.20	22.14
Mode	802.11g		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	23.85	23.98	24.07
Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	24.64	24.77	24.72
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	3(2422)	6(2437)	9(2452)
Average Power(dBm)	24.04	23.78	23.66
Mode	802.11ax(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	20.57	20.64	20.50
Mode	802.11ax(HT40)		
Channel/Frequency(MHz)	3(2422)	6(2437)	9(2452)
Average Power(dBm)	20.68	20.79	20.64

ANT2

Mode	802.11b		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	21.90	22.09	21.89
Mode	802.11g		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	23.66	23.78	24.02
Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	24.50	24.86	24.59
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	3(2422)	6(2437)	9(2452)
Average Power(dBm)	23.73	23.73	23.82
Mode	802.11ax(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	20.53	20.83	20.54
Mode	802.11ax(HT40)		
Channel/Frequency(MHz)	3(2422)	6(2437)	9(2452)
Average Power(dBm)	20.67	20.75	20.58

MIMO Mode

Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	27.58	27.83	27.67
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	3(2452)	6(2437)	9(2452)
Average Power(dBm)	26.90	26.77	26.75
Mode	802.11ax(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	23.56	23.75	23.53
Mode	802.11ax(HT40)		
Channel/Frequency(MHz)	3(2422)	6(2437)	9(2452)
Average Power(dBm)	23.69	23.78	23.62

1.1.16 Conducted Power of Wi-Fi 5G

ANT1

Band	Mode	Channel	Frequency(MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-1 (5150-5250)	802.11a	36	5180	5.50	5.15	No
		48	5240	4.00	3.61	No
	802.11n-HT20	36	5180	6.00	5.92	Yes
		48	5240	5.50	5.02	No
	802.11n-HT40	38	5190	2.50	2.29	No
		46	5230	1.00	0.56	No
	802.11ac-VHT20	36	5180	5.50	5.05	No
		48	5240	5.00	4.81	No
	802.11ac-VHT40	38	5190	1.50	1.32	No
		46	5230	0.00	-0.22	No
U-NII-2a (5250-5350)	802.11a	42	5210	-4.00	-4.49	No
	802.11n-HT20	52	5260	4.50	4.29	No
		64	5320	3.50	3.49	No
	802.11n-HT40	52	5260	6.00	5.55	Yes
		64	5320	5.50	5.09	No
	802.11ac-VHT20	54	5270	2.00	1.95	No
		62	5310	1.00	0.99	No
	802.11ac-VHT40	52	5260	5.00	4.73	No
		64	5320	4.50	4.23	No
U-NII-2a (5250-5350)	802.11ac-VHT40	54	5270	0.50	0.47	No
		62	5310	0.50	0.49	No
	802.11ac-VHT80	58	5290	-4.50	-4.85	No
	802.11a	52	5260	4.50	4.29	No
		64	5320	3.50	3.49	No
	802.11n-HT20	52	5260	6.00	5.55	Yes
		64	5320	5.50	5.09	No
	802.11n-HT40	54	5270	2.00	1.95	No
		62	5310	1.00	0.99	No
	802.11ac-VHT20	52	5260	5.00	4.73	No
		64	5320	4.50	4.23	No
	802.11ac-VHT40	54	5270	0.50	0.47	No
		62	5310	0.50	0.49	No
	802.11ac-VHT80	58	5290	-4.50	-4.85	No

Band	Mode	Channel	Frequency(MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-2c (5470-5725)	802.11a	100	5500	4.00	3.55	No
		140	5700	3.00	2.75	No
	802.11n-HT20	100	5500	6.00	5.70	Yes
		140	5700	5.00	4.74	No
	802.11n-HT40	102	5510	1.50	1.29	No
		134	5670	1.00	1.00	No
	802.11ac-VHT20	100	5500	5.00	4.74	No
		140	5700	4.00	3.79	No
	802.11ac-VHT40	102	5510	0.50	0.26	No
		134	5670	0.50	0.31	No
	802.11ac-VHT80	106	5530	-3.50	-3.56	No
		122	5610	-3.00	-3.11	No
Band	Mode	Channel	Frequency(MHz)	Tune-up	Average Powe(dBm)	SAR Test(Yes/No)
U-NII-3 (5725-5825)	802.11a	149	5745	0.50	0.21	No
		165	5825	1.50	1.21	No
	802.11n-HT20	149	5745	2.50	2.01	No
		165	5825	3.50	3.06	Yes
	802.11n-HT40	151	5755	-2.00	-2.11	No
		159	5795	0.50	0.21	No
	802.11ac-VHT20	149	5745	2.00	1.84	No
		165	5825	2.50	2.49	No
	802.11ac-VHT40	151	5755	-2.00	-2.00	No
		159	5795	-1.00	-1.28	No
	802.11ac-VHT80	155	5775	-7.00	-7.31	No

1.1.17 Conducted Power of BT

EDR	Mode	Maximum Tune-up(dBm)	Average Conducted Output Power (dBm)		
			0	39	78
			2402MHz	2441MHz	2480MHz
	GFSK	11.50	9.95	11.05	10.61
	π/4QPSK	11.00	10.04	10.57	9.89
	8DPSK	11.00	10.02	10.56	9.81
BLE	Mode	Maximum Tune-up(dBm)	Average Conducted Output Power (dBm)		
			0	19	39
			2402MHz	2440MHz	2480MHz
	1Mbps	6.00	4.28	5.45	5.65
	2Mbps	6.00	4.26	5.45	5.93

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

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

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.

11.2 Tune-up power tolerance

Band	Tune-up power tolerance(dBm)	
GSM850	GSM/GPRS (GMSK)	GSM Max output power =35.50 ±1.0dBm
		1TXslots Max output power =35.50 ±1.0dBm
		2TXslots Max output power =35.00 ±1.0dBm
		3TXslots Max output power =32.50 ±1.0dBm
	EGPRS (8-PSK)	4TXslots Max output power =31.00 ±1.0dBm
		1TXslots Max output power =34.50 ±1.0dBm
		2TXslots Max output power =34.50 ±1.0dBm
		3TXslots Max output power =34.00 ±1.0dBm
GSM1900	GSM/GPRS (GMSK)	4TXslots Max output power =34.00 ±1.0dBm
		GSM Max output power =29.50±1.0dBm
		1TXslots Max output power =29.50 ±1.0dBm
		2TXslots Max output power =28.50 ±1.0dBm
	EGPRS (8-PSK)	3TXslots Max output power =26.50 ±1.0dBm
		4TXslots Max output power =25.00 ±1.0dBm
		1TXslots Max output power =28.50 ±1.0dBm
		2TXslots Max output power =28.00 ±1.0dBm
WCDMA 2		3TXslots Max output power =27.50 ±1.0dBm
WCDMA 4		4TXslots Max output power =27.00 ±1.0dBm
WCDMA 5		Max output power =25.00±1.0dBm
LTE B2		Max output power =25.50±1.0dBm
LTE B4		Max output power =25.50±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 =25.50±1.0dBm
LTE B13		Max output power =23.00±1.0dBm
LTE B17		Max output power =24.00±1.0dBm
LTE B38		Max output power =24.50±1.0dBm
LTE B41		Max output power =24.00±1.0dBm
LTE B42(3450-3550)		Max output power =22.50±1.0dBm
LTE B42(3550-3600)		Max output power =23.00±1.0dBm
LTE B66		Max output power =23.00±1.0dBm
NR n5		Max output power =23.00±1.0dBm
NR n7		Max output power =25.50±1.0dBm
NR n12		Max output power =23.50±1.0dBm
NR n38		Max output power =23.50±1.0dBm
NR n41		Max output power =23.00±1.0dBm
NR n66		Max output power =23.00±1.0dBm
NR n77(3450-3550)		Max output power =24.00±1.0dBm
NR n77(3550-3700)		Max output power =24.00±1.0dBm
NR n77(3700-3980)		Max output power =24.00±1.0dBm
NR n78(3450-3550)		Max output power =24.00±1.0dBm
NR n78(3550-3700)		Max output power =24.00±1.0dBm
NR n78(3700-3800)		Max output power =23.50±1.0dBm

Band	Tune-up power tolerance(dBm)			
WIFI	2.4G	ANT1	802.11b	Max output power =22.50±1.0dBm
			802.11g	Max output power =24.50±1.0dBm
			802.11n (HT20)	Max output power =25.00±1.0dBm
			802.11n (HT40)	Max output power =24.50±1.0dBm
		802.11ax (HT20)	Max output power =21.00±1.0dBm	
		802.11ax (HT40)	Max output power =21.00±1.0dBm	
		ANT2	802.11b	Max output power =22.50±1.0dBm
			802.11g	Max output power =24.50±1.0dBm
	802.11n (HT20)		Max output power =25.00±1.0dBm	
	802.11n (HT40)		Max output power =24.00±1.0dBm	
	MIMO Mode	802.11ax (HT20)	Max output power =21.00±1.0dBm	
		802.11ax (HT40)	Max output power =21.00±1.0dBm	
		802.11n (HT20)	Max output power =28.00±1.0dBm	
		802.11n (HT40)	Max output power =27.00±1.0dBm	
		802.11ax (HT20)	Max output power =24.00±1.0dBm	
		802.11ax (HT40)	Max output power =24.00±1.0dBm	
U-NII-1(5150-5250)		802.11ac-VHT40	Max output power =6.00±1.0dBm	
U-NII-2a(5250-5350)		802.11ac-VHT20	Max output power =6.00±1.0dBm	
U-NII-2c(5470-5725)		802.11ac-VHT20	Max output power =6.00±1.0dBm	
U-NII-3(5725-5825)		802.11ac-VHT20	Max output power =3.50±1.0dBm	
BT	GFSK mode		Max output power =11.50±1.0dBm	
	Pi/4DQPSK mode		Max output power =11.00±1.0dBm	
	8DPSK mode		Max output power =11.00±1.0dBm	
BLE	1Mbps Power		Max output power =6.00±1.0dBm	
	2Mbps Power		Max output power =6.00±1.0dBm	

11.3 SAR test results

Notes:

- 1) Per KDB447498 ,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 , 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 , 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 $\leq 1.2 \text{ W/kg}$.

(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.

11.4 Test Result

11.4.1 Results overview of GSM

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	190	836.6	0.170	0.216	100	1.00	35.44	35.50	1.014	0.219
	Left Tilt	190	836.6	0.090	0.102	100	1.00	35.44	35.50	1.014	0.103
	Right Cheek	190	836.6	0.140	0.188	100	1.00	35.44	35.50	1.014	0.191
	Right Tilt	190	836.6	0.040	0.098	100	1.00	35.44	35.50	1.014	0.099
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	190	836.6	0.010	0.473	100	1.00	35.44	35.50	1.014	0.480
	Back	190	836.6	0.110	0.595	100	1.00	35.44	35.50	1.014	0.603
	Left	190	836.6	-0.160	0.710	100	1.00	35.44	35.50	1.014	0.720
	Right	190	836.6	-0.090	0.092	100	1.00	35.44	35.50	1.014	0.093
	Top	190	836.6	0.000	0.051	100	1.00	35.44	35.50	1.014	0.052
	Bottom	190	836.6	0.030	0.014	100	1.00	35.44	35.50	1.014	0.014

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	661	1880	0.030	0.092	100	1.00	29.02	29.50	1.117	0.103
	Left Tilt	661	1880	0.100	0.134	100	1.00	29.02	29.50	1.117	0.150
	Right Cheek	661	1880	-0.030	0.118	100	1.00	29.02	29.50	1.117	0.132
	Right Tilt	661	1880	0.190	0.236	100	1.00	29.02	29.50	1.117	0.264
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	661	1880	0.070	0.307	100	1.00	29.02	29.50	1.117	0.343
	Back	661	1880	0.140	0.421	100	1.00	29.02	29.50	1.117	0.470
	Left	661	1880	-0.010	0.103	100	1.00	29.02	29.50	1.117	0.115
	Right	661	1880	0.050	0.005	100	1.00	29.02	29.50	1.117	0.006
	Top	661	1880	-0.110	0.494	100	1.00	29.02	29.50	1.117	0.552
	Bottom	661	1880	0.060	0.009	100	1.00	29.02	29.50	1.117	0.010

11.4.2 Results overview of WCDMA

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	9400	1880	-0.010	0.147	100	1.00	24.93	25.00	1.016	0.149
	Left Tilt	9400	1880	0.110	0.247	100	1.00	24.93	25.00	1.016	0.251
	Right Cheek	9400	1880	0.180	0.245	100	1.00	24.93	25.00	1.016	0.249
	Right Tilt	9400	1880	-0.060	0.418	100	1.00	24.93	25.00	1.016	0.425
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	9400	1880	0.090	0.068	100	1.00	24.93	25.00	1.016	0.069
	Back	9400	1880	-0.180	0.095	100	1.00	24.93	25.00	1.016	0.097
	Left	9400	1880	-0.120	0.021	100	1.00	24.93	25.00	1.016	0.021
	Right	9400	1880	-0.060	0.003	100	1.00	24.93	25.00	1.016	0.003
	Top	9400	1880	0.080	0.115	100	1.00	24.93	25.00	1.016	0.117
	Bottom	9400	1880	0.150	0.004	100	1.00	24.93	25.00	1.016	0.004

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	0.020	0.175	100	1.00	25.13	25.50	1.089	0.191
	Left Tilt	1413	1732.6	-0.110	0.307	100	1.00	25.13	25.50	1.089	0.334
	Right Cheek	1413	1732.6	0.070	0.300	100	1.00	25.13	25.50	1.089	0.327
	Right Tilt	1413	1732.6	-0.130	0.578	100	1.00	25.13	25.50	1.089	0.629
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	0.020	0.079	100	1.00	25.13	25.50	1.089	0.086
	Back	1413	1732.6	0.110	0.111	100	1.00	25.13	25.50	1.089	0.121
	Left	1413	1732.6	-0.180	0.024	100	1.00	25.13	25.50	1.089	0.026
	Right	1413	1732.6	0.070	0.002	100	1.00	25.13	25.50	1.089	0.002
	Top	1413	1732.6	-0.100	0.128	100	1.00	25.13	25.50	1.089	0.139
	Bottom	1413	1732.6	0.050	0.004	100	1.00	25.13	25.50	1.089	0.004

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	4132	826.4	0.050	0.274	100	1.00	25.33	25.50	1.040	0.285
	Left Tilt	4132	826.4	0.150	0.106	100	1.00	25.33	25.50	1.040	0.110
	Right Cheek	4132	826.4	-0.060	0.267	100	1.00	25.33	25.50	1.040	0.278
	Right Tilt	4132	826.4	-0.110	0.099	100	1.00	25.33	25.50	1.040	0.103
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	4132	826.4	0.120	0.365	100	1.00	25.33	25.50	1.040	0.380
	Back	4132	826.4	-0.070	0.497	100	1.00	25.33	25.50	1.040	0.517
	Left	4132	826.4	-0.170	0.605	100	1.00	25.33	25.50	1.040	0.629
	Right	4132	826.4	0.020	0.072	100	1.00	25.33	25.50	1.040	0.075
	Top	4132	826.4	0.160	0.041	100	1.00	25.33	25.50	1.040	0.043
	Bottom	4132	826.4	-0.180	0.014	100	1.00	25.33	25.50	1.040	0.015

11.4.3 Results overview of LTE

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	19125	1902.5	-0.120	0.193	100	1.00	23.10	23.50	1.096	0.212
		Left Tilt	19125	1902.5	0.010	0.294	100	1.00	23.10	23.50	1.096	0.322
		Right Cheek	19125	1902.5	-0.090	0.315	100	1.00	23.10	23.50	1.096	0.345
		Right Tilt	19125	1902.5	0.130	0.480	100	1.00	23.10	23.50	1.096	0.526
	50%RB	Left Cheek	19125	1902.5	0.030	0.190	100	1.00	23.10	23.50	1.096	0.208
		Left Tilt	19125	1902.5	0.110	0.292	100	1.00	23.10	23.50	1.096	0.320
		Right Cheek	19125	1902.5	0.010	0.311	100	1.00	23.10	23.50	1.096	0.341
		Right Tilt	19125	1902.5	-0.060	0.472	100	1.00	23.10	23.50	1.096	0.518
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	19125	1902.5	0.180	0.070	100	1.00	23.10	23.50	1.096	0.077
		Back	19125	1902.5	0.130	0.099	100	1.00	23.10	23.50	1.096	0.109
		Left	19125	1902.5	-0.020	0.021	100	1.00	23.10	23.50	1.096	0.023
		Right	19125	1902.5	0.120	0.003	100	1.00	23.10	23.50	1.096	0.003
		Top	19125	1902.5	0.160	0.116	100	1.00	23.10	23.50	1.096	0.127
		Bottom	19125	1902.5	-0.030	0.005	100	1.00	23.10	23.50	1.096	0.005
	50%RB	Front	19125	1902.5	0.010	0.066	100	1.00	23.10	23.50	1.096	0.072
		Back	19125	1902.5	-0.030	0.096	100	1.00	23.10	23.50	1.096	0.105
		Left	19125	1902.5	0.160	0.020	100	1.00	23.10	23.50	1.096	0.022
		Right	19125	1902.5	0.070	0.003	100	1.00	23.10	23.50	1.096	0.003
		Top	19125	1902.5	-0.090	0.114	100	1.00	23.10	23.50	1.096	0.125
		Bottom	19125	1902.5	0.120	0.006	100	1.00	23.10	23.50	1.096	0.007

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20325	1747.5	-0.180	0.188	100	1.00	23.23	23.50	1.064	0.200
		Left Tilt	20325	1747.5	-0.010	0.490	100	1.00	23.23	23.50	1.064	0.521
		Right Cheek	20325	1747.5	0.170	0.329	100	1.00	23.23	23.50	1.064	0.350
		Right Tilt	20325	1747.5	0.170	0.855	100	1.00	23.23	23.50	1.064	0.910
		Right Tilt	20325	1747.5	-0.130	0.803	100	1.00	23.23	23.50	1.064	0.855
	50%RB	Left Cheek	20325	1747.5	0.070	0.184	100	1.00	23.23	23.50	1.064	0.196
		Left Tilt	20325	1747.5	0.190	0.482	100	1.00	23.23	23.50	1.064	0.513
		Right Cheek	20325	1747.5	-0.030	0.322	100	1.00	23.23	23.50	1.064	0.343
		Right Tilt	20325	1747.5	0.040	0.849	100	1.00	23.23	23.50	1.064	0.903
		Right Tilt	20325	1747.5	0.150	0.810	100	1.00	23.23	23.50	1.064	0.862
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20325	1747.5	0.120	0.137	100	1.00	23.23	23.50	1.064	0.146
		Back	20325	1747.5	-0.030	0.207	100	1.00	23.23	23.50	1.064	0.220
		Left	20325	1747.5	0.150	0.043	100	1.00	23.23	23.50	1.064	0.046
		Right	20325	1747.5	0.180	0.004	100	1.00	23.23	23.50	1.064	0.004
		Top	20325	1747.5	-0.080	0.226	100	1.00	23.23	23.50	1.064	0.240
	50%RB	Bottom	20325	1747.5	-0.070	0.005	100	1.00	23.23	23.50	1.064	0.005
		Front	20325	1747.5	0.080	0.136	100	1.00	23.23	23.50	1.064	0.145
		Back	20325	1747.5	0.110	0.209	100	1.00	23.23	23.50	1.064	0.222
		Left	20325	1747.5	-0.090	0.041	100	1.00	23.23	23.50	1.064	0.044
		Right	20325	1747.5	0.050	0.004	100	1.00	23.23	23.50	1.064	0.004
		Top	20325	1747.5	0.110	0.221	100	1.00	23.23	23.50	1.064	0.235
		Bottom	20325	1747.5	0.000	0.006	100	1.00	23.23	23.50	1.064	0.006

Band	Ch.	EUT Position	Measure SAR(W/kg)		
			Original	Repeated	SAR ratio
LTE Band 4(1RB)	20325	Right Tilt	0.855	0.803	1.06
LTE Band 4(50%RB)	20325	Right Tilt	0.849	0.810	1.05

Note: the ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20 , so second repeated measurement is not required.

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20425	826.5	0.160	0.099	100	1.00	25.11	25.50	1.094	0.108
		Left Tilt	20425	826.5	0.180	0.067	100	1.00	25.11	25.50	1.094	0.073
		Right Cheek	20425	826.5	0.140	0.493	100	1.00	25.11	25.50	1.094	0.539
		Right Tilt	20425	826.5	0.150	0.329	100	1.00	25.11	25.50	1.094	0.360
		Right Cheek	20425	826.5	0.170	0.096	100	1.00	25.11	25.50	1.094	0.105
	50%RB	Left Cheek	20425	826.5	0.040	0.066	100	1.00	25.11	25.50	1.094	0.072
		Left Tilt	20425	826.5	-0.030	0.481	100	1.00	25.11	25.50	1.094	0.526
		Right Cheek	20425	826.5	0.010	0.326	100	1.00	25.11	25.50	1.094	0.357
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20425	826.5	0.120	0.254	100	1.00	25.11	25.50	1.094	0.278
		Back	20425	826.5	0.040	0.370	100	1.00	25.11	25.50	1.094	0.405
		Left	20425	826.5	0.130	0.432	100	1.00	25.11	25.50	1.094	0.473
		Right	20425	826.5	-0.060	0.054	100	1.00	25.11	25.50	1.094	0.059
		Top	20425	826.5	-0.010	0.024	100	1.00	25.11	25.50	1.094	0.026
		Bottom	20425	826.5	0.170	0.011	100	1.00	25.11	25.50	1.094	0.012
		Left	20425	826.5	0.080	0.248	100	1.00	25.11	25.50	1.094	0.271
	50%RB	Front	20425	826.5	0.120	0.366	100	1.00	25.11	25.50	1.094	0.400
		Back	20425	826.5	0.050	0.429	100	1.00	25.11	25.50	1.094	0.469
		Left	20425	826.5	-0.010	0.051	100	1.00	25.11	25.50	1.094	0.056
		Right	20425	826.5	0.000	0.026	100	1.00	25.11	25.50	1.094	0.028
		Bottom	20425	826.5	-0.080	0.012	100	1.00	25.11	25.50	1.094	0.013

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	21375	2562.5	0.170	0.083	100	1.00	22.61	23.00	1.094	0.091
		Left Tilt	21375	2562.5	0.040	0.147	100	1.00	22.61	23.00	1.094	0.161
		Right Cheek	21375	2562.5	-0.120	0.244	100	1.00	22.61	23.00	1.094	0.267
		Right Tilt	21375	2562.5	0.180	0.422	100	1.00	22.61	23.00	1.094	0.462
	50%RB	Left Cheek	21375	2562.5	0.070	0.078	100	1.00	22.61	23.00	1.094	0.085
		Left Tilt	21375	2562.5	0.110	0.145	100	1.00	22.61	23.00	1.094	0.159
		Right Cheek	21375	2562.5	-0.080	0.241	100	1.00	22.61	23.00	1.094	0.264
		Right Tilt	21375	2562.5	-0.090	0.419	100	1.00	22.61	23.00	1.094	0.458
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	21375	2562.5	-0.130	0.038	100	1.00	22.61	23.00	1.094	0.042
		Back	21375	2562.5	0.150	0.054	100	1.00	22.61	23.00	1.094	0.059
		Left	21375	2562.5	-0.060	0.012	100	1.00	22.61	23.00	1.094	0.013
		Right	21375	2562.5	0.180	0.001	100	1.00	22.61	23.00	1.094	0.001
		Top	21375	2562.5	-0.080	0.061	100	1.00	22.61	23.00	1.094	0.067
		Bottom	21375	2562.5	0.110	0.001	100	1.00	22.61	23.00	1.094	0.001
	50%RB	Front	21375	2562.5	0.030	0.036	100	1.00	22.61	23.00	1.094	0.039
		Back	21375	2562.5	-0.140	0.055	100	1.00	22.61	23.00	1.094	0.060
		Left	21375	2562.5	0.080	0.001	100	1.00	22.61	23.00	1.094	0.001
		Right	21375	2562.5	0.140	0.001	100	1.00	22.61	23.00	1.094	0.001
		Top	21375	2562.5	0.090	0.059	100	1.00	22.61	23.00	1.094	0.065
		Bottom	21375	2562.5	0.000	0.002	100	1.00	22.61	23.00	1.094	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	23165	714.5	0.150	0.309	100	1.00	23.56	24.00	1.107	0.342
		Left Tilt	23165	714.5	0.170	0.050	100	1.00	23.56	24.00	1.107	0.055
		Right Cheek	23165	714.5	0.000	0.431	100	1.00	23.56	24.00	1.107	0.477
		Right Tilt	23165	714.5	-0.120	0.066	100	1.00	23.56	24.00	1.107	0.073
	50%RB	Left Cheek	23165	714.5	0.160	0.272	100	1.00	23.56	24.00	1.107	0.301
		Left Tilt	23165	714.5	-0.090	0.043	100	1.00	23.56	24.00	1.107	0.048
		Right Cheek	23165	714.5	-0.180	0.352	100	1.00	23.56	24.00	1.107	0.390
		Right Tilt	23165	714.5	-0.070	0.055	100	1.00	23.56	24.00	1.107	0.061
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	23165	714.5	-0.160	0.410	100	1.00	23.56	24.00	1.107	0.454
		Back	23165	714.5	-0.090	0.563	100	1.00	23.56	24.00	1.107	0.623
		Left	23165	714.5	0.060	0.673	100	1.00	23.56	24.00	1.107	0.745
		Right	23165	714.5	-0.020	0.087	100	1.00	23.56	24.00	1.107	0.096
		Top	23165	714.5	0.000	0.038	100	1.00	23.56	24.00	1.107	0.042
		Bottom	23165	714.5	0.130	0.017	100	1.00	23.56	24.00	1.107	0.019
	50%RB	Front	23165	714.5	-0.040	0.343	100	1.00	23.56	24.00	1.107	0.380
		Back	23165	714.5	0.120	0.487	100	1.00	23.56	24.00	1.107	0.539
		Left	23165	714.5	0.070	0.546	100	1.00	23.56	24.00	1.107	0.604
		Right	23165	714.5	-0.090	0.076	100	1.00	23.56	24.00	1.107	0.084
		Top	23165	714.5	0.030	0.032	100	1.00	23.56	24.00	1.107	0.035
		Bottom	23165	714.5	0.040	0.014	100	1.00	23.56	24.00	1.107	0.015

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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 13 (BW: 10MHz)	1RB	Left Cheek	23255	784.5	-0.090	0.111	100	1.00	24.02	24.50	1.117	0.124
		Left Tilt	23255	784.5	-0.180	0.049	100	1.00	24.02	24.50	1.117	0.055
		Right Cheek	23255	784.5	-0.030	0.123	100	1.00	24.02	24.50	1.117	0.137
		Right Tilt	23255	784.5	0.080	0.050	100	1.00	24.02	24.50	1.117	0.056
	50%RB	Left Cheek	23255	784.5	-0.130	0.094	100	1.00	24.02	24.50	1.117	0.105
		Left Tilt	23255	784.5	0.110	0.042	100	1.00	24.02	24.50	1.117	0.047
		Right Cheek	23255	784.5	-0.070	0.101	100	1.00	24.02	24.50	1.117	0.113
		Right Tilt	23255	784.5	0.160	0.043	100	1.00	24.02	24.50	1.117	0.048
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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 13 (BW: 10MHz)	1RB	Front	23255	784.5	-0.120	0.278	100	1.00	24.02	24.50	1.117	0.310
		Back	23255	784.5	0.160	0.405	100	1.00	24.02	24.50	1.117	0.452
		Left	23255	784.5	0.130	0.479	100	1.00	24.02	24.50	1.117	0.535
		Right	23255	784.5	-0.070	0.062	100	1.00	24.02	24.50	1.117	0.069
		Top	23255	784.5	0.080	0.027	100	1.00	24.02	24.50	1.117	0.030
		Bottom	23255	784.5	-0.110	0.012	100	1.00	24.02	24.50	1.117	0.013
	50%RB	Front	23255	784.5	-0.100	0.230	100	1.00	24.02	24.50	1.117	0.257
		Back	23255	784.5	-0.020	0.343	100	1.00	24.02	24.50	1.117	0.383
		Left	23255	784.5	0.170	0.390	100	1.00	24.02	24.50	1.117	0.436
		Right	23255	784.5	0.190	0.052	100	1.00	24.02	24.50	1.117	0.058
		Top	23255	784.5	-0.140	0.022	100	1.00	24.02	24.50	1.117	0.025
		Bottom	23255	784.5	0.150	0.010	100	1.00	24.02	24.50	1.117	0.011

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	711.0	0.140	0.391	100	1.00	23.62	24.00	1.091	0.427
		Left Tilt	23800	711.0	0.050	0.322	100	1.00	23.62	24.00	1.091	0.351
		Right Cheek	23800	711.0	-0.020	0.340	100	1.00	23.62	24.00	1.091	0.371
		Right Tilt	23800	711.0	-0.060	0.284	100	1.00	23.62	24.00	1.091	0.310
	50%RB	Left Cheek	23800	711.0	-0.080	0.316	100	1.00	23.62	24.00	1.091	0.345
		Left Tilt	23800	711.0	0.030	0.270	100	1.00	23.62	24.00	1.091	0.295
		Right Cheek	23800	711.0	0.130	0.278	100	1.00	23.62	24.00	1.091	0.303
		Right Tilt	23800	711.0	0.180	0.240	100	1.00	23.62	24.00	1.091	0.262
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	711.0	0.060	0.425	100	1.00	23.62	24.00	1.091	0.464
		Back	23800	711.0	0.140	0.601	100	1.00	23.62	24.00	1.091	0.656
		Left	23800	711.0	0.070	0.697	100	1.00	23.62	24.00	1.091	0.761
		Right	23800	711.0	-0.090	0.091	100	1.00	23.62	24.00	1.091	0.099
		Top	23800	711.0	0.190	0.039	100	1.00	23.62	24.00	1.091	0.043
		Bottom	23800	711.0	0.090	0.017	100	1.00	23.62	24.00	1.091	0.019
	50%RB	Front	23800	711.0	-0.080	0.368	100	1.00	23.62	24.00	1.091	0.402
		Back	23800	711.0	-0.010	0.494	100	1.00	23.62	24.00	1.091	0.539
		Left	23800	711.0	0.140	0.604	100	1.00	23.62	24.00	1.091	0.659
		Right	23800	711.0	-0.120	0.076	100	1.00	23.62	24.00	1.091	0.083
		Top	23800	711.0	0.020	0.034	100	1.00	23.62	24.00	1.091	0.037
		Bottom	23800	711.0	-0.030	0.014	100	1.00	23.62	24.00	1.091	0.015

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	38000	2595.0	0.110	0.088	100	1.00	22.27	23.00	1.183	0.104
		Left Tilt	38000	2595.0	-0.160	0.179	100	1.00	22.27	23.00	1.183	0.212
		Right Cheek	38000	2595.0	0.100	0.191	100	1.00	22.27	23.00	1.183	0.226
		Right Tilt	38000	2595.0	0.170	0.402	100	1.00	22.27	23.00	1.183	0.476
	50%RB	Left Cheek	38000	2595.0	0.040	0.085	100	1.00	22.27	23.00	1.183	0.101
		Left Tilt	38000	2595.0	0.070	0.173	100	1.00	22.27	23.00	1.183	0.205
		Right Cheek	38000	2595.0	-0.080	0.187	100	1.00	22.27	23.00	1.183	0.221
		Right Tilt	38000	2595.0	0.140	0.400	100	1.00	22.27	23.00	1.183	0.473
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	38000	2595.0	-0.120	0.051	100	1.00	22.27	23.00	1.183	0.060
		Back	38000	2595.0	-0.160	0.077	100	1.00	22.27	23.00	1.183	0.091
		Left	38000	2595.0	0.070	0.017	100	1.00	22.27	23.00	1.183	0.020
		Right	38000	2595.0	0.040	0.001	100	1.00	22.27	23.00	1.183	0.001
		Top	38000	2595.0	-0.040	0.082	100	1.00	22.27	23.00	1.183	0.097
		Bottom	38000	2595.0	0.100	0.002	100	1.00	22.27	23.00	1.183	0.002
	50%RB	Front	38000	2595.0	0.030	0.053	100	1.00	22.27	23.00	1.183	0.063
		Back	38000	2595.0	0.010	0.075	100	1.00	22.27	23.00	1.183	0.089
		Left	38000	2595.0	0.000	0.018	100	1.00	22.27	23.00	1.183	0.021
		Right	38000	2595.0	-0.090	0.001	100	1.00	22.27	23.00	1.183	0.001
		Top	38000	2595.0	0.090	0.081	100	1.00	22.27	23.00	1.183	0.096
		Bottom	38000	2595.0	0.180	0.002	100	1.00	22.27	23.00	1.183	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	-0.140	0.033	100	1.00	22.52	23.00	1.117	0.037
		Left Tilt	40620	2593.0	0.160	0.084	100	1.00	22.52	23.00	1.117	0.094
		Right Cheek	40620	2593.0	0.010	0.076	100	1.00	22.52	23.00	1.117	0.085
		Right Tilt	40620	2593.0	-0.070	0.196	100	1.00	22.52	23.00	1.117	0.219
		Left Cheek	39750	2506.0	0.040	0.208	100	1.00	22.52	23.00	1.117	0.232
		Left Cheek	40185	2549.5	0.130	0.185	100	1.00	22.52	23.00	1.117	0.207
		Left Cheek	41055	2636.5	0.150	0.210	100	1.00	22.52	23.00	1.117	0.235
		Left Cheek	41490	2680.0	-0.180	0.206	100	1.00	22.52	23.00	1.117	0.230
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	0.160	0.046	100	1.00	22.52	23.00	1.117	0.051
		Back	40620	2593.0	0.090	0.058	100	1.00	22.52	23.00	1.117	0.065
		Left	40620	2593.0	0.030	0.013	100	1.00	22.52	23.00	1.117	0.015
		Right	40620	2593.0	-0.110	0.001	100	1.00	22.52	23.00	1.117	0.001
		Top	40620	2593.0	-0.110	0.073	100	1.00	22.52	23.00	1.117	0.082
		Bottom	40620	2593.0	0.170	0.002	100	1.00	22.52	23.00	1.117	0.002
		Back	39750	2506.0	0.170	0.050	100	1.00	22.52	23.00	1.117	0.056
		Back	40185	2549.5	-0.020	0.052	100	1.00	22.52	23.00	1.117	0.058
		Back	41055	2636.5	-0.140	0.075	100	1.00	22.52	23.00	1.117	0.084
		Back	41490	2680.0	-0.020	0.074	100	1.00	22.52	23.00	1.117	0.083

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	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)	50%RB	Left Cheek	40620	2593.0	0.020	0.034	100	1.00	22.52	23.00	1.117	0.038
		Left Tilt	40620	2593.0	0.170	0.081	100	1.00	22.52	23.00	1.117	0.090
		Right Cheek	40620	2593.0	-0.020	0.078	100	1.00	22.52	23.00	1.117	0.087
		Right Tilt	40620	2593.0	0.020	0.194	100	1.00	22.52	23.00	1.117	0.217
		Left Cheek	39750	2506.0	-0.080	0.210	100	1.00	22.52	23.00	1.117	0.235
		Left Cheek	40185	2549.5	0.140	0.183	100	1.00	22.52	23.00	1.117	0.204
		Left Cheek	41055	2636.5	0.020	0.208	100	1.00	22.52	23.00	1.117	0.232
		Left Cheek	41490	2680.0	0.090	0.210	100	1.00	22.52	23.00	1.117	0.235
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	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)	50%RB	Front	40620	2593.0	0.080	0.044	100	1.00	22.52	23.00	1.117	0.049
		Back	40620	2593.0	-0.110	0.055	100	1.00	22.52	23.00	1.117	0.061
		Left	40620	2593.0	0.000	0.012	100	1.00	22.52	23.00	1.117	0.013
		Right	40620	2593.0	0.190	0.001	100	1.00	22.52	23.00	1.117	0.001
		Top	40620	2593.0	0.040	0.074	100	1.00	22.52	23.00	1.117	0.083
		Bottom	40620	2593.0	-0.070	0.002	100	1.00	22.52	23.00	1.117	0.002
		Back	39750	2506.0	0.050	0.051	100	1.00	22.52	23.00	1.117	0.057
		Back	40185	2549.5	0.150	0.051	100	1.00	22.52	23.00	1.117	0.057
		Back	41055	2636.5	-0.030	0.075	100	1.00	22.52	23.00	1.117	0.084
		Back	41490	2680.0	0.020	0.071	100	1.00	22.52	23.00	1.117	0.079

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	43015	3542.5	-0.090	0.248	100	1.00	21.79	22.00	1.050	0.260
		Left Tilt	43015	3542.5	0.070	0.450	100	1.00	21.79	22.00	1.050	0.472
		Right Cheek	43015	3542.5	0.130	0.230	100	1.00	21.79	22.00	1.050	0.241
		Right Tilt	43015	3542.5	0.110	0.400	100	1.00	21.79	22.00	1.050	0.420
	50%RB	Left Cheek	43015	3542.5	-0.070	0.247	100	1.00	21.79	22.00	1.050	0.259
		Left Tilt	43015	3542.5	-0.110	0.441	100	1.00	21.79	22.00	1.050	0.463
		Right Cheek	43015	3542.5	0.050	0.227	100	1.00	21.79	22.00	1.050	0.238
		Right Tilt	43015	3542.5	0.020	0.391	100	1.00	21.79	22.00	1.050	0.410
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	43015	3542.5	-0.060	0.060	100	1.00	21.79	22.00	1.050	0.063
		Back	43015	3542.5	0.020	0.086	100	1.00	21.79	22.00	1.050	0.090
		Left	43015	3542.5	-0.110	0.001	100	1.00	21.79	22.00	1.050	0.001
		Right	43015	3542.5	0.010	0.018	100	1.00	21.79	22.00	1.050	0.019
		Top	43015	3542.5	0.070	0.098	100	1.00	21.79	22.00	1.050	0.103
		Bottom	43015	3542.5	0.010	0.002	100	1.00	21.79	22.00	1.050	0.002
	50%RB	Front	43015	3542.5	0.190	0.057	100	1.00	21.79	22.00	1.050	0.060
		Back	43015	3542.5	0.010	0.081	100	1.00	21.79	22.00	1.050	0.085
		Left	43015	3542.5	0.120	0.001	100	1.00	21.79	22.00	1.050	0.001
		Right	43015	3542.5	-0.090	0.017	100	1.00	21.79	22.00	1.050	0.018
		Top	43015	3542.5	0.120	0.095	100	1.00	21.79	22.00	1.050	0.100
		Bottom	43015	3542.5	0.070	0.002	100	1.00	21.79	22.00	1.050	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	41340	3555.0	0.030	0.250	100	1.00	22.67	23.00	1.079	0.270
		Left Tilt	41340	3555.0	-0.260	0.419	100	1.00	22.67	23.00	1.079	0.452
		Right Cheek	41340	3555.0	1.330	0.226	100	1.00	22.67	23.00	1.079	0.244
		Right Tilt	41340	3555.0	-2.060	0.377	100	1.00	22.67	23.00	1.079	0.407
	50%RB	Left Cheek	41340	3555.0	-1.130	0.241	100	1.00	22.67	23.00	1.079	0.260
		Left Tilt	41340	3555.0	0.090	0.422	100	1.00	22.67	23.00	1.079	0.455
		Right Cheek	41340	3555.0	1.220	0.209	100	1.00	22.67	23.00	1.079	0.225
		Right Tilt	41340	3555.0	-0.630	0.357	100	1.00	22.67	23.00	1.079	0.385
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	41340	3555.0	-0.110	0.055	100	1.00	22.67	23.00	1.079	0.059
		Back	41340	3555.0	1.250	0.080	100	1.00	22.67	23.00	1.079	0.086
		Left	41340	3555.0	2.000	0.006	100	1.00	22.67	23.00	1.079	0.006
		Right	41340	3555.0	-0.330	0.019	100	1.00	22.67	23.00	1.079	0.020
		Top	41340	3555.0	0.260	0.088	100	1.00	22.67	23.00	1.079	0.095
		Bottom	41340	3555.0	-0.510	0.005	100	1.00	22.67	23.00	1.079	0.005
	50%RB	Front	41340	3555.0	-0.690	0.050	100	1.00	22.67	23.00	1.079	0.054
		Back	41340	3555.0	-1.300	0.077	100	1.00	22.67	23.00	1.079	0.083
		Left	41340	3555.0	0.470	0.003	100	1.00	22.67	23.00	1.079	0.003
		Right	41340	3555.0	0.550	0.015	100	1.00	22.67	23.00	1.079	0.016
		Top	41340	3555.0	-0.280	0.086	100	1.00	22.67	23.00	1.079	0.093
		Bottom	41340	3555.0	-1.060	0.004	100	1.00	22.67	23.00	1.079	0.004

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	132597	1772.5	-0.060	0.397	100	1.00	22.96	23.00	1.009	0.401
		Left Tilt	132597	1772.5	0.120	0.073	100	1.00	22.96	23.00	1.009	0.074
		Right Cheek	132597	1772.5	0.170	0.516	100	1.00	22.96	23.00	1.009	0.521
		Right Tilt	132597	1772.5	-0.030	0.093	100	1.00	22.96	23.00	1.009	0.094
	50%RB	Left Cheek	132597	1772.5	0.030	0.393	100	1.00	22.96	23.00	1.009	0.397
		Left Tilt	132597	1772.5	-0.050	0.071	100	1.00	22.96	23.00	1.009	0.072
		Right Cheek	132597	1772.5	0.140	0.513	100	1.00	22.96	23.00	1.009	0.518
		Right Tilt	132597	1772.5	0.090	0.092	100	1.00	22.96	23.00	1.009	0.093
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	132597	1772.5	0.150	0.173	100	1.00	22.96	23.00	1.009	0.175
		Back	132597	1772.5	-0.110	0.243	100	1.00	22.96	23.00	1.009	0.245
		Left	132597	1772.5	-0.050	0.051	100	1.00	22.96	23.00	1.009	0.051
		Right	132597	1772.5	-0.120	0.003	100	1.00	22.96	23.00	1.009	0.003
		Top	132597	1772.5	0.010	0.271	100	1.00	22.96	23.00	1.009	0.274
		Bottom	132597	1772.5	-0.070	0.002	100	1.00	22.96	23.00	1.009	0.002
	50%RB	Front	132597	1772.5	0.040	0.170	100	1.00	22.96	23.00	1.009	0.172
		Back	132597	1772.5	0.110	0.241	100	1.00	22.96	23.00	1.009	0.243
		Left	132597	1772.5	0.180	0.049	100	1.00	22.96	23.00	1.009	0.049
		Right	132597	1772.5	-0.170	0.004	100	1.00	22.96	23.00	1.009	0.004
		Top	132597	1772.5	0.000	0.268	100	1.00	22.96	23.00	1.009	0.270
		Bottom	132597	1772.5	0.050	0.002	100	1.00	22.96	23.00	1.009	0.002

11.4.4 Results overview of NR

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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: 10MHz)	1RB	Left Cheek	168300	841.5	-0.050	0.311	100	1.00	25.10	25.50	1.096	0.341
		Left Tilt	168300	841.5	0.160	0.126	100	1.00	25.10	25.50	1.096	0.138
		Right Cheek	168300	841.5	-0.180	0.324	100	1.00	25.10	25.50	1.096	0.355
		Right Tilt	168300	841.5	0.090	0.137	100	1.00	25.10	25.50	1.096	0.150
	50%RB	Left Cheek	168300	841.5	0.070	0.309	100	1.00	25.10	25.50	1.096	0.339
		Left Tilt	168300	841.5	-0.080	0.124	100	1.00	25.10	25.50	1.096	0.136
		Right Cheek	168300	841.5	0.140	0.321	100	1.00	25.10	25.50	1.096	0.352
		Right Tilt	168300	841.5	0.080	0.134	100	1.00	25.10	25.50	1.096	0.147
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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: 10MHz)	1RB	Front	168300	841.5	0.060	0.394	100	1.00	25.10	25.50	1.096	0.432
		Back	168300	841.5	-0.020	0.593	100	1.00	25.10	25.50	1.096	0.650
		Left	168300	841.5	-0.130	0.665	100	1.00	25.10	25.50	1.096	0.729
		Right	168300	841.5	0.020	0.085	100	1.00	25.10	25.50	1.096	0.093
		Top	168300	841.5	-0.080	0.038	100	1.00	25.10	25.50	1.096	0.042
		Bottom	168300	841.5	-0.040	0.017	100	1.00	25.10	25.50	1.096	0.019
	50%RB	Front	168300	841.5	0.110	0.392	100	1.00	25.10	25.50	1.096	0.430
		Back	168300	841.5	0.090	0.589	100	1.00	25.10	25.50	1.096	0.646
		Left	168300	841.5	-0.030	0.660	100	1.00	25.10	25.50	1.096	0.724
		Right side	168300	841.5	0.170	0.082	100	1.00	25.10	25.50	1.096	0.090
		Top side	168300	841.5	0.030	0.039	100	1.00	25.10	25.50	1.096	0.043
		Bottom side	168300	841.5	0.140	0.016	100	1.00	25.10	25.50	1.096	0.018

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	0.020	0.113	100	1.00	23.46	23.50	1.009	0.114
		Left Tilt	512000	2560.0	0.080	0.269	100	1.00	23.46	23.50	1.009	0.271
		Right Cheek	512000	2560.0	-0.060	0.256	100	1.00	23.46	23.50	1.009	0.258
		Right Tilt	512000	2560.0	0.140	0.593	100	1.00	23.46	23.50	1.009	0.598
	50%RB	Left Cheek	512000	2560.0	0.040	0.111	100	1.00	23.46	23.50	1.009	0.112
		Left Tilt	512000	2560.0	-0.140	0.267	100	1.00	23.46	23.50	1.009	0.269
		Right Cheek	512000	2560.0	0.000	0.254	100	1.00	23.46	23.50	1.009	0.256
		Right Tilt	512000	2560.0	0.170	0.588	100	1.00	23.46	23.50	1.009	0.593
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	0.140	0.056	100	1.00	23.46	23.50	1.009	0.057
		Back	512000	2560.0	0.090	0.083	100	1.00	23.46	23.50	1.009	0.084
		Left	512000	2560.0	-0.020	0.017	100	1.00	23.46	23.50	1.009	0.017
		Right	512000	2560.0	0.070	0.001	100	1.00	23.46	23.50	1.009	0.001
		Top	512000	2560.0	-0.160	0.090	100	1.00	23.46	23.50	1.009	0.091
		Bottom	512000	2560.0	-0.130	0.002	100	1.00	23.46	23.50	1.009	0.002
	50%RB	Front	512000	2560.0	0.170	0.053	100	1.00	23.46	23.50	1.009	0.053
		Back	512000	2560.0	-0.080	0.081	100	1.00	23.46	23.50	1.009	0.082
		Left	512000	2560.0	0.160	0.018	100	1.00	23.46	23.50	1.009	0.018
		Right	512000	2560.0	0.000	0.001	100	1.00	23.46	23.50	1.009	0.001
		Top	512000	2560.0	0.090	0.088	100	1.00	23.46	23.50	1.009	0.089
		Bottom	512000	2560.0	0.120	0.003	100	1.00	23.46	23.50	1.009	0.003

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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: 10MHz)	1RB	Left Cheek	140800	704.0	0.190	0.437	100	1.00	23.08	23.50	1.102	0.481
		Left Tilt	140800	704.0	0.180	0.344	100	1.00	23.08	23.50	1.102	0.379
		Right Cheek	140800	704.0	0.150	0.421	100	1.00	23.08	23.50	1.102	0.464
		Right Tilt	140800	704.0	-0.130	0.329	100	1.00	23.08	23.50	1.102	0.362
	50%RB	Left Cheek	140800	704.0	-0.150	0.379	100	1.00	23.08	23.50	1.102	0.417
		Left Tilt	140800	704.0	0.120	0.276	100	1.00	23.08	23.50	1.102	0.304
		Right Cheek	140800	704.0	0.050	0.337	100	1.00	23.08	23.50	1.102	0.371
		Right Tilt	140800	704.0	0.030	0.282	100	1.00	23.08	23.50	1.102	0.311
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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: 10MHz)	1RB	Front	140800	704.0	0.160	0.386	100	1.00	23.08	23.50	1.102	0.425
		Back	140800	704.0	0.180	0.588	100	1.00	23.08	23.50	1.102	0.648
		Left	140800	704.0	-0.130	0.677	100	1.00	23.08	23.50	1.102	0.746
		Right	140800	704.0	-0.110	0.086	100	1.00	23.08	23.50	1.102	0.095
		Top	140800	704.0	0.110	0.037	100	1.00	23.08	23.50	1.102	0.041
		Bottom	140800	704.0	-0.140	0.018	100	1.00	23.08	23.50	1.102	0.020
	50%RB	Front	140800	704.0	0.180	0.319	100	1.00	23.08	23.50	1.102	0.351
		Back	140800	704.0	0.030	0.483	100	1.00	23.08	23.50	1.102	0.532
		Left	140800	704.0	0.190	0.548	100	1.00	23.08	23.50	1.102	0.604
		Right	140800	704.0	0.130	0.071	100	1.00	23.08	23.50	1.102	0.078
		Top	140800	704.0	0.090	0.030	100	1.00	23.08	23.50	1.102	0.033
		Bottom	140800	704.0	0.100	0.016	100	1.00	23.08	23.50	1.102	0.018

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	519000	2595.0	0.070	0.145	100	1.00	22.97	23.00	1.007	0.146
		Left Tilt	519000	2595.0	-0.110	0.292	100	1.00	22.97	23.00	1.007	0.294
		Right Cheek	519000	2595.0	0.130	0.316	100	1.00	22.97	23.00	1.007	0.318
		Right Tilt	519000	2595.0	0.190	0.639	100	1.00	22.97	23.00	1.007	0.643
	50%RB	Left Cheek	519000	2595.0	0.050	0.142	100	1.00	22.97	23.00	1.007	0.143
		Left Tilt	519000	2595.0	0.130	0.288	100	1.00	22.97	23.00	1.007	0.290
		Right Cheek	519000	2595.0	-0.060	0.312	100	1.00	22.97	23.00	1.007	0.314
		Right Tilt	519000	2595.0	0.040	0.631	100	1.00	22.97	23.00	1.007	0.635
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	519000	2595.0	-0.110	0.088	100	1.00	22.97	23.00	1.007	0.089
		Back	519000	2595.0	0.040	0.131	100	1.00	22.97	23.00	1.007	0.132
		Left	519000	2595.0	-0.160	0.031	100	1.00	22.97	23.00	1.007	0.031
		Right	519000	2595.0	-0.130	0.002	100	1.00	22.97	23.00	1.007	0.002
		Top	519000	2595.0	-0.180	0.146	100	1.00	22.97	23.00	1.007	0.147
		Bottom	519000	2595.0	0.190	0.003	100	1.00	22.97	23.00	1.007	0.003
	50%RB	Front	519000	2595.0	0.050	0.086	100	1.00	22.97	23.00	1.007	0.087
		Back	519000	2595.0	-0.110	0.128	100	1.00	22.97	23.00	1.007	0.129
		Left	519000	2595.0	0.090	0.032	100	1.00	22.97	23.00	1.007	0.032
		Right	519000	2595.0	0.130	0.002	100	1.00	22.97	23.00	1.007	0.002
		Top	519000	2595.0	0.020	0.142	100	1.00	22.97	23.00	1.007	0.143
		Bottom	519000	2595.0	0.080	0.002	100	1.00	22.97	23.00	1.007	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Left Cheek	509202	2546.0	0.080	0.075	100	1.00	22.96	23.00	1.009	0.076
		Left Tilt	509202	2546.0	0.010	0.212	100	1.00	22.96	23.00	1.009	0.214
		Right Cheek	509202	2546.0	-0.050	0.186	100	1.00	22.96	23.00	1.009	0.188
		Right Tilt	509202	2546.0	0.120	0.325	100	1.00	22.96	23.00	1.009	0.328
	50%RB	Left Cheek	509202	2546.0	0.030	0.073	100	1.00	22.96	23.00	1.009	0.074
		Left Tilt	509202	2546.0	-0.090	0.207	100	1.00	22.96	23.00	1.009	0.209
		Right Cheek	509202	2546.0	0.140	0.184	100	1.00	22.96	23.00	1.009	0.186
		Right Tilt	509202	2546.0	0.110	0.321	100	1.00	22.96	23.00	1.009	0.324
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Front	509202	2546.0	0.010	0.182	100	1.00	22.96	23.00	1.009	0.184
		Back	509202	2546.0	-0.040	0.249	100	1.00	22.96	23.00	1.009	0.251
		Left	509202	2546.0	-0.090	0.052	100	1.00	22.96	23.00	1.009	0.052
		Right	509202	2546.0	0.150	0.005	100	1.00	22.96	23.00	1.009	0.005
		Top	509202	2546.0	-0.170	0.293	100	1.00	22.96	23.00	1.009	0.296
		Bottom	509202	2546.0	-0.030	0.007	100	1.00	22.96	23.00	1.009	0.007
	50%RB	Front	509202	2546.0	0.010	0.179	100	1.00	22.96	23.00	1.009	0.181
		Back	509202	2546.0	0.000	0.247	100	1.00	22.96	23.00	1.009	0.249
		Left	509202	2546.0	0.160	0.050	100	1.00	22.96	23.00	1.009	0.050
		Right	509202	2546.0	-0.090	0.004	100	1.00	22.96	23.00	1.009	0.004
		Top	509202	2546.0	0.020	0.287	100	1.00	22.96	23.00	1.009	0.290
		Bottom	509202	2546.0	0.170	0.006	100	1.00	22.96	23.00	1.009	0.006

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Left Cheek	346000	1730.0	-0.120	0.096	100	1.00	23.67	24.00	1.079	0.104
		Left Tilt	346000	1730.0	0.180	0.263	100	1.00	23.67	24.00	1.079	0.284
		Right Cheek	346000	1730.0	0.160	0.168	100	1.00	23.67	24.00	1.079	0.181
		Right Tilt	346000	1730.0	0.180	0.462	100	1.00	23.67	24.00	1.079	0.498
	50%RB	Left Cheek	346000	1730.0	0.010	0.092	100	1.00	23.67	24.00	1.079	0.099
		Left Tilt	346000	1730.0	0.180	0.260	100	1.00	23.67	24.00	1.079	0.281
		Right Cheek	346000	1730.0	-0.110	0.164	100	1.00	23.67	24.00	1.079	0.177
		Right Tilt	346000	1730.0	0.030	0.458	100	1.00	23.67	24.00	1.079	0.494
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Front	346000	1730.0	-0.150	0.072	100	1.00	23.67	24.00	1.079	0.078
		Back	346000	1730.0	-0.010	0.111	100	1.00	23.67	24.00	1.079	0.120
		Left	346000	1730.0	-0.030	0.022	100	1.00	23.67	24.00	1.079	0.024
		Right	346000	1730.0	0.060	0.002	100	1.00	23.67	24.00	1.079	0.002
		Top	346000	1730.0	-0.010	0.115	100	1.00	23.67	24.00	1.079	0.124
		Bottom	346000	1730.0	0.010	0.003	100	1.00	23.67	24.00	1.079	0.003
	50%RB	Front	346000	1730.0	0.070	0.068	100	1.00	23.67	24.00	1.079	0.073
		Back	346000	1730.0	0.140	0.108	100	1.00	23.67	24.00	1.079	0.117
		Left	346000	1730.0	0.090	0.022	100	1.00	23.67	24.00	1.079	0.024
		Right	346000	1730.0	-0.070	0.002	100	1.00	23.67	24.00	1.079	0.002
		Top	346000	1730.0	0.000	0.113	100	1.00	23.67	24.00	1.079	0.122
		Bottom	346000	1730.0	0.110	0.003	100	1.00	23.67	24.00	1.079	0.003

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Left Cheek	635000	3525.0	0.080	0.268	100	1.00	23.75	24.00	1.059	0.284
		Left Tilt	635000	3525.0	0.190	0.572	100	1.00	23.75	24.00	1.059	0.606
		Right Cheek	635000	3525.0	-0.110	0.166	100	1.00	23.75	24.00	1.059	0.176
		Right Tilt	635000	3525.0	0.030	0.511	100	1.00	23.75	24.00	1.059	0.541
	50%RB	Left Cheek	635000	3525.0	0.110	0.266	100	1.00	23.75	24.00	1.059	0.282
		Left Tilt	635000	3525.0	0.080	0.567	100	1.00	23.75	24.00	1.059	0.601
		Right Cheek	635000	3525.0	-0.010	0.162	100	1.00	23.75	24.00	1.059	0.172
		Right Tilt	635000	3525.0	-0.080	0.507	100	1.00	23.75	24.00	1.059	0.537
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Front	635000	3525.0	0.010	0.157	100	1.00	23.75	24.00	1.059	0.166
		Back	635000	3525.0	0.120	0.229	100	1.00	23.75	24.00	1.059	0.243
		Left	635000	3525.0	0.020	0.004	100	1.00	23.75	24.00	1.059	0.004
		Right	635000	3525.0	-0.070	0.048	100	1.00	23.75	24.00	1.059	0.051
		Top	635000	3525.0	-0.140	0.252	100	1.00	23.75	24.00	1.059	0.267
		Bottom	635000	3525.0	-0.090	0.006	100	1.00	23.75	24.00	1.059	0.006
	50%RB	Front	635000	3525.0	-0.070	0.154	100	1.00	23.75	24.00	1.059	0.163
		Back	635000	3525.0	0.010	0.226	100	1.00	23.75	24.00	1.059	0.239
		Left	635000	3525.0	0.000	0.004	100	1.00	23.75	24.00	1.059	0.004
		Right	635000	3525.0	0.180	0.046	100	1.00	23.75	24.00	1.059	0.049
		Top	635000	3525.0	-0.060	0.247	100	1.00	23.75	24.00	1.059	0.262
		Bottom	635000	3525.0	0.120	0.004	100	1.00	23.75	24.00	1.059	0.004

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Left Cheek	641666	3625.0	-0.500	0.321	100	1.00	23.64	24.00	1.086	0.349
		Left Tilt	641666	3625.0	-0.120	0.816	100	1.00	23.64	24.00	1.086	0.887
		Right Cheek	641666	3625.0	0.120	0.236	100	1.00	23.64	24.00	1.086	0.256
		Right Tilt	641666	3625.0	0.110	0.609	100	1.00	23.64	24.00	1.086	0.662
	50%RB	Left Tilt	641666	3625.0	-0.230	0.788	100	1.00	23.64	24.00	1.086	0.856
		Left Cheek	641666	3625.0	0.000	0.318	100	1.00	23.64	24.00	1.086	0.345
		Left Tilt	641666	3625.0	0.140	0.808	100	1.00	23.64	24.00	1.086	0.878
		Right Cheek	641666	3625.0	-0.080	0.231	100	1.00	23.64	24.00	1.086	0.251
NR n77 (BW:20MHz)	1RB	Right Tilt	641666	3625.0	0.120	0.601	100	1.00	23.64	24.00	1.086	0.653
		Left Tilt	641666	3625.0	1.000	0.779	100	1.00	23.64	24.00	1.086	0.846
	50%RB	Front	641666	3625.0	-0.090	0.117	100	1.00	23.64	24.00	1.086	0.127
		Back	641666	3625.0	-0.040	0.177	100	1.00	23.64	24.00	1.086	0.192
		Left	641666	3625.0	0.100	0.003	100	1.00	23.64	24.00	1.086	0.003
		Right	641666	3625.0	-0.040	0.036	100	1.00	23.64	24.00	1.086	0.039
		Top	641666	3625.0	0.080	0.193	100	1.00	23.64	24.00	1.086	0.210
		Bottom	641666	3625.0	-0.110	0.004	100	1.00	23.64	24.00	1.086	0.004
		Front	641666	3625.0	0.140	0.117	100	1.00	23.64	24.00	1.086	0.127
		Back	641666	3625.0	0.080	0.179	100	1.00	23.64	24.00	1.086	0.194
		Left	641666	3625.0	0.140	0.003	100	1.00	23.64	24.00	1.086	0.003
		Right	641666	3625.0	0.090	0.035	100	1.00	23.64	24.00	1.086	0.038
		Top	641666	3625.0	-0.080	0.190	100	1.00	23.64	24.00	1.086	0.206
		Bottom	641666	3625.0	0.000	0.004	100	1.00	23.64	24.00	1.086	0.004

Band	Ch.	EUT Position	Measure SAR(W/kg)		
			Original	Repeated	SAR ratio
NR n77(1RB)	641666	Left Tilt	0.816	0.788	1.04
NR n77(50%RB)	641666	Left Tilt	0.808	0.779	1.04

Note: the ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20 , so second repeated measurement is not required.

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Left Cheek	662000	3930.0	0.090	0.309	100	1.00	23.61	24.00	1.094	0.338
		Left Tilt	662000	3930.0	-0.100	0.912	100	1.00	23.61	24.00	1.094	0.998
		Right Cheek	662000	3930.0	0.130	0.233	100	1.00	23.61	24.00	1.094	0.255
		Right Tilt	662000	3930.0	-0.140	0.682	100	1.00	23.61	24.00	1.094	0.746
		Left Tilt	656000	3890.0	0.300	0.890	100	1.00	26.22	26.50	1.067	0.974
	50%RB	Left Cheek	662000	3930.0	0.010	0.311	100	1.00	23.61	24.00	1.094	0.340
		Left Tilt	662000	3930.0	0.100	0.907	100	1.00	23.61	24.00	1.094	0.992
		Right Cheek	662000	3930.0	0.090	0.230	100	1.00	23.61	24.00	1.094	0.252
		Right Tilt	662000	3930.0	0.160	0.678	100	1.00	23.61	24.00	1.094	0.742
		Left Tilt	656000	3890.0	0.220	0.882	100	1.00	23.61	24.00	1.094	0.965
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Front	656000	3890.0	2.120	0.291	100	1.00	26.22	26.50	1.067	0.310
		Back	656000	3890.0	-0.750	0.320	100	1.00	26.22	26.50	1.067	0.341
		Left	656000	3890.0	-0.880	0.252	100	1.00	26.22	26.50	1.067	0.269
		Right	656000	3890.0	0.134	0.195	100	1.00	26.22	26.50	1.067	0.208
		Top	656000	3890.0	2.510	0.220	100	1.00	26.22	26.50	1.067	0.235
		Bottom	656000	3890.0	3.610	0.099	100	1.00	26.22	26.50	1.067	0.106
	50%RB	Front	656000	3890.0	-0.080	0.192	100	1.00	26.22	26.50	1.067	0.205
		Back	656000	3890.0	0.340	0.211	100	1.00	26.22	26.50	1.067	0.225
		Left	656000	3890.0	3.450	0.166	100	1.00	26.22	26.50	1.067	0.177
		Right	656000	3890.0	-4.580	0.128	100	1.00	26.22	26.50	1.067	0.137
		Top	656000	3890.0	0.970	0.145	100	1.00	26.22	26.50	1.067	0.155
		Bottom	656000	3890.0	0.060	0.065	100	1.00	26.22	26.50	1.067	0.069

Band	Ch.	EUT Position	Measure SAR(W/kg)		
			Original	Repeated	SAR ratio
NR n77(1RB)	656000	Left Tilt	0.912	0.890	1.02
NR n77(50%RB)	656000	Left Tilt	0.907	0.882	1.03

Note: the ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20 , so second repeated measurement is not required.

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Left Cheek	631668	3745.0	0.170	0.185	100	1.00	23.63	24.00	1.089	0.201
		Left Tilt	631668	3745.0	-0.150	0.545	100	1.00	23.63	24.00	1.089	0.593
		Right Cheek	631668	3745.0	-0.060	0.153	100	1.00	23.63	24.00	1.089	0.167
		Right Tilt	631668	3745.0	0.010	0.466	100	1.00	23.63	24.00	1.089	0.507
	50%RB	Left Cheek	631668	3745.0	0.050	0.187	100	1.00	23.63	24.00	1.089	0.204
		Left Tilt	631668	3745.0	0.140	0.543	100	1.00	23.63	24.00	1.089	0.591
		Right Cheek	631668	3745.0	0.090	0.151	100	1.00	23.63	24.00	1.089	0.164
NR n78 (BW:20MHz)	1RB	Right Tilt	631668	3745.0	-0.010	0.463	100	1.00	23.63	24.00	1.089	0.504
		Front	631668	3745.0	0.010	0.085	100	1.00	23.63	24.00	1.089	0.093
		Back	631668	3745.0	0.010	0.112	100	1.00	23.63	24.00	1.089	0.122
		Left	631668	3745.0	-0.060	0.002	100	1.00	23.63	24.00	1.089	0.002
		Right	631668	3745.0	0.130	0.026	100	1.00	23.63	24.00	1.089	0.028
		Top	631668	3745.0	-0.130	0.146	100	1.00	23.63	24.00	1.089	0.159
	50%RB	Bottom	631668	3745.0	0.170	0.003	100	1.00	23.63	24.00	1.089	0.003
		Front	631668	3745.0	0.090	0.082	100	1.00	23.63	24.00	1.089	0.089
		Back	631668	3745.0	-0.180	0.113	100	1.00	23.63	24.00	1.089	0.123
		Left	631668	3745.0	0.020	0.002	100	1.00	23.63	24.00	1.089	0.002
		Right	631668	3745.0	0.080	0.028	100	1.00	23.63	24.00	1.089	0.030
		Top	631668	3745.0	0.060	0.141	100	1.00	23.63	24.00	1.089	0.154
		Bottom	631668	3745.0	-0.010	0.003	100	1.00	23.63	24.00	1.089	0.003

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Left Cheek	641666	3625.0	-0.130	0.314	100	1.00	23.52	24.00	1.117	0.351
		Left Tilt	641666	3625.0	0.090	0.862	100	1.00	23.52	24.00	1.117	0.963
		Right Cheek	641666	3625.0	-0.120	0.232	100	1.00	23.52	24.00	1.117	0.259
		Right Tilt	641666	3625.0	0.100	0.629	100	1.00	23.52	24.00	1.117	0.703
		Left Tilt	641666	3625.0	0.330	0.832	100	1.00	23.52	24.00	1.117	0.929
	50%RB	Left Cheek	641666	3625.0	0.190	0.310	100	1.00	23.52	24.00	1.117	0.346
		Left Tilt	641666	3625.0	-0.070	0.855	100	1.00	23.52	24.00	1.117	0.955
		Right Cheek	641666	3625.0	0.020	0.228	100	1.00	23.52	24.00	1.117	0.255
		Right Tilt	641666	3625.0	0.030	0.623	100	1.00	23.52	24.00	1.117	0.696
		Left Tilt	641666	3625.0	-0.160	0.829	100	1.00	23.52	24.00	1.117	0.926
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Front	641666	3625.0	0.150	0.159	100	1.00	23.52	24.00	1.117	0.178
		Back	641666	3625.0	0.030	0.235	100	1.00	23.52	24.00	1.117	0.262
		Left	641666	3625.0	-0.190	0.004	100	1.00	23.52	24.00	1.117	0.004
		Right	641666	3625.0	-0.020	0.052	100	1.00	23.52	24.00	1.117	0.058
		Top	641666	3625.0	-0.070	0.268	100	1.00	23.52	24.00	1.117	0.299
		Bottom	641666	3625.0	0.100	0.007	100	1.00	23.52	24.00	1.117	0.008
	50%RB	Front	641666	3625.0	0.080	0.155	100	1.00	23.52	24.00	1.117	0.173
		Back	641666	3625.0	-0.170	0.231	100	1.00	23.52	24.00	1.117	0.258
		Left	641666	3625.0	0.090	0.004	100	1.00	23.52	24.00	1.117	0.004
		Right	641666	3625.0	0.000	0.051	100	1.00	23.52	24.00	1.117	0.057
		Top	641666	3625.0	0.100	0.261	100	1.00	23.52	24.00	1.117	0.292
		Bottom	641666	3625.0	0.020	0.006	100	1.00	23.52	24.00	1.117	0.007

Band	Ch.	EUT Position	Measure SAR(W/kg)		
			Original	Repeated	SAR ratio
NR n78(1RB)	641666	Left Tilt	0.862	0.832	1.04
NR n78(50%RB)	641666	Left Tilt	0.855	0.829	1.03

Note: the ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20 , so second repeated measurement is not required.

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Left Cheek	650000	3750.0	0.110	0.375	100	1.00	23.30	23.50	1.047	0.393
		Left Tilt	650000	3750.0	-0.180	0.994	100	1.00	23.30	23.50	1.047	1.041
		Right Cheek	650000	3750.0	-0.130	0.316	100	1.00	23.30	23.50	1.047	0.331
		Right Tilt	650000	3750.0	0.040	0.842	100	1.00	23.30	23.50	1.047	0.882
		Left Tilt	650000	3750.0	-0.110	0.979	100	1.00	23.30	23.50	1.047	1.025
		Right Tilt	650000	3750.0	-0.23	0.826	100	1.00	23.30	23.50	1.047	0.865
	50%RB	Left Cheek	650000	3750.0	0.070	0.372	100	1.00	23.30	23.50	1.047	0.390
		Left Tilt	650000	3750.0	-0.020	0.988	100	1.00	23.30	23.50	1.047	1.035
		Right Cheek	650000	3750.0	0.170	0.312	100	1.00	23.30	23.50	1.047	0.327
		Right Tilt	650000	3750.0	0.050	0.839	100	1.00	23.30	23.50	1.047	0.879
		Left Tilt	650000	3750.0	0.090	0.961	100	1.00	23.30	23.50	1.047	1.006
		Right Tilt	650000	3750.0	-0.03	0.820	100	1.00	23.30	23.50	1.047	0.859
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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:20MHz)	1RB	Front	653000	3795.0	-2.120	0.204	100	1.00	25.92	26.00	1.019	0.208
		Back	653000	3795.0	-0.830	0.225	100	1.00	25.92	26.00	1.019	0.229
		Left	653000	3795.0	0.640	0.177	100	1.00	25.92	26.00	1.019	0.180
		Right	653000	3795.0	1.060	0.137	100	1.00	25.92	26.00	1.019	0.140
		Top	653000	3795.0	4.630	0.155	100	1.00	25.92	26.00	1.019	0.158
		Bottom	653000	3795.0	3.880	0.065	100	1.00	25.92	26.00	1.019	0.066
	50%RB	Front	653000	3795.0	0.680	0.118	100	1.00	25.92	26.00	1.019	0.120
		Back	653000	3795.0	-1.270	0.133	100	1.00	25.92	26.00	1.019	0.135
		Left	653000	3795.0	0.780	0.102	100	1.00	25.92	26.00	1.019	0.104
		Right	653000	3795.0	-2.650	0.079	100	1.00	25.92	26.00	1.019	0.080
		Top	653000	3795.0	3.650	0.089	100	1.00	25.92	26.00	1.019	0.091
		Bottom	653000	3795.0	0.080	0.037	100	1.00	25.92	26.00	1.019	0.038

Band	Ch.	EUT Position	Measure SAR(W/kg)		
			Original	Repeated	SAR ratio
NR n78(1RB)	641666	Left Tilt	0.994	0.979	1.02
		Right Tilt	0.842	0.826	1.02
NR n78(50%RB)	641666	Left Tilt	0.988	0.961	1.03
		Right Tilt	0.839	0.820	1.02

Note: the ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20 , so second repeated measurement is not required.

11.4.5 Results overview of NSA

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	-3.720	0.235	100	1.00	23.31	23.50	1.045	0.246
		Left Tilt	20600	844.0	-2.570	0.389	100	1.00	23.31	23.50	1.045	0.406
		Right Cheek	20600	844.0	-3.150	0.278	100	1.00	23.31	23.50	1.045	0.290
		Right Tilt	20600	844.0	-3.780	0.508	100	1.00	23.31	23.50	1.045	0.531
	50%RB	Left Cheek	20600	844.0	3.090	0.206	100	1.00	23.31	23.50	1.045	0.215
		Left Tilt	20600	844.0	1.740	0.360	100	1.00	23.31	23.50	1.045	0.376
		Right Cheek	20600	844.0	-2.180	0.249	100	1.00	23.31	23.50	1.045	0.260
		Right Tilt	20600	844.0	3.060	0.479	100	1.00	23.31	23.50	1.045	0.500
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	2.260	0.247	100	1.00	23.31	23.50	1.045	0.258
		Back	20600	844.0	-0.700	0.365	100	1.00	23.31	23.50	1.045	0.381
		Left	20600	844.0	1.940	0.175	100	1.00	23.31	23.50	1.045	0.183
		Right	20600	844.0	-3.720	0.142	100	1.00	23.31	23.50	1.045	0.148
		Top	20600	844.0	1.850	0.126	100	1.00	23.31	23.50	1.045	0.132
		Bottom	20600	844.0	2.640	0.007	100	1.00	23.31	23.50	1.045	0.007
	50%RB	Front	20600	844.0	-3.120	0.232	100	1.00	23.31	23.50	1.045	0.242
		Back	20600	844.0	0.940	0.350	100	1.00	23.31	23.50	1.045	0.366
		Left	20600	844.0	-1.750	0.160	100	1.00	23.31	23.50	1.045	0.167
		Right	20600	844.0	2.080	0.127	100	1.00	23.31	23.50	1.045	0.133
		Top	20600	844.0	-3.720	0.111	100	1.00	23.31	23.50	1.045	0.116
		Bottom	20600	844.0	1.040	0.006	100	1.00	23.31	23.50	1.045	0.006

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	1.240	0.035	100	1.00	23.30	23.50	1.047	0.037
		Left Tilt	20600	844.0	-0.960	0.041	100	1.00	23.30	23.50	1.047	0.043
		Right Cheek	20600	844.0	1.080	0.038	100	1.00	23.30	23.50	1.047	0.040
		Right Tilt	20600	844.0	-2.050	0.059	100	1.00	23.30	23.50	1.047	0.062
	50%RB	Left Cheek	20600	844.0	0.940	0.027	100	1.00	23.30	23.50	1.047	0.028
		Left Tilt	20600	844.0	1.090	0.033	100	1.00	23.30	23.50	1.047	0.035
		Right Cheek	20600	844.0	-2.730	0.030	100	1.00	23.30	23.50	1.047	0.031
		Right Tilt	20600	844.0	1.850	0.051	100	1.00	23.30	23.50	1.047	0.053
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	0.940	0.030	100	1.00	23.30	23.50	1.047	0.031
		Back	20600	844.0	-2.730	0.048	100	1.00	23.30	23.50	1.047	0.050
		Left	20600	844.0	1.090	0.021	100	1.00	23.30	23.50	1.047	0.022
		Right	20600	844.0	-2.080	0.015	100	1.00	23.30	23.50	1.047	0.016
		Top	20600	844.0	1.050	0.012	100	1.00	23.30	23.50	1.047	0.013
		Bottom	20600	844.0	-3.120	0.003	100	1.00	23.30	23.50	1.047	0.003
	50%RB	Front	20600	844.0	1.630	0.025	100	1.00	23.30	23.50	1.047	0.026
		Back	20600	844.0	-4.060	0.040	100	1.00	23.30	23.50	1.047	0.042
		Left	20600	844.0	2.750	0.018	100	1.00	23.30	23.50	1.047	0.019
		Right	20600	844.0	3.090	0.013	100	1.00	23.30	23.50	1.047	0.014
		Top	20600	844.0	-2.240	0.010	100	1.00	23.30	23.50	1.047	0.010
		Bottom	20600	844.0	1.320	0.002	100	1.00	23.30	23.50	1.047	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20450	829.0	2.290	0.035	100	1.00	23.29	23.50	1.050	0.037
		Left Tilt	20450	829.0	-3.140	0.049	100	1.00	23.29	23.50	1.050	0.051
		Right Cheek	20450	829.0	1.970	0.045	100	1.00	23.29	23.50	1.050	0.047
		Right Tilt	20450	829.0	2.180	0.075	100	1.00	23.29	23.50	1.050	0.079
	50%RB	Left Cheek	20450	829.0	1.090	0.026	100	1.00	23.29	23.50	1.050	0.027
		Left Tilt	20450	829.0	-2.640	0.040	100	1.00	23.29	23.50	1.050	0.042
		Right Cheek	20450	829.0	3.020	0.036	100	1.00	23.29	23.50	1.050	0.038
		Right Tilt	20450	829.0	1.080	0.066	100	1.00	23.29	23.50	1.050	0.069
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20450	829.0	0.390	0.042	100	1.00	23.29	23.50	1.050	0.044
		Back	20450	829.0	-2.630	0.064	100	1.00	23.29	23.50	1.050	0.067
		Left	20450	829.0	1.060	0.029	100	1.00	23.29	23.50	1.050	0.030
		Right	20450	829.0	-1.170	0.022	100	1.00	23.29	23.50	1.050	0.023
		Top	20450	829.0	0.920	0.018	100	1.00	23.29	23.50	1.050	0.019
		Bottom	20450	829.0	-3.390	0.006	100	1.00	23.29	23.50	1.050	0.006
	50%RB	Front	20450	829.0	3.040	0.037	100	1.00	23.29	23.50	1.050	0.039
		Back	20450	829.0	-2.290	0.059	100	1.00	23.29	23.50	1.050	0.062
		Left	20450	829.0	1.080	0.024	100	1.00	23.29	23.50	1.050	0.025
		Right	20450	829.0	3.760	0.017	100	1.00	23.29	23.50	1.050	0.018
		Top	20450	829.0	-2.280	0.013	100	1.00	23.29	23.50	1.050	0.014
		Bottom	20450	829.0	1.940	0.003	100	1.00	23.29	23.50	1.050	0.003

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20450	829.0	1.040	0.208	100	1.00	23.34	23.50	1.038	0.216
		Left Tilt	20450	829.0	-3.320	0.342	100	1.00	23.34	23.50	1.038	0.355
		Right Cheek	20450	829.0	2.390	0.249	100	1.00	23.34	23.50	1.038	0.258
		Right Tilt	20450	829.0	1.850	0.482	100	1.00	23.34	23.50	1.038	0.500
	50%RB	Left Cheek	20450	829.0	2.730	0.183	100	1.00	23.34	23.50	1.038	0.190
		Left Tilt	20450	829.0	1.080	0.317	100	1.00	23.34	23.50	1.038	0.329
		Right Cheek	20450	829.0	-3.060	0.224	100	1.00	23.34	23.50	1.038	0.232
		Right Tilt	20450	829.0	2.240	0.457	100	1.00	23.34	23.50	1.038	0.474
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20450	829.0	-3.420	0.229	100	1.00	23.34	23.50	1.038	0.238
		Back	20450	829.0	2.060	0.347	100	1.00	23.34	23.50	1.038	0.360
		Left	20450	829.0	0.080	0.160	100	1.00	23.34	23.50	1.038	0.166
		Right	20450	829.0	0.940	0.124	100	1.00	23.34	23.50	1.038	0.129
		Top	20450	829.0	-1.220	0.113	100	1.00	23.34	23.50	1.038	0.117
		Bottom	20450	829.0	3.410	0.006	100	1.00	23.34	23.50	1.038	0.006
	50%RB	Front	20450	829.0	1.890	0.209	100	1.00	23.34	23.50	1.038	0.217
		Back	20450	829.0	-2.620	0.327	100	1.00	23.34	23.50	1.038	0.339
		Left	20450	829.0	1.080	0.140	100	1.00	23.34	23.50	1.038	0.145
		Right	20450	829.0	3.750	0.104	100	1.00	23.34	23.50	1.038	0.108
		Top	20450	829.0	-3.320	0.093	100	1.00	23.34	23.50	1.038	0.096
		Bottom	20450	829.0	2.420	0.004	100	1.00	23.34	23.50	1.038	0.004

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20450	829.0	-4.630	0.694	100	1.00	23.43	23.50	1.016	0.705
		Left Tilt	20450	829.0	-4.670	0.334	100	1.00	23.43	23.50	1.016	0.339
		Right Cheek	20450	829.0	-2.500	0.511	100	1.00	23.43	23.50	1.016	0.519
		Right Tilt	20450	829.0	2.650	0.318	100	1.00	23.43	23.50	1.016	0.323
	50%RB	Left Cheek	20450	829.0	1.090	0.668	100	1.00	23.43	23.50	1.016	0.679
		Left Tilt	20450	829.0	-2.710	0.308	100	1.00	23.43	23.50	1.016	0.313
		Right Cheek	20450	829.0	2.060	0.485	100	1.00	23.43	23.50	1.016	0.493
		Right Tilt	20450	829.0	1.840	0.292	100	1.00	23.43	23.50	1.016	0.297
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20450	829.0	2.740	0.242	100	1.00	23.43	23.50	1.016	0.246
		Back	20450	829.0	-4.570	0.367	100	1.00	23.43	23.50	1.016	0.373
		Left	20450	829.0	1.930	0.157	100	1.00	23.43	23.50	1.016	0.160
		Right	20450	829.0	-3.720	0.139	100	1.00	23.43	23.50	1.016	0.141
		Top	20450	829.0	1.850	0.115	100	1.00	23.43	23.50	1.016	0.117
		Bottom	20450	829.0	2.060	0.006	100	1.00	23.43	23.50	1.016	0.006
	50%RB	Front	20450	829.0	1.390	0.228	100	1.00	23.43	23.50	1.016	0.232
		Back	20450	829.0	2.720	0.353	100	1.00	23.43	23.50	1.016	0.359
		Left	20450	829.0	3.080	0.143	100	1.00	23.43	23.50	1.016	0.145
		Right	20450	829.0	-2.140	0.125	100	1.00	23.43	23.50	1.016	0.127
		Top	20450	829.0	-3.620	0.101	100	1.00	23.43	23.50	1.016	0.103
		Bottom	20450	829.0	1.850	0.004	100	1.00	23.43	23.50	1.016	0.004

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20450	829.0	-4.850	0.689	100	1.00	23.36	23.50	1.033	0.712
		Left Tilt	20450	829.0	-4.860	0.340	100	1.00	23.36	23.50	1.033	0.351
		Right Cheek	20450	829.0	0.530	0.514	100	1.00	23.36	23.50	1.033	0.531
		Right Tilt	20450	829.0	2.290	0.275	100	1.00	23.36	23.50	1.033	0.284
	50%RB	Left Cheek	20450	829.0	1.290	0.657	100	1.00	23.36	23.50	1.033	0.679
		Left Tilt	20450	829.0	2.060	0.308	100	1.00	23.36	23.50	1.033	0.318
		Right Cheek	20450	829.0	1.850	0.482	100	1.00	23.36	23.50	1.033	0.498
		Right Tilt	20450	829.0	-2.030	0.243	100	1.00	23.36	23.50	1.033	0.251
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	20450	829.0	2.290	0.246	100	1.00	23.36	23.50	1.033	0.254
		Back	20450	829.0	-4.840	0.371	100	1.00	23.36	23.50	1.033	0.383
		Left	20450	829.0	-3.790	0.182	100	1.00	23.36	23.50	1.033	0.188
		Right	20450	829.0	2.270	0.159	100	1.00	23.36	23.50	1.033	0.164
		Top	20450	829.0	-3.640	0.130	100	1.00	23.36	23.50	1.033	0.134
		Bottom	20450	829.0	1.970	0.006	100	1.00	23.36	23.50	1.033	0.006
	50%RB	Front	20450	829.0	1.960	0.228	100	1.00	23.36	23.50	1.033	0.235
		Back	20450	829.0	-2.720	0.353	100	1.00	23.36	23.50	1.033	0.365
		Left	20450	829.0	-3.030	0.164	100	1.00	23.36	23.50	1.033	0.169
		Right	20450	829.0	1.090	0.141	100	1.00	23.36	23.50	1.033	0.146
		Top	20450	829.0	2.420	0.112	100	1.00	23.36	23.50	1.033	0.116
		Bottom	20450	829.0	-1.960	0.005	100	1.00	23.36	23.50	1.033	0.005

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	21350	2560.0	2.080	0.203	100	1.00	22.33	22.50	1.040	0.211
		Left Tilt	21350	2560.0	-1.420	0.571	100	1.00	22.33	22.50	1.040	0.594
		Right Cheek	21350	2560.0	3.150	0.186	100	1.00	22.33	22.50	1.040	0.193
		Right Tilt	21350	2560.0	-0.920	0.502	100	1.00	22.33	22.50	1.040	0.522
	50%RB	Left Cheek	21350	2560.0	1.080	0.174	100	1.00	22.33	22.50	1.040	0.181
		Left Tilt	21350	2560.0	-2.790	0.542	100	1.00	22.33	22.50	1.040	0.564
		Right Cheek	21350	2560.0	-3.320	0.157	100	1.00	22.33	22.50	1.040	0.163
		Right Tilt	21350	2560.0	1.450	0.473	100	1.00	22.33	22.50	1.040	0.492
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	21350	2560.0	1.490	0.103	100	1.00	22.33	22.50	1.040	0.107
		Back	21350	2560.0	-2.080	0.135	100	1.00	22.33	22.50	1.040	0.140
		Left	21350	2560.0	-2.940	0.081	100	1.00	22.33	22.50	1.040	0.084
		Right	21350	2560.0	1.820	0.075	100	1.00	22.33	22.50	1.040	0.078
		Top	21350	2560.0	3.910	0.064	100	1.00	22.33	22.50	1.040	0.067
		Bottom	21350	2560.0	-4.060	0.005	100	1.00	22.33	22.50	1.040	0.005
	50%RB	Front	21350	2560.0	2.830	0.088	100	1.00	22.33	22.50	1.040	0.092
		Back	21350	2560.0	1.270	0.120	100	1.00	22.33	22.50	1.040	0.125
		Left	21350	2560.0	-3.490	0.066	100	1.00	22.33	22.50	1.040	0.069
		Right	21350	2560.0	3.040	0.060	100	1.00	22.33	22.50	1.040	0.062
		Top	21350	2560.0	1.890	0.049	100	1.00	22.33	22.50	1.040	0.051
		Bottom	21350	2560.0	2.720	0.004	100	1.00	22.33	22.50	1.040	0.004

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	21425	2567.5	1.720	0.403	100	1.00	23.61	24.00	1.094	0.441
		Left Tilt	21425	2567.5	2.060	0.479	100	1.00	23.61	24.00	1.094	0.524
		Right Cheek	21425	2567.5	0.940	0.459	100	1.00	23.61	24.00	1.094	0.502
		Right Tilt	21425	2567.5	3.150	0.523	100	1.00	23.61	24.00	1.094	0.572
	50%RB	Left Cheek	21425	2567.5	2.750	0.347	100	1.00	23.61	24.00	1.094	0.380
		Left Tilt	21425	2567.5	1.080	0.423	100	1.00	23.61	24.00	1.094	0.463
		Right Cheek	21425	2567.5	-3.390	0.403	100	1.00	23.61	24.00	1.094	0.441
		Right Tilt	21425	2567.5	2.140	0.467	100	1.00	23.61	24.00	1.094	0.511
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	21425	2567.5	-2.290	0.317	100	1.00	23.61	24.00	1.094	0.347
		Back	21425	2567.5	-4.710	0.418	100	1.00	23.61	24.00	1.094	0.457
		Left	21425	2567.5	1.850	0.249	100	1.00	23.61	24.00	1.094	0.272
		Right	21425	2567.5	3.720	0.232	100	1.00	23.61	24.00	1.094	0.254
		Top	21425	2567.5	1.940	0.215	100	1.00	23.61	24.00	1.094	0.235
		Bottom	21425	2567.5	-3.060	0.010	100	1.00	23.61	24.00	1.094	0.011
	50%RB	Front	21425	2567.5	1.620	0.284	100	1.00	23.61	24.00	1.094	0.311
		Back	21425	2567.5	-3.710	0.385	100	1.00	23.61	24.00	1.094	0.421
		Left	21425	2567.5	4.060	0.216	100	1.00	23.61	24.00	1.094	0.236
		Right	21425	2567.5	1.630	0.199	100	1.00	23.61	24.00	1.094	0.218
		Top	21425	2567.5	2.250	0.182	100	1.00	23.61	24.00	1.094	0.199
		Bottom	21425	2567.5	0.750	0.008	100	1.00	23.61	24.00	1.094	0.009

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	21350	2560.0	3.920	0.249	100	1.00	23.59	24.00	1.099	0.274
		Left Tilt	21350	2560.0	-4.480	0.654	100	1.00	23.59	24.00	1.099	0.719
		Right Cheek	21350	2560.0	-3.040	0.203	100	1.00	23.59	24.00	1.099	0.223
		Right Tilt	21350	2560.0	-2.550	0.536	100	1.00	23.59	24.00	1.099	0.589
	50%RB	Left Cheek	21350	2560.0	2.640	0.207	100	1.00	23.59	24.00	1.099	0.227
		Left Tilt	21350	2560.0	1.820	0.612	100	1.00	23.59	24.00	1.099	0.673
		Right Cheek	21350	2560.0	-3.260	0.161	100	1.00	23.59	24.00	1.099	0.177
		Right Tilt	21350	2560.0	1.210	0.494	100	1.00	23.59	24.00	1.099	0.543
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	21350	2560.0	-2.290	0.115	100	1.00	23.59	24.00	1.099	0.126
		Back	21350	2560.0	-4.370	0.159	100	1.00	23.59	24.00	1.099	0.175
		Left	21350	2560.0	3.820	0.094	100	1.00	23.59	24.00	1.099	0.103
		Right	21350	2560.0	-4.460	0.085	100	1.00	23.59	24.00	1.099	0.093
		Top	21350	2560.0	2.670	0.073	100	1.00	23.59	24.00	1.099	0.080
		Bottom	21350	2560.0	-3.920	0.006	100	1.00	23.59	24.00	1.099	0.007
	50%RB	Front	21350	2560.0	-3.580	0.102	100	1.00	23.59	24.00	1.099	0.112
		Back	21350	2560.0	1.840	0.146	100	1.00	23.59	24.00	1.099	0.160
		Left	21350	2560.0	-3.260	0.081	100	1.00	23.59	24.00	1.099	0.089
		Right	21350	2560.0	1.270	0.072	100	1.00	23.59	24.00	1.099	0.079
		Top	21350	2560.0	2.490	0.060	100	1.00	23.59	24.00	1.099	0.066
		Bottom	21350	2560.0	0.190	0.005	100	1.00	23.59	24.00	1.099	0.005

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	-3.790	0.249	100	1.00	23.47	23.50	1.007	0.251
		Left Tilt	21100	2535.0	-4.930	0.658	100	1.00	23.47	23.50	1.007	0.663
		Right Cheek	21100	2535.0	-2.810	0.216	100	1.00	23.47	23.50	1.007	0.217
		Right Tilt	21100	2535.0	2.380	0.542	100	1.00	23.47	23.50	1.007	0.546
	50%RB	Left Cheek	21100	2535.0	2.060	0.218	100	1.00	23.47	23.50	1.007	0.220
		Left Tilt	21100	2535.0	1.840	0.627	100	1.00	23.47	23.50	1.007	0.631
		Right Cheek	21100	2535.0	-3.360	0.185	100	1.00	23.47	23.50	1.007	0.186
		Right Tilt	21100	2535.0	2.710	0.511	100	1.00	23.47	23.50	1.007	0.515
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	-2.290	0.125	100	1.00	23.47	23.50	1.007	0.126
		Back	21100	2535.0	-1.170	0.158	100	1.00	23.47	23.50	1.007	0.159
		Left	21100	2535.0	1.720	0.094	100	1.00	23.47	23.50	1.007	0.095
		Right	21100	2535.0	-3.830	0.080	100	1.00	23.47	23.50	1.007	0.081
		Top	21100	2535.0	1.970	0.072	100	1.00	23.47	23.50	1.007	0.072
		Bottom	21100	2535.0	-3.420	0.007	100	1.00	23.47	23.50	1.007	0.007
	50%RB	Front	21100	2535.0	2.820	0.109	100	1.00	23.47	23.50	1.007	0.110
		Back	21100	2535.0	-1.030	0.142	100	1.00	23.47	23.50	1.007	0.143
		Left	21100	2535.0	2.940	0.078	100	1.00	23.47	23.50	1.007	0.079
		Right	21100	2535.0	1.150	0.064	100	1.00	23.47	23.50	1.007	0.064
		Top	21100	2535.0	2.060	0.056	100	1.00	23.47	23.50	1.007	0.056
		Bottom	21100	2535.0	-3.320	0.005	100	1.00	23.47	23.50	1.007	0.005

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	38000	2595.0	3.750	0.373	100	1.00	23.43	23.50	1.016	0.379
		Left Tilt	38000	2595.0	1.280	0.596	100	1.00	23.43	23.50	1.016	0.606
		Right Cheek	38000	2595.0	1.610	0.320	100	1.00	23.43	23.50	1.016	0.325
		Right Tilt	38000	2595.0	4.130	0.403	100	1.00	23.43	23.50	1.016	0.410
	50%RB	Left Cheek	38000	2595.0	3.170	0.352	100	1.00	23.43	23.50	1.016	0.358
		Left Tilt	38000	2595.0	-1.190	0.575	100	1.00	23.43	23.50	1.016	0.584
		Right Cheek	38000	2595.0	1.020	0.299	100	1.00	23.43	23.50	1.016	0.304
		Right Tilt	38000	2595.0	2.080	0.382	100	1.00	23.43	23.50	1.016	0.388
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	38000	2595.0	-3.390	0.125	100	1.00	23.43	23.50	1.016	0.127
		Back	38000	2595.0	-4.320	0.172	100	1.00	23.43	23.50	1.016	0.175
		Left	38000	2595.0	2.850	0.113	100	1.00	23.43	23.50	1.016	0.115
		Right	38000	2595.0	-1.790	0.097	100	1.00	23.43	23.50	1.016	0.099
		Top	38000	2595.0	2.940	0.084	100	1.00	23.43	23.50	1.016	0.085
		Bottom	38000	2595.0	-3.750	0.004	100	1.00	23.43	23.50	1.016	0.004
	50%RB	Front	38000	2595.0	-3.710	0.116	100	1.00	23.43	23.50	1.016	0.118
		Back	38000	2595.0	1.420	0.163	100	1.00	23.43	23.50	1.016	0.166
		Left	38000	2595.0	-2.290	0.104	100	1.00	23.43	23.50	1.016	0.106
		Right	38000	2595.0	1.080	0.088	100	1.00	23.43	23.50	1.016	0.089
		Top	38000	2595.0	-3.720	0.075	100	1.00	23.43	23.50	1.016	0.076
		Bottom	38000	2595.0	2.940	0.003	100	1.00	23.43	23.50	1.016	0.003

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	39675	2498.5	0.940	0.039	100	1.00	21.82	22.00	1.042	0.041
		Left Tilt	39675	2498.5	-1.120	0.045	100	1.00	21.82	22.00	1.042	0.047
		Right Cheek	39675	2498.5	2.630	0.041	100	1.00	21.82	22.00	1.042	0.043
		Right Tilt	39675	2498.5	-2.030	0.070	100	1.00	21.82	22.00	1.042	0.073
	50%RB	Left Cheek	39675	2498.5	0.890	0.028	100	1.00	21.82	22.00	1.042	0.029
		Left Tilt	39675	2498.5	-1.280	0.042	100	1.00	21.82	22.00	1.042	0.044
		Right Cheek	39675	2498.5	3.370	0.038	100	1.00	21.82	22.00	1.042	0.040
		Right Tilt	39675	2498.5	1.840	0.068	100	1.00	21.82	22.00	1.042	0.071
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	39675	2498.5	0.960	0.045	100	1.00	21.82	22.00	1.042	0.047
		Back	39675	2498.5	1.250	0.067	100	1.00	21.82	22.00	1.042	0.070
		Left	39675	2498.5	-3.710	0.032	100	1.00	21.82	22.00	1.042	0.033
		Right	39675	2498.5	2.840	0.025	100	1.00	21.82	22.00	1.042	0.026
		Top	39675	2498.5	1.320	0.021	100	1.00	21.82	22.00	1.042	0.022
		Bottom	39675	2498.5	-1.190	0.009	100	1.00	21.82	22.00	1.042	0.009
	50%RB	Front	39675	2498.5	0.950	0.038	100	1.00	21.82	22.00	1.042	0.040
		Back	39675	2498.5	1.740	0.060	100	1.00	21.82	22.00	1.042	0.063
		Left	39675	2498.5	-3.350	0.025	100	1.00	21.82	22.00	1.042	0.026
		Right	39675	2498.5	1.820	0.018	100	1.00	21.82	22.00	1.042	0.019
		Top	39675	2498.5	-1.080	0.014	100	1.00	21.82	22.00	1.042	0.015
		Bottom	39675	2498.5	-4.620	0.004	100	1.00	21.82	22.00	1.042	0.004

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	41565	2687.5	-4.670	0.399	100	1.00	23.50	24.00	1.122	0.448
		Left Tilt	41565	2687.5	-1.660	0.664	100	1.00	23.50	24.00	1.122	0.745
		Right Cheek	41565	2687.5	1.860	0.212	100	1.00	23.50	24.00	1.122	0.238
		Right Tilt	41565	2687.5	3.050	0.368	100	1.00	23.50	24.00	1.122	0.413
	50%RB	Left Cheek	41565	2687.5	1.090	0.374	100	1.00	23.50	24.00	1.122	0.420
		Left Tilt	41565	2687.5	2.840	0.639	100	1.00	23.50	24.00	1.122	0.717
		Right Cheek	41565	2687.5	-3.020	0.187	100	1.00	23.50	24.00	1.122	0.210
		Right Tilt	41565	2687.5	-1.190	0.343	100	1.00	23.50	24.00	1.122	0.385
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	41565	2687.5	-2.010	0.042	100	1.00	23.50	24.00	1.122	0.047
		Back	41565	2687.5	-4.360	0.051	100	1.00	23.50	24.00	1.122	0.057
		Left	41565	2687.5	1.830	0.031	100	1.00	23.50	24.00	1.122	0.035
		Right	41565	2687.5	-2.620	0.025	100	1.00	23.50	24.00	1.122	0.028
		Top	41565	2687.5	1.950	0.020	100	1.00	23.50	24.00	1.122	0.022
		Bottom	41565	2687.5	-3.710	0.004	100	1.00	23.50	24.00	1.122	0.004
	50%RB	Front	41565	2687.5	-3.480	0.034	100	1.00	23.50	24.00	1.122	0.038
		Back	41565	2687.5	1.850	0.043	100	1.00	23.50	24.00	1.122	0.048
		Left	41565	2687.5	4.020	0.023	100	1.00	23.50	24.00	1.122	0.026
		Right	41565	2687.5	3.690	0.017	100	1.00	23.50	24.00	1.122	0.019
		Top	41565	2687.5	-4.430	0.012	100	1.00	23.50	24.00	1.122	0.013
		Bottom	41565	2687.5	1.090	0.004	100	1.00	23.50	24.00	1.122	0.004

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	40620	2593.0	-4.370	0.311	100	1.00	23.29	23.50	1.050	0.326
		Left Tilt	40620	2593.0	-4.670	0.662	100	1.00	23.29	23.50	1.050	0.695
		Right Cheek	40620	2593.0	0.000	0.219	100	1.00	23.29	23.50	1.050	0.230
		Right Tilt	40620	2593.0	-4.100	0.351	100	1.00	23.29	23.50	1.050	0.368
	50%RB	Left Cheek	40620	2593.0	1.060	0.290	100	1.00	23.29	23.50	1.050	0.304
		Left Tilt	40620	2593.0	-2.260	0.641	100	1.00	23.29	23.50	1.050	0.673
		Right Cheek	40620	2593.0	1.790	0.198	100	1.00	23.29	23.50	1.050	0.208
		Right Tilt	40620	2593.0	-3.370	0.330	100	1.00	23.29	23.50	1.050	0.346
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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	40620	2593.0	1.920	0.112	100	1.00	23.29	23.50	1.050	0.118
		Back	40620	2593.0	1.340	0.143	100	1.00	23.29	23.50	1.050	0.150
		Left	40620	2593.0	-2.290	0.064	100	1.00	23.29	23.50	1.050	0.067
		Right	40620	2593.0	3.750	0.052	100	1.00	23.29	23.50	1.050	0.055
		Top	40620	2593.0	1.080	0.041	100	1.00	23.29	23.50	1.050	0.043
		Bottom	40620	2593.0	-3.420	0.005	100	1.00	23.29	23.50	1.050	0.005
	50%RB	Front	40620	2593.0	2.890	0.105	100	1.00	23.29	23.50	1.050	0.110
		Back	40620	2593.0	-1.820	0.136	100	1.00	23.29	23.50	1.050	0.143
		Left	40620	2593.0	-3.370	0.057	100	1.00	23.29	23.50	1.050	0.060
		Right	40620	2593.0	1.940	0.045	100	1.00	23.29	23.50	1.050	0.047
		Top	40620	2593.0	2.030	0.034	100	1.00	23.29	23.50	1.050	0.036
		Bottom	40620	2593.0	-1.720	0.003	100	1.00	23.29	23.50	1.050	0.003

11.4.6 Results overview of WiFi

Mode	Position	Ch.	Freq. (MHz)	Power Drift (dB)	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) 802.11n(HT20))	Left Cheek	6	2437	0.190	0.112	100	1.00	27.83	28.00	1.040	0.116
	Left Tilt	6	2437	-0.060	0.194	100	1.00	27.83	28.00	1.040	0.202
	Right Cheek	6	2437	0.070	0.053	100	1.00	27.83	28.00	1.040	0.055
	Right Tilt	6	2437	0.110	0.092	100	1.00	27.83	28.00	1.040	0.096
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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) 802.11n(HT20))	Front	6	2437	0.020	0.018	100	1.00	27.83	28.00	1.040	0.019
	Back	6	2437	-0.170	0.026	100	1.00	27.83	28.00	1.040	0.027
	Left	6	2437	0.120	0.005	100	1.00	27.83	28.00	1.040	0.005
	Right	6	2437	0.070	0.007	100	1.00	27.83	28.00	1.040	0.007
	Top	6	2437	-0.170	0.030	100	1.00	27.83	28.00	1.040	0.031
	Bottom	6	2437	-0.110	0.002	100	1.00	27.83	28.00	1.040	0.002

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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 802.11n- HT20	Left Cheek	36	5180	-0.050	0.133	100	1.00	5.92	6.00	1.019	0.135
	Left Tilt	36	5180	0.160	0.210	100	1.00	5.92	6.00	1.019	0.214
	Right Cheek	36	5180	0.080	0.034	100	1.00	5.92	6.00	1.019	0.035
	Right Tilt	36	5180	0.040	0.052	100	1.00	5.92	6.00	1.019	0.053
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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 802.11n- HT20	Front	36	5180	0.140	0.012	100	1.00	5.92	6.00	1.019	0.012
	Back	36	5180	-0.170	0.018	100	1.00	5.92	6.00	1.019	0.018
	Left	36	5180	0.010	0.004	100	1.00	5.92	6.00	1.019	0.004
	Right	36	5180	0.110	0.003	100	1.00	5.92	6.00	1.019	0.003
	Top	36	5180	-0.050	0.021	100	1.00	5.92	6.00	1.019	0.021
	Bottom	36	5180	-0.040	0.003	100	1.00	5.92	6.00	1.019	0.003

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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 802.11n- HT20	Left Cheek	52	5260	0.030	0.156	100	1.00	5.55	6.00	1.109	0.173
	Left Tilt	52	5260	0.040	0.268	100	1.00	5.55	6.00	1.109	0.297
	Right Cheek	52	5260	-0.060	0.037	100	1.00	5.55	6.00	1.109	0.041
	Right Tilt	52	5260	0.150	0.069	100	1.00	5.55	6.00	1.109	0.077
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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 802.11n- HT20	Front	52	5260	0.110	0.021	100	1.00	5.55	6.00	1.109	0.023
	Back	52	5260	0.050	0.030	100	1.00	5.55	6.00	1.109	0.033
	Left	52	5260	0.190	0.002	100	1.00	5.55	6.00	1.109	0.002
	Right	52	5260	-0.140	0.006	100	1.00	5.55	6.00	1.109	0.007
	Top	52	5260	0.160	0.035	100	1.00	5.55	6.00	1.109	0.039
	Bottom	52	5260	0.100	0.003	100	1.00	5.55	6.00	1.109	0.003

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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 802.11n- HT20	Left Cheek	100	5500	-0.120	0.228	100	1.00	5.70	6.00	1.072	0.244
	Left Tilt	100	5500	0.060	0.310	100	1.00	5.70	6.00	1.072	0.332
	Right Cheek	100	5500	0.060	0.068	100	1.00	5.70	6.00	1.072	0.073
	Right Tilt	100	5500	0.170	0.093	100	1.00	5.70	6.00	1.072	0.100
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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 802.11n- HT20	Front	100	5500	0.140	0.027	100	1.00	5.70	6.00	1.072	0.029
	Back	100	5500	-0.010	0.039	100	1.00	5.70	6.00	1.072	0.042
	Left	100	5500	0.090	0.002	100	1.00	5.70	6.00	1.072	0.002
	Right	100	5500	-0.110	0.007	100	1.00	5.70	6.00	1.072	0.008
	Top	100	5500	-0.120	0.043	100	1.00	5.70	6.00	1.072	0.046
	Bottom	100	5500	0.070	0.001	100	1.00	5.70	6.00	1.072	0.001

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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 802.11n- HT20	Left Cheek	165	5825	0.070	0.132	100	1.00	3.06	3.50	1.107	0.146
	Left Tilt	165	5825	0.140	0.319	100	1.00	3.06	3.50	1.107	0.353
	Right Cheek	165	5825	-0.130	0.035	100	1.00	3.06	3.50	1.107	0.039
	Right Tilt	165	5825	0.010	0.083	100	1.00	3.06	3.50	1.107	0.092
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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 802.11n- HT20	Front	165	5825	0.150	0.027	100	1.00	3.06	3.50	1.107	0.030
	Back	165	5825	0.070	0.039	100	1.00	3.06	3.50	1.107	0.043
	Left	165	5825	-0.040	0.003	100	1.00	3.06	3.50	1.107	0.003
	Right	165	5825	-0.080	0.008	100	1.00	3.06	3.50	1.107	0.009
	Top	165	5825	-0.090	0.045	100	1.00	3.06	3.50	1.107	0.050
	Bottom	165	5825	0.110	0.001	100	1.00	3.06	3.50	1.107	0.001

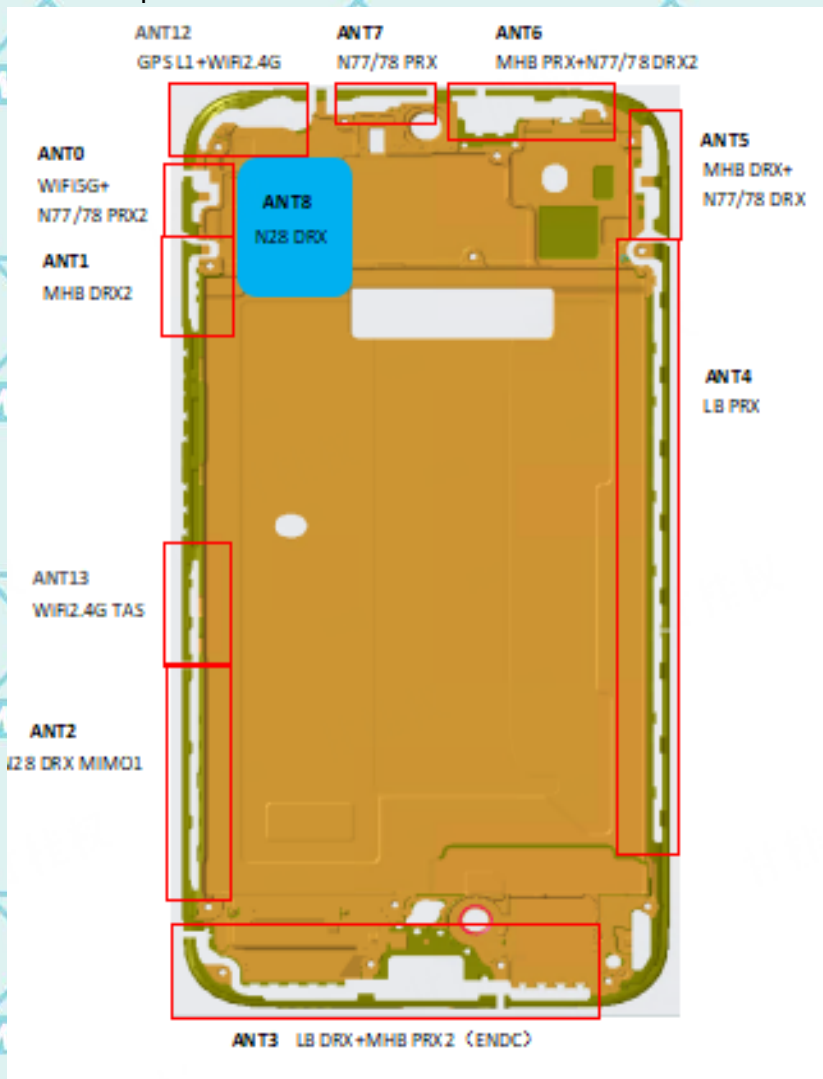
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Bluetooth	Left Cheek	39	2441	0.110	0.128	100	1.00	11.05	11.50	1.109	0.142
	Left Tilt	39	2441	0.040	0.269	100	1.00	11.05	11.50	1.109	0.298
	Right Cheek	39	2441	0.150	0.068	100	1.00	11.05	11.50	1.109	0.075
	Right Tilt	39	2441	0.140	0.148	100	1.00	11.05	11.50	1.109	0.164
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	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	39	2441	-0.050	0.030	100	1.00	11.05	11.50	1.109	0.033
	Back	39	2441	0.030	0.039	100	1.00	11.05	11.50	1.109	0.043
	Left	39	2441	-0.080	0.001	100	1.00	11.05	11.50	1.109	0.001
	Right	39	2441	0.110	0.009	100	1.00	11.05	11.50	1.109	0.010
	Top	39	2441	0.080	0.047	100	1.00	11.05	11.50	1.109	0.052
	Bottom	39	2441	0.010	0.001	100	1.00	11.05	11.50	1.109	0.001

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 $\leq 0.8\text{W/kg}$, 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 ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) 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.

12 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 /5G Antenna	Yes	Yes	Yes	Yes	Yes	Yes
Wi-Fi/BT Antenna	Yes	Yes	Yes	Yes	Yes	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.

12.1 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/NR +Wi-Fi	YES	YES	YES
2	GSM/GPRS/UMTS/LTE/NR +BT	YES	YES	YES

Note: The device does not support simultaneous BT and 2.4GWi-Fi ,because the BT and 2.4GWi-Fi share the same antenna and can't transmit simultaneously.

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12.1.1 SAR Summation Scenario

Head

Band	Test Position	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWAN+ BT Σ SAR (W/kg)	Llimit (W/kg)
		WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
GSM850 (voice)	Left Cheek	0.219	0.116	0.146	0.142	0.335	0.365	0.361	1.6
	Left Tilt	0.103	0.202	0.353	0.298	0.305	0.456	0.401	
	Right Cheek	0.191	0.055	0.039	0.075	0.246	0.230	0.266	
	Right Tilt	0.099	0.096	0.092	0.164	0.195	0.191	0.263	
GSM1900 (voice)	Left Cheek	0.103	0.116	0.146	0.142	0.219	0.249	0.245	
	Left Tilt	0.150	0.202	0.353	0.298	0.352	0.503	0.448	
	Right Cheek	0.132	0.055	0.039	0.075	0.187	0.171	0.207	
	Right Tilt	0.264	0.096	0.092	0.164	0.360	0.356	0.428	
WCDMA Band 2	Left Cheek	0.149	0.116	0.146	0.142	0.265	0.295	0.291	
	Left Tilt	0.251	0.202	0.353	0.298	0.453	0.604	0.549	
	Right Cheek	0.249	0.055	0.039	0.075	0.304	0.288	0.324	
	Right Tilt	0.425	0.096	0.092	0.164	0.521	0.517	0.589	
WCDMA Band 4	Left Cheek	0.191	0.116	0.146	0.142	0.307	0.337	0.333	
	Left Tilt	0.334	0.202	0.353	0.298	0.536	0.687	0.632	
	Right Cheek	0.327	0.055	0.039	0.075	0.382	0.366	0.402	
	Right Tilt	0.629	0.096	0.092	0.164	0.725	0.721	0.793	
WCDMA Band 5	Left Cheek	0.285	0.116	0.146	0.142	0.401	0.431	0.427	
	Left Tilt	0.110	0.202	0.353	0.298	0.312	0.463	0.408	
	Right Cheek	0.278	0.055	0.039	0.075	0.333	0.317	0.353	
	Right Tilt	0.103	0.096	0.092	0.164	0.199	0.195	0.267	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWAN+ BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
LTE Band 2 QPSK (20MHz)	Left Cheek	1RB	0.212	0.116	0.146	0.142	0.328	0.358	0.354	1.6
	Left Tilt		0.322	0.202	0.353	0.298	0.524	0.675	0.620	
	Right Cheek		0.345	0.055	0.039	0.075	0.400	0.384	0.420	
	Right Tilt		0.526	0.096	0.092	0.164	0.622	0.618	0.690	
	Left Cheek	50%RB	0.208	0.116	0.146	0.142	0.324	0.354	0.350	
	Left Tilt		0.320	0.202	0.353	0.298	0.522	0.673	0.618	
	Right Cheek		0.341	0.055	0.039	0.075	0.396	0.380	0.416	
	Right Tilt		0.518	0.096	0.092	0.164	0.614	0.610	0.682	
LTE Band 4 QPSK (20MHz)	Left Cheek	1RB	0.200	0.116	0.146	0.142	0.316	0.346	0.342	
	Left Tilt		0.521	0.202	0.353	0.298	0.723	0.874	0.819	
	Right Cheek		0.350	0.055	0.039	0.075	0.405	0.389	0.425	
	Right Tilt		0.910	0.096	0.092	0.164	1.006	1.002	1.074	
	Left Cheek	50%RB	0.855	0.096	0.092	0.164	0.951	0.947	1.019	
	Left Tilt		0.196	0.116	0.146	0.142	0.312	0.342	0.338	
	Right Cheek		0.513	0.202	0.353	0.298	0.715	0.866	0.811	
	Right Tilt		0.343	0.055	0.039	0.075	0.398	0.382	0.418	
	Left Cheek	1RB	0.903	0.096	0.092	0.164	0.999	0.995	1.067	
	Left Tilt		0.862	0.096	0.092	0.164	0.958	0.954	1.026	
	Right Cheek		0.108	0.116	0.146	0.142	0.224	0.254	0.250	
	Right Tilt		0.073	0.202	0.353	0.298	0.275	0.426	0.371	
LTE Band 5 QPSK (10MHz)	Left Cheek	1RB	0.539	0.055	0.039	0.075	0.594	0.578	0.614	
	Left Tilt		0.360	0.096	0.092	0.164	0.456	0.452	0.524	
	Right Cheek		0.105	0.116	0.146	0.142	0.221	0.251	0.247	
	Right Tilt		0.072	0.202	0.353	0.298	0.274	0.425	0.370	
	Left Cheek	50%RB	0.526	0.055	0.039	0.075	0.581	0.565	0.601	
	Left Tilt		0.357	0.096	0.092	0.164	0.453	0.449	0.521	
	Right Cheek		0.091	0.116	0.146	0.142	0.207	0.237	0.233	
	Right Tilt		0.161	0.202	0.353	0.298	0.363	0.514	0.459	
	Left Cheek	1RB	0.267	0.055	0.039	0.075	0.322	0.306	0.342	
	Left Tilt		0.462	0.096	0.092	0.164	0.558	0.554	0.626	
	Right Cheek		0.085	0.116	0.146	0.142	0.201	0.231	0.227	
	Right Tilt		0.159	0.202	0.353	0.298	0.361	0.512	0.457	
LTE Band 7 QPSK (20MHz)	Left Cheek	1RB	0.264	0.055	0.039	0.075	0.319	0.303	0.339	
	Left Tilt		0.458	0.096	0.092	0.164	0.554	0.550	0.622	
	Right Cheek		0.342	0.116	0.146	0.142	0.458	0.488	0.484	
	Right Tilt		0.055	0.202	0.353	0.298	0.257	0.408	0.353	
	Left Cheek	50%RB	0.477	0.055	0.039	0.075	0.532	0.516	0.552	
	Left Tilt		0.073	0.096	0.092	0.164	0.169	0.165	0.237	
	Right Cheek		0.301	0.116	0.146	0.142	0.417	0.447	0.443	
	Right Tilt		0.048	0.202	0.353	0.298	0.250	0.401	0.346	
LTE Band 12 QPSK (10MHz)	Left Cheek	1RB	0.390	0.055	0.039	0.075	0.445	0.429	0.465	
	Left Tilt		0.061	0.096	0.092	0.164	0.157	0.153	0.225	
	Right Cheek		0.124	0.116	0.146	0.142	0.240	0.270	0.266	
	Right Tilt		0.055	0.202	0.353	0.298	0.257	0.408	0.353	
	Left Cheek	50%RB	0.137	0.055	0.039	0.075	0.192	0.176	0.212	
	Left Tilt		0.056	0.096	0.092	0.164	0.152	0.148	0.220	
	Right Cheek		0.105	0.116	0.146	0.142	0.221	0.251	0.247	
	Right Tilt		0.047	0.202	0.353	0.298	0.249	0.400	0.345	
LTE Band 13 QPSK (10MHz)	Left Cheek	1RB	0.113	0.055	0.039	0.075	0.168	0.152	0.188	
	Left Tilt		0.048	0.096	0.092	0.164	0.144	0.140	0.212	
	Right Cheek		0.427	0.116	0.146	0.142	0.543	0.573	0.569	
	Right Tilt		0.351	0.202	0.353	0.298	0.553	0.704	0.649	
	Left Cheek	50%RB	0.371	0.055	0.039	0.075	0.426	0.410	0.446	
	Left Tilt		0.310	0.096	0.092	0.164	0.406	0.402	0.474	
	Right Cheek		0.345	0.116	0.146	0.142	0.461	0.491	0.487	
	Right Tilt		0.295	0.202	0.353	0.298	0.497	0.648	0.593	
LTE Band 17 QPSK (10MHz)	Left Cheek	1RB	0.303	0.055	0.039	0.075	0.358	0.342	0.378	
	Left Tilt		0.262	0.096	0.092	0.164	0.358	0.354	0.426	
	Right Cheek									
	Right Tilt									

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWA N+BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
LTE Band 38 QPSK (20MHz)	Left Cheek	1RB	0.104	0.116	0.146	0.142	0.220	0.250	0.246	1.6
	Left Tilt		0.212	0.202	0.353	0.298	0.414	0.565	0.510	
	Right Cheek		0.226	0.055	0.039	0.075	0.281	0.265	0.301	
	Right Tilt		0.476	0.096	0.092	0.164	0.572	0.568	0.640	
	Left Cheek	50%RB	0.101	0.116	0.146	0.142	0.217	0.247	0.243	
	Left Tilt		0.205	0.202	0.353	0.298	0.407	0.558	0.503	
	Right Cheek		0.221	0.055	0.039	0.075	0.276	0.260	0.296	
	Right Tilt		0.473	0.096	0.092	0.164	0.569	0.565	0.637	
LTE Band 41 QPSK (20MHz)	Left Cheek	1RB	0.037	0.116	0.146	0.142	0.153	0.183	0.179	
	Left Tilt		0.094	0.202	0.353	0.298	0.296	0.447	0.392	
	Right Cheek		0.085	0.055	0.039	0.075	0.140	0.124	0.160	
	Right Tilt		0.219	0.096	0.092	0.164	0.315	0.311	0.383	
	Left Cheek	50%RB	0.038	0.116	0.146	0.142	0.154	0.184	0.180	
	Left Tilt		0.090	0.202	0.353	0.298	0.292	0.443	0.388	
	Right Cheek		0.087	0.055	0.039	0.075	0.142	0.126	0.162	
	Right Tilt		0.217	0.096	0.092	0.164	0.313	0.309	0.381	
LTE Band 42 QPSK (20MHz)	Left Cheek	1RB	0.260	0.116	0.146	0.142	0.376	0.406	0.402	
	Left Tilt		0.472	0.202	0.353	0.298	0.674	0.825	0.770	
	Right Cheek		0.241	0.055	0.039	0.075	0.296	0.280	0.316	
	Right Tilt		0.420	0.096	0.092	0.164	0.516	0.512	0.584	
	Left Cheek	50%RB	0.259	0.116	0.146	0.142	0.375	0.405	0.401	
	Left Tilt		0.463	0.202	0.353	0.298	0.665	0.816	0.761	
	Right Cheek		0.238	0.055	0.039	0.075	0.293	0.277	0.313	
	Right Tilt		0.410	0.096	0.092	0.164	0.506	0.502	0.574	
LTE Band 42 QPSK (20MHz)	Left Cheek	1RB	0.270	0.116	0.146	0.142	0.386	0.416	0.412	
	Left Tilt		0.452	0.202	0.353	0.298	0.654	0.805	0.750	
	Right Cheek		0.244	0.055	0.039	0.075	0.299	0.283	0.319	
	Right Tilt		0.407	0.096	0.092	0.164	0.503	0.499	0.571	
	Left Cheek	50%RB	0.260	0.116	0.146	0.142	0.376	0.406	0.402	
	Left Tilt		0.455	0.202	0.353	0.298	0.657	0.808	0.753	
	Right Cheek		0.225	0.055	0.039	0.075	0.280	0.264	0.300	
	Right Tilt		0.385	0.096	0.092	0.164	0.481	0.477	0.549	
LTE Band 66 QPSK (20MHz)	Left Cheek	1RB	0.401	0.116	0.146	0.142	0.517	0.547	0.543	
	Left Tilt		0.074	0.202	0.353	0.298	0.276	0.427	0.372	
	Right Cheek		0.521	0.055	0.039	0.075	0.576	0.560	0.596	
	Right Tilt		0.094	0.096	0.092	0.164	0.190	0.186	0.258	
	Left Cheek	50%RB	0.397	0.116	0.146	0.142	0.513	0.543	0.539	
	Left Tilt		0.072	0.202	0.353	0.298	0.274	0.425	0.370	
	Right Cheek		0.518	0.055	0.039	0.075	0.573	0.557	0.593	
	Right Tilt		0.093	0.096	0.092	0.164	0.189	0.185	0.257	
NR Band 5	Left Cheek	1RB	0.341	0.116	0.146	0.142	0.457	0.487	0.483	
	Left Tilt		0.138	0.202	0.353	0.298	0.340	0.491	0.436	
	Right Cheek		0.355	0.055	0.039	0.075	0.410	0.394	0.430	
	Right Tilt		0.150	0.096	0.092	0.164	0.246	0.242	0.314	
	Left Cheek	50%RB	0.339	0.116	0.146	0.142	0.455	0.485	0.481	
	Left Tilt		0.136	0.202	0.353	0.298	0.338	0.489	0.434	
	Right Cheek		0.352	0.055	0.039	0.075	0.407	0.391	0.427	
	Right Tilt		0.147	0.096	0.092	0.164	0.243	0.239	0.311	
NR Band 7	Left Cheek	1RB	0.114	0.116	0.146	0.142	0.230	0.260	0.256	
	Left Tilt		0.271	0.202	0.353	0.298	0.473	0.624	0.569	
	Right Cheek		0.258	0.055	0.039	0.075	0.313	0.297	0.333	
	Right Tilt		0.598	0.096	0.092	0.164	0.694	0.690	0.762	
	Left Cheek	50%RB	0.112	0.116	0.146	0.142	0.228	0.258	0.254	
	Left Tilt		0.269	0.202	0.353	0.298	0.471	0.622	0.567	
	Right Cheek		0.256	0.055	0.039	0.075	0.311	0.295	0.331	
	Right Tilt		0.593	0.096	0.092	0.164	0.689	0.685	0.757	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWA N+BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
NR Band 12	Left Cheek	1RB	0.481	0.116	0.146	0.142	0.597	0.627	0.623	1.6
	Left Tilt		0.379	0.202	0.353	0.298	0.581	0.732	0.677	
	Right Cheek		0.464	0.055	0.039	0.075	0.519	0.503	0.539	
	Right Tilt		0.362	0.096	0.092	0.164	0.458	0.454	0.526	
	Left Cheek	50%RB	0.417	0.116	0.146	0.142	0.533	0.563	0.559	
	Left Tilt		0.304	0.202	0.353	0.298	0.506	0.657	0.602	
	Right Cheek		0.371	0.055	0.039	0.075	0.426	0.410	0.446	
	Right Tilt		0.311	0.096	0.092	0.164	0.407	0.403	0.475	
NR Band 38	Left Cheek	1RB	0.146	0.116	0.146	0.142	0.262	0.292	0.288	
	Left Tilt		0.294	0.202	0.353	0.298	0.496	0.647	0.592	
	Right Cheek		0.318	0.055	0.039	0.075	0.373	0.357	0.393	
	Right Tilt		0.643	0.096	0.092	0.164	0.739	0.735	0.807	
	Left Cheek	50%RB	0.143	0.116	0.146	0.142	0.259	0.289	0.285	
	Left Tilt		0.290	0.202	0.353	0.298	0.492	0.643	0.588	
	Right Cheek		0.314	0.055	0.039	0.075	0.369	0.353	0.389	
	Right Tilt		0.635	0.096	0.092	0.164	0.731	0.727	0.799	
NR Band 41	Left Cheek	1RB	0.076	0.116	0.146	0.142	0.192	0.222	0.218	
	Left Tilt		0.214	0.202	0.353	0.298	0.416	0.567	0.512	
	Right Cheek		0.188	0.055	0.039	0.075	0.243	0.227	0.263	
	Right Tilt		0.328	0.096	0.092	0.164	0.424	0.420	0.492	
	Left Cheek	50%RB	0.074	0.116	0.146	0.142	0.190	0.220	0.216	
	Left Tilt		0.209	0.202	0.353	0.298	0.411	0.562	0.507	
	Right Cheek		0.186	0.055	0.039	0.075	0.241	0.225	0.261	
	Right Tilt		0.324	0.096	0.092	0.164	0.420	0.416	0.488	
NR Band 66	Left Cheek	1RB	0.104	0.116	0.146	0.142	0.220	0.250	0.246	
	Left Tilt		0.284	0.202	0.353	0.298	0.486	0.637	0.582	
	Right Cheek		0.181	0.055	0.039	0.075	0.236	0.220	0.256	
	Right Tilt		0.498	0.096	0.092	0.164	0.594	0.590	0.662	
	Left Cheek	50%RB	0.099	0.116	0.146	0.142	0.215	0.245	0.241	
	Left Tilt		0.281	0.202	0.353	0.298	0.483	0.634	0.579	
	Right Cheek		0.177	0.055	0.039	0.075	0.232	0.216	0.252	
	Right Tilt		0.494	0.096	0.092	0.164	0.590	0.586	0.658	
NR Band 77	Left Cheek	1RB	0.284	0.116	0.146	0.142	0.400	0.430	0.426	
	Left Tilt		0.606	0.202	0.353	0.298	0.808	0.959	0.904	
	Right Cheek		0.176	0.055	0.039	0.075	0.231	0.215	0.251	
	Right Tilt		0.541	0.096	0.092	0.164	0.637	0.633	0.705	
	Left Cheek	50%RB	0.282	0.116	0.146	0.142	0.398	0.428	0.424	
	Left Tilt		0.601	0.202	0.353	0.298	0.803	0.954	0.899	
	Right Cheek		0.172	0.055	0.039	0.075	0.227	0.211	0.247	
	Right Tilt		0.537	0.096	0.092	0.164	0.633	0.629	0.701	
NR Band 77	Left Cheek	1RB	0.349	0.116	0.146	0.142	0.465	0.495	0.491	
	Left Tilt		0.887	0.202	0.353	0.298	1.089	1.240	1.185	
	Right Cheek		0.256	0.055	0.039	0.075	0.311	0.295	0.331	
	Right Tilt		0.662	0.096	0.092	0.164	0.758	0.754	0.826	
	Left Tilt	50%RB	0.856	0.202	0.353	0.298	1.058	1.209	1.154	
	Left Cheek		0.345	0.116	0.146	0.142	0.461	0.491	0.487	
	Left Tilt		0.878	0.202	0.353	0.298	1.080	1.231	1.176	
	Right Cheek		0.251	0.055	0.039	0.075	0.306	0.290	0.326	
NR Band 77	Right Tilt	50%RB	0.653	0.096	0.092	0.164	0.749	0.745	0.817	
	Left Tilt		0.846	0.202	0.353	0.298	1.048	1.199	1.144	
	Left Cheek	1RB	0.338	0.116	0.146	0.142	0.454	0.484	0.480	
	Left Tilt		0.998	0.202	0.353	0.298	1.200	1.351	1.296	
	Right Cheek		0.255	0.055	0.039	0.075	0.310	0.294	0.330	
	Right Tilt		0.746	0.096	0.092	0.164	0.842	0.838	0.910	
	Left Tilt	50%RB	0.974	0.202	0.353	0.298	1.176	1.327	1.272	
	Left Cheek		0.340	0.116	0.146	0.142	0.456	0.486	0.482	
	Left Tilt		0.992	0.202	0.353	0.298	1.194	1.345	1.290	
	Right Cheek		0.252	0.055	0.039	0.075	0.307	0.291	0.327	
	Right Tilt		0.742	0.096	0.092	0.164	0.838	0.834	0.906	
	Left Tilt		0.965	0.202	0.353	0.298	1.167	1.318	1.263	

Band	Test Position	Scaled SAR					WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWA N+BT Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
NR Band 78	Left Cheek	1RB	0.201	0.116	0.146	0.142	0.317	0.347	0.343	1.6
	Left Tilt		0.593	0.202	0.353	0.298	0.795	0.946	0.891	
	Right Cheek		0.167	0.055	0.039	0.075	0.222	0.206	0.242	
	Right Tilt		0.507	0.096	0.092	0.164	0.603	0.599	0.671	
	Left Cheek	50%RB	0.204	0.116	0.146	0.142	0.320	0.350	0.346	
	Left Tilt		0.591	0.202	0.353	0.298	0.793	0.944	0.889	
	Right Cheek		0.164	0.055	0.039	0.075	0.219	0.203	0.239	
	Right Tilt		0.504	0.096	0.092	0.164	0.600	0.596	0.668	
NR Band 78	Left Cheek	1RB	0.351	0.116	0.146	0.142	0.467	0.497	0.493	
	Left Tilt		0.963	0.202	0.353	0.298	1.165	1.316	1.261	
	Right Cheek		0.259	0.055	0.039	0.075	0.314	0.298	0.334	
	Right Tilt		0.703	0.096	0.092	0.164	0.799	0.795	0.867	
	Left Tilt	50%RB	0.929	0.202	0.353	0.298	1.131	1.282	1.227	
	Left Cheek		0.346	0.116	0.146	0.142	0.462	0.492	0.488	
	Left Tilt		0.955	0.202	0.353	0.298	1.157	1.308	1.253	
	Right Cheek		0.255	0.055	0.039	0.075	0.310	0.294	0.330	
NR Band 78	Right Tilt	50%RB	0.696	0.096	0.092	0.164	0.792	0.788	0.860	
	Left Tilt		0.926	0.202	0.353	0.298	1.128	1.279	1.224	
	Left Cheek	1RB	0.393	0.116	0.146	0.142	0.509	0.539	0.535	
	Left Tilt		1.041	0.202	0.353	0.298	1.243	1.394	1.339	
	Right Cheek		0.331	0.055	0.039	0.075	0.386	0.370	0.406	
	Right Tilt		0.882	0.096	0.092	0.164	0.978	0.974	1.046	
	Left Tilt	50%RB	1.025	0.202	0.353	0.298	1.227	1.378	1.323	
	Right Tilt		0.865	0.096	0.092	0.164	0.961	0.957	1.029	
NR Band 78	Left Cheek	1RB	0.390	0.116	0.146	0.142	0.506	0.536	0.532	
	Left Tilt		1.035	0.202	0.353	0.298	1.237	1.388	1.333	
	Right Cheek		0.327	0.055	0.039	0.075	0.382	0.366	0.402	
	Right Tilt		0.879	0.096	0.092	0.164	0.975	0.971	1.043	
5-n7	Left Tilt	50%RB	1.006	0.202	0.353	0.298	1.208	1.359	1.304	
	Right Tilt		0.859	0.096	0.092	0.164	0.955	0.951	1.023	
	Left Cheek	1RB	0.246	0.116	0.146	0.142	0.362	0.392	0.388	
	Left Tilt		0.406	0.202	0.353	0.298	0.608	0.759	0.704	
	Right Cheek		0.290	0.055	0.039	0.075	0.345	0.329	0.365	
	Right Tilt		0.531	0.096	0.092	0.164	0.627	0.623	0.695	
	Left Cheek	50%RB	0.215	0.116	0.146	0.142	0.331	0.361	0.357	
	Left Tilt		0.376	0.202	0.353	0.298	0.578	0.729	0.674	
5-n38	Right Cheek	50%RB	0.260	0.055	0.039	0.075	0.315	0.299	0.335	
	Right Tilt		0.500	0.096	0.092	0.164	0.596	0.592	0.664	
	Left Cheek	1RB	0.037	0.116	0.146	0.142	0.153	0.183	0.179	
	Left Tilt		0.043	0.202	0.353	0.298	0.245	0.396	0.341	
	Right Cheek		0.040	0.055	0.039	0.075	0.095	0.079	0.115	
	Right Tilt		0.062	0.096	0.092	0.164	0.158	0.154	0.226	
	Left Cheek	50%RB	0.028	0.116	0.146	0.142	0.144	0.174	0.170	
	Left Tilt		0.035	0.202	0.353	0.298	0.237	0.388	0.333	
5-n41	Right Cheek	50%RB	0.031	0.055	0.039	0.075	0.086	0.070	0.106	
	Right Tilt		0.053	0.096	0.092	0.164	0.149	0.145	0.217	
	Left Cheek	1RB	0.037	0.116	0.146	0.142	0.153	0.183	0.179	
	Left Tilt		0.051	0.202	0.353	0.298	0.253	0.404	0.349	
	Right Cheek	50%RB	0.047	0.055	0.039	0.075	0.102	0.086	0.122	
	Right Tilt		0.079	0.096	0.092	0.164	0.175	0.171	0.243	
	Left Cheek	50%RB	0.027	0.116	0.146	0.142	0.143	0.173	0.169	
	Left Tilt		0.042	0.202	0.353	0.298	0.244	0.395	0.340	
5-n66	Right Cheek	50%RB	0.038	0.055	0.039	0.075	0.093	0.077	0.113	
	Right Tilt		0.069	0.096	0.092	0.164	0.165	0.161	0.233	
	Left Cheek	1RB	0.216	0.116	0.146	0.142	0.332	0.362	0.358	
	Left Tilt		0.355	0.202	0.353	0.298	0.557	0.708	0.653	
	Right Cheek	50%RB	0.258	0.055	0.039	0.075	0.313	0.297	0.333	
	Right Tilt		0.500	0.096	0.092	0.164	0.596	0.592	0.664	
	Left Cheek	50%RB	0.190	0.116	0.146	0.142	0.306	0.336	0.332	
	Left Tilt		0.329	0.202	0.353	0.298	0.531	0.682	0.627	
5-n66	Right Cheek	50%RB	0.232	0.055	0.039	0.075	0.287	0.271	0.307	
	Right Tilt		0.474	0.096	0.092	0.164	0.570	0.566	0.638	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWA N+BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
5-n77	Left Cheek	1RB	0.705	0.116	0.146	0.142	0.821	0.851	0.847	1.6
	Left Tilt		0.339	0.202	0.353	0.298	0.541	0.692	0.637	
	Right Cheek		0.519	0.055	0.039	0.075	0.574	0.558	0.594	
	Right Tilt		0.323	0.096	0.092	0.164	0.419	0.415	0.487	
	Left Cheek	50%RB	0.679	0.116	0.146	0.142	0.795	0.825	0.821	
	Left Tilt		0.313	0.202	0.353	0.298	0.515	0.666	0.611	
	Right Cheek		0.493	0.055	0.039	0.075	0.548	0.532	0.568	
	Right Tilt		0.297	0.096	0.092	0.164	0.393	0.389	0.461	
5-n78	Left Cheek	1RB	0.712	0.116	0.146	0.142	0.828	0.858	0.854	
	Left Tilt		0.351	0.202	0.353	0.298	0.553	0.704	0.649	
	Right Cheek		0.531	0.055	0.039	0.075	0.586	0.570	0.606	
	Right Tilt		0.284	0.096	0.092	0.164	0.380	0.376	0.448	
	Left Cheek	50%RB	0.679	0.116	0.146	0.142	0.795	0.825	0.821	
	Left Tilt		0.318	0.202	0.353	0.298	0.520	0.671	0.616	
	Right Cheek		0.498	0.055	0.039	0.075	0.553	0.537	0.573	
	Right Tilt		0.251	0.096	0.092	0.164	0.347	0.343	0.415	
7-n7	Left Cheek	1RB	0.211	0.116	0.146	0.142	0.327	0.357	0.353	
	Left Tilt		0.594	0.202	0.353	0.298	0.796	0.947	0.892	
	Right Cheek		0.193	0.055	0.039	0.075	0.248	0.232	0.268	
	Right Tilt		0.522	0.096	0.092	0.164	0.618	0.614	0.686	
	Left Cheek	50%RB	0.181	0.116	0.146	0.142	0.297	0.327	0.323	
	Left Tilt		0.564	0.202	0.353	0.298	0.766	0.917	0.862	
	Right Cheek		0.163	0.055	0.039	0.075	0.218	0.202	0.238	
	Right Tilt		0.492	0.096	0.092	0.164	0.588	0.584	0.656	
7-n66	Left Cheek	1RB	0.441	0.116	0.146	0.142	0.557	0.587	0.583	
	Left Tilt		0.524	0.202	0.353	0.298	0.726	0.877	0.822	
	Right Cheek		0.502	0.055	0.039	0.075	0.557	0.541	0.577	
	Right Tilt		0.572	0.096	0.092	0.164	0.668	0.664	0.736	
	Left Cheek	50%RB	0.380	0.116	0.146	0.142	0.496	0.526	0.522	
	Left Tilt		0.463	0.202	0.353	0.298	0.665	0.816	0.761	
	Right Cheek		0.441	0.055	0.039	0.075	0.496	0.480	0.516	
	Right Tilt		0.511	0.096	0.092	0.164	0.607	0.603	0.675	
7-n77	Left Cheek	1RB	0.274	0.116	0.146	0.142	0.390	0.420	0.416	
	Left Tilt		0.719	0.202	0.353	0.298	0.921	1.072	1.017	
	Right Cheek		0.223	0.055	0.039	0.075	0.278	0.262	0.298	
	Right Tilt		0.589	0.096	0.092	0.164	0.685	0.681	0.753	
	Left Cheek	50%RB	0.227	0.116	0.146	0.142	0.343	0.373	0.369	
	Left Tilt		0.673	0.202	0.353	0.298	0.875	1.026	0.971	
	Right Cheek		0.177	0.055	0.039	0.075	0.232	0.216	0.252	
	Right Tilt		0.543	0.096	0.092	0.164	0.639	0.635	0.707	
7-n78	Left Cheek	1RB	0.251	0.116	0.146	0.142	0.367	0.397	0.393	
	Left Tilt		0.663	0.202	0.353	0.298	0.865	1.016	0.961	
	Right Cheek		0.217	0.055	0.039	0.075	0.272	0.256	0.292	
	Right Tilt		0.546	0.096	0.092	0.164	0.642	0.638	0.710	
	Left Cheek	50%RB	0.220	0.116	0.146	0.142	0.336	0.366	0.362	
	Left Tilt		0.631	0.202	0.353	0.298	0.833	0.984	0.929	
	Right Cheek		0.186	0.055	0.039	0.075	0.241	0.225	0.261	
	Right Tilt		0.515	0.096	0.092	0.164	0.611	0.607	0.679	
38-n78	Left Cheek	1RB	0.379	0.116	0.146	0.142	0.495	0.525	0.521	
	Left Tilt		0.606	0.202	0.353	0.298	0.808	0.959	0.904	
	Right Cheek		0.325	0.055	0.039	0.075	0.380	0.364	0.400	
	Right Tilt		0.410	0.096	0.092	0.164	0.506	0.502	0.574	
	Left Cheek	50%RB	0.358	0.116	0.146	0.142	0.474	0.504	0.500	
	Left Tilt		0.584	0.202	0.353	0.298	0.786	0.937	0.882	
	Right Cheek		0.304	0.055	0.039	0.075	0.359	0.343	0.379	
	Right Tilt		0.388	0.096	0.092	0.164	0.484	0.480	0.552	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWA N+BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
41-n41	Left Cheek	1RB	0.041	0.116	0.146	0.142	0.157	0.187	0.183	
	Left Tilt		0.047	0.202	0.353	0.298	0.249	0.400	0.345	
	Right Cheek		0.043	0.055	0.039	0.075	0.098	0.082	0.118	
	Right Tilt		0.073	0.096	0.092	0.164	0.169	0.165	0.237	
	Left Cheek	50%RB	0.029	0.116	0.146	0.142	0.145	0.175	0.171	
	Left Tilt		0.044	0.202	0.353	0.298	0.246	0.397	0.342	
	Right Cheek		0.040	0.055	0.039	0.075	0.095	0.079	0.115	
	Right Tilt		0.071	0.096	0.092	0.164	0.167	0.163	0.235	
41-n77	Left Cheek	1RB	0.448	0.116	0.146	0.142	0.564	0.594	0.590	
	Left Tilt		0.745	0.202	0.353	0.298	0.947	1.098	1.043	
	Right Cheek		0.238	0.055	0.039	0.075	0.293	0.277	0.313	
	Right Tilt		0.413	0.096	0.092	0.164	0.509	0.505	0.577	
	Left Cheek	50%RB	0.420	0.116	0.146	0.142	0.536	0.566	0.562	
	Left Tilt		0.717	0.202	0.353	0.298	0.919	1.070	1.015	
	Right Cheek		0.210	0.055	0.039	0.075	0.265	0.249	0.285	
	Right Tilt		0.385	0.096	0.092	0.164	0.481	0.477	0.549	
41-n78	Left Cheek	1RB	0.326	0.116	0.146	0.142	0.442	0.472	0.468	
	Left Tilt		0.695	0.202	0.353	0.298	0.897	1.048	0.993	
	Right Cheek		0.230	0.055	0.039	0.075	0.285	0.269	0.305	
	Right Tilt		0.368	0.096	0.092	0.164	0.464	0.460	0.532	
	Left Cheek	50%RB	0.304	0.116	0.146	0.142	0.420	0.450	0.446	
	Left Tilt		0.673	0.202	0.353	0.298	0.875	1.026	0.971	
	Right Cheek		0.208	0.055	0.039	0.075	0.263	0.247	0.283	
	Right Tilt		0.346	0.096	0.092	0.164	0.442	0.438	0.510	

Hotspot(body-worn10mm)

Band	Test Position	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWAN+ BT Σ SAR (W/kg)	Llimit (W/kg)
		WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
GSM850 (GPRS 4slots)	Front	0.480	0.019	0.030	0.033	0.499	0.510	0.513	1.6
	Back	0.603	0.027	0.043	0.043	0.630	0.646	0.646	
	Left	0.720	0.005	0.003	0.001	0.725	0.723	0.721	
	Right	0.093	0.007	0.009	0.010	0.100	0.102	0.103	
	Top	0.052	0.031	0.050	0.052	0.083	0.102	0.104	
	Bottom	0.014	0.002	0.001	0.001	0.016	0.015	0.015	
GSM1900 (GPRS 4slots)	Front	0.343	0.019	0.030	0.033	0.362	0.373	0.376	
	Back	0.470	0.027	0.043	0.043	0.497	0.513	0.513	
	Left	0.115	0.005	0.003	0.001	0.120	0.118	0.116	
	Right	0.006	0.007	0.009	0.010	0.013	0.015	0.016	
	Top	0.552	0.031	0.050	0.052	0.583	0.602	0.604	
	Bottom	0.010	0.002	0.001	0.001	0.012	0.011	0.011	
WCDMA Band 2	Front	0.069	0.019	0.030	0.033	0.088	0.099	0.102	
	Back	0.097	0.027	0.043	0.043	0.124	0.140	0.140	
	Left	0.021	0.005	0.003	0.001	0.026	0.024	0.022	
	Right	0.003	0.007	0.009	0.010	0.010	0.012	0.013	
	Top	0.117	0.031	0.050	0.052	0.148	0.167	0.169	
	Bottom	0.004	0.002	0.001	0.001	0.006	0.005	0.005	
WCDMA Band 4	Front	0.086	0.019	0.030	0.033	0.105	0.116	0.119	
	Back	0.121	0.027	0.043	0.043	0.148	0.164	0.164	
	Left	0.026	0.005	0.003	0.001	0.031	0.029	0.027	
	Right	0.002	0.007	0.009	0.010	0.009	0.011	0.012	
	Top	0.139	0.031	0.050	0.052	0.170	0.189	0.191	
	Bottom	0.004	0.002	0.001	0.001	0.006	0.005	0.005	
WCDMA Band 5	Front	0.380	0.019	0.030	0.033	0.399	0.410	0.413	
	Back	0.517	0.027	0.043	0.043	0.544	0.560	0.560	
	Left	0.629	0.005	0.003	0.001	0.634	0.632	0.630	
	Right	0.075	0.007	0.009	0.010	0.082	0.084	0.085	
	Top	0.043	0.031	0.050	0.052	0.074	0.093	0.095	
	Bottom	0.015	0.002	0.001	0.001	0.017	0.016	0.016	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWAN+ BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
LTE Band 2	Front	1RB	0.077	0.019	0.030	0.033	0.096	0.107	0.110	1.6
	Back		0.109	0.027	0.043	0.043	0.136	0.152	0.152	
	Left		0.023	0.005	0.003	0.001	0.028	0.026	0.024	
	Right		0.003	0.007	0.009	0.010	0.010	0.012	0.013	
	Top		0.127	0.031	0.050	0.052	0.158	0.177	0.179	
	Bottom		0.005	0.002	0.001	0.001	0.007	0.006	0.006	
	Front	50%RB	0.072	0.019	0.030	0.033	0.091	0.102	0.105	
	Back		0.105	0.027	0.043	0.043	0.132	0.148	0.148	
	Left		0.022	0.005	0.003	0.001	0.027	0.025	0.023	
	Right		0.003	0.007	0.009	0.010	0.010	0.012	0.013	
	Top		0.125	0.031	0.050	0.052	0.156	0.175	0.177	
	Bottom		0.007	0.002	0.001	0.001	0.009	0.008	0.008	
LTE Band 4	Front	1RB	0.146	0.019	0.030	0.033	0.165	0.176	0.179	
	Back		0.220	0.027	0.043	0.043	0.247	0.263	0.263	
	Left		0.046	0.005	0.003	0.001	0.051	0.049	0.047	
	Right		0.004	0.007	0.009	0.010	0.011	0.013	0.014	
	Top		0.240	0.031	0.050	0.052	0.271	0.290	0.292	
	Bottom		0.005	0.002	0.001	0.001	0.007	0.006	0.006	
	Front	50%RB	0.145	0.019	0.030	0.033	0.164	0.175	0.178	
	Back		0.222	0.027	0.043	0.043	0.249	0.265	0.265	
	Left		0.044	0.005	0.003	0.001	0.049	0.047	0.045	
	Right		0.004	0.007	0.009	0.010	0.011	0.013	0.014	
	Top		0.235	0.031	0.050	0.052	0.266	0.285	0.287	
	Bottom		0.006	0.002	0.001	0.001	0.008	0.007	0.007	
LTE Band 5	Front	1RB	0.278	0.019	0.030	0.033	0.297	0.308	0.311	
	Back		0.405	0.027	0.043	0.043	0.432	0.448	0.448	
	Left		0.473	0.005	0.003	0.001	0.478	0.476	0.474	
	Right		0.059	0.007	0.009	0.010	0.066	0.068	0.069	
	Top		0.026	0.031	0.050	0.052	0.057	0.076	0.078	
	Bottom		0.012	0.002	0.001	0.001	0.014	0.013	0.013	
	Front	50%RB	0.271	0.019	0.030	0.033	0.290	0.301	0.304	
	Back		0.400	0.027	0.043	0.043	0.427	0.443	0.443	
	Left		0.469	0.005	0.003	0.001	0.474	0.472	0.470	
	Right		0.056	0.007	0.009	0.010	0.063	0.065	0.066	
	Top		0.028	0.031	0.050	0.052	0.059	0.078	0.080	
	Bottom		0.013	0.002	0.001	0.001	0.015	0.014	0.014	
LTE Band 7	Front	1RB	0.042	0.019	0.030	0.033	0.061	0.072	0.075	
	Back		0.059	0.027	0.043	0.043	0.086	0.102	0.102	
	Left		0.013	0.005	0.003	0.001	0.018	0.016	0.014	
	Right		0.001	0.007	0.009	0.010	0.008	0.010	0.011	
	Top		0.067	0.031	0.050	0.052	0.098	0.117	0.119	
	Bottom		0.001	0.002	0.001	0.001	0.003	0.002	0.002	
	Front	50%RB	0.039	0.019	0.030	0.033	0.058	0.069	0.072	
	Back		0.060	0.027	0.043	0.043	0.087	0.103	0.103	
	Left		0.001	0.005	0.003	0.001	0.006	0.004	0.002	
	Right		0.001	0.007	0.009	0.010	0.008	0.010	0.011	
	Top		0.065	0.031	0.050	0.052	0.096	0.115	0.117	
	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
LTE Band 12	Front	1RB	0.454	0.019	0.030	0.033	0.473	0.484	0.487	
	Back		0.623	0.027	0.043	0.043	0.650	0.666	0.666	
	Left		0.745	0.005	0.003	0.001	0.750	0.748	0.746	
	Right		0.096	0.007	0.009	0.010	0.103	0.105	0.106	
	Top		0.042	0.031	0.050	0.052	0.073	0.092	0.094	
	Bottom		0.019	0.002	0.001	0.001	0.021	0.020	0.020	
	Front	50%RB	0.380	0.019	0.030	0.033	0.399	0.410	0.413	
	Back		0.539	0.027	0.043	0.043	0.566	0.582	0.582	
	Left		0.604	0.005	0.003	0.001	0.609	0.607	0.605	
	Right		0.084	0.007	0.009	0.010	0.091	0.093	0.094	
	Top		0.035	0.031	0.050	0.052	0.066	0.085	0.087	
	Bottom		0.015	0.002	0.001	0.001	0.017	0.016	0.016	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWAN+ BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
LTE Band 13	Front	1RB	0.310	0.019	0.030	0.033	0.329	0.340	0.343	1.6
	Back		0.452	0.027	0.043	0.043	0.479	0.495	0.495	
	Left		0.535	0.005	0.003	0.001	0.540	0.538	0.536	
	Right		0.069	0.007	0.009	0.010	0.076	0.078	0.079	
	Top		0.030	0.031	0.050	0.052	0.061	0.080	0.082	
	Bottom		0.013	0.002	0.001	0.001	0.015	0.014	0.014	
	Front	50%RB	0.257	0.019	0.030	0.033	0.276	0.287	0.290	
	Back		0.383	0.027	0.043	0.043	0.410	0.426	0.426	
	Left		0.436	0.005	0.003	0.001	0.441	0.439	0.437	
	Right		0.058	0.007	0.009	0.010	0.065	0.067	0.068	
	Top		0.025	0.031	0.050	0.052	0.056	0.075	0.077	
LTE Band 17	Bottom		0.011	0.002	0.001	0.001	0.013	0.012	0.012	
	Front	1RB	0.464	0.019	0.030	0.033	0.483	0.494	0.497	
	Back		0.656	0.027	0.043	0.043	0.683	0.699	0.699	
	Left		0.761	0.005	0.003	0.001	0.766	0.764	0.762	
	Right		0.099	0.007	0.009	0.010	0.106	0.108	0.109	
	Top		0.043	0.031	0.050	0.052	0.074	0.093	0.095	
	Bottom		0.019	0.002	0.001	0.001	0.021	0.020	0.020	
	Front	50%RB	0.402	0.019	0.030	0.033	0.421	0.432	0.435	
	Back		0.539	0.027	0.043	0.043	0.566	0.582	0.582	
	Left		0.659	0.005	0.003	0.001	0.664	0.662	0.660	
	Right		0.083	0.007	0.009	0.010	0.090	0.092	0.093	
	Top		0.037	0.031	0.050	0.052	0.068	0.087	0.089	
LTE Band 38	Bottom		0.015	0.002	0.001	0.001	0.017	0.016	0.016	
	Front	1RB	0.060	0.019	0.030	0.033	0.079	0.090	0.093	
	Back		0.091	0.027	0.043	0.043	0.118	0.134	0.134	
	Left		0.020	0.005	0.003	0.001	0.025	0.023	0.021	
	Right		0.001	0.007	0.009	0.010	0.008	0.010	0.011	
	Top		0.097	0.031	0.050	0.052	0.128	0.147	0.149	
	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
	Front	50%RB	0.063	0.019	0.030	0.033	0.082	0.093	0.096	
	Back		0.089	0.027	0.043	0.043	0.116	0.132	0.132	
	Left		0.021	0.005	0.003	0.001	0.026	0.024	0.022	
LTE Band 41	Right		0.001	0.007	0.009	0.010	0.008	0.010	0.011	
	Top		0.096	0.031	0.050	0.052	0.127	0.146	0.148	
	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
	Front	1RB	0.051	0.019	0.030	0.033	0.070	0.081	0.084	
	Back		0.065	0.027	0.043	0.043	0.092	0.108	0.108	
	Left		0.015	0.005	0.003	0.001	0.020	0.018	0.016	
	Right		0.001	0.007	0.009	0.010	0.008	0.010	0.011	
	Top		0.082	0.031	0.050	0.052	0.113	0.132	0.134	
	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
LTE Band 42	Front	50%RB	0.049	0.019	0.030	0.033	0.068	0.079	0.082	
	Back		0.061	0.027	0.043	0.043	0.088	0.104	0.104	
	Left		0.013	0.005	0.003	0.001	0.018	0.016	0.014	
	Right		0.001	0.007	0.009	0.010	0.008	0.010	0.011	
	Top		0.083	0.031	0.050	0.052	0.114	0.133	0.135	
	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
	Front	1RB	0.063	0.019	0.030	0.033	0.082	0.093	0.096	
	Back		0.090	0.027	0.043	0.043	0.117	0.133	0.133	
	Left		0.001	0.005	0.003	0.001	0.006	0.004	0.002	
	Right		0.019	0.007	0.009	0.010	0.026	0.028	0.029	
	Top		0.103	0.031	0.050	0.052	0.134	0.153	0.155	
LTE Band 42	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
	Front	50%RB	0.060	0.019	0.030	0.033	0.079	0.090	0.093	
	Back		0.085	0.027	0.043	0.043	0.112	0.128	0.128	
	Left		0.001	0.005	0.003	0.001	0.006	0.004	0.002	
	Right		0.018	0.007	0.009	0.010	0.025	0.027	0.028	
	Top		0.100	0.031	0.050	0.052	0.131	0.150	0.152	
	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G	WWAN+ WIFI5G	WWAN+ BT	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)	Σ SAR (W/kg)	Σ SAR (W/kg)	Σ SAR (W/kg)	
LTE Band 42	Front	1RB	0.059	0.019	0.030	0.033	0.078	0.089	0.092	1.6
	Back		0.086	0.027	0.043	0.043	0.113	0.129	0.129	
	Left		0.006	0.005	0.003	0.001	0.011	0.009	0.007	
	Right		0.020	0.007	0.009	0.010	0.027	0.029	0.030	
	Top		0.095	0.031	0.050	0.052	0.126	0.145	0.147	
	Bottom		0.005	0.002	0.001	0.001	0.007	0.006	0.006	
	Front	50%RB	0.054	0.019	0.030	0.033	0.073	0.084	0.087	
	Back		0.083	0.027	0.043	0.043	0.110	0.126	0.126	
	Left		0.003	0.005	0.003	0.001	0.008	0.006	0.004	
	Right		0.016	0.007	0.009	0.010	0.023	0.025	0.026	
	Top		0.093	0.031	0.050	0.052	0.124	0.143	0.145	
	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
LTE Band 66	Front	1RB	0.175	0.019	0.030	0.033	0.194	0.205	0.208	
	Back		0.245	0.027	0.043	0.043	0.272	0.288	0.288	
	Left		0.051	0.005	0.003	0.001	0.056	0.054	0.052	
	Right		0.003	0.007	0.009	0.010	0.010	0.012	0.013	
	Top		0.274	0.031	0.050	0.052	0.305	0.324	0.326	
	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
	Front	50%RB	0.172	0.019	0.030	0.033	0.191	0.202	0.205	
	Back		0.243	0.027	0.043	0.043	0.270	0.286	0.286	
	Left		0.049	0.005	0.003	0.001	0.054	0.052	0.050	
	Right		0.004	0.007	0.009	0.010	0.011	0.013	0.014	
	Top		0.270	0.031	0.050	0.052	0.301	0.320	0.322	
	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
N5	Front	1RB	0.432	0.019	0.030	0.033	0.451	0.462	0.465	
	Back		0.650	0.027	0.043	0.043	0.677	0.693	0.693	
	Left		0.729	0.005	0.003	0.001	0.734	0.732	0.730	
	Right		0.093	0.007	0.009	0.010	0.100	0.102	0.103	
	Top		0.042	0.031	0.050	0.052	0.073	0.092	0.094	
	Bottom		0.019	0.002	0.001	0.001	0.021	0.020	0.020	
	Front	50%RB	0.430	0.019	0.030	0.033	0.449	0.460	0.463	
	Back		0.646	0.027	0.043	0.043	0.673	0.689	0.689	
	Left		0.724	0.005	0.003	0.001	0.729	0.727	0.725	
	Right		0.090	0.007	0.009	0.010	0.097	0.099	0.100	
	Top		0.043	0.031	0.050	0.052	0.074	0.093	0.095	
	Bottom		0.018	0.002	0.001	0.001	0.020	0.019	0.019	
N7	Front	1RB	0.057	0.019	0.030	0.033	0.076	0.087	0.090	
	Back		0.084	0.027	0.043	0.043	0.111	0.127	0.127	
	Left		0.017	0.005	0.003	0.001	0.022	0.020	0.018	
	Right		0.001	0.007	0.009	0.010	0.008	0.010	0.011	
	Top		0.091	0.031	0.050	0.052	0.122	0.141	0.143	
	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
	Front	50%RB	0.053	0.019	0.030	0.033	0.072	0.083	0.086	
	Back		0.082	0.027	0.043	0.043	0.109	0.125	0.125	
	Left		0.018	0.005	0.003	0.001	0.023	0.021	0.019	
	Right		0.001	0.007	0.009	0.010	0.008	0.010	0.011	
	Top		0.089	0.031	0.050	0.052	0.120	0.139	0.141	
	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	
N12	Front	1RB	0.425	0.019	0.030	0.033	0.444	0.455	0.458	
	Back		0.648	0.027	0.043	0.043	0.675	0.691	0.691	
	Left		0.746	0.005	0.003	0.001	0.751	0.749	0.747	
	Right		0.095	0.007	0.009	0.010	0.102	0.104	0.105	
	Top		0.041	0.031	0.050	0.052	0.072	0.091	0.093	
	Bottom		0.020	0.002	0.001	0.001	0.022	0.021	0.021	
	Front	50%RB	0.351	0.019	0.030	0.033	0.370	0.381	0.384	
	Back		0.532	0.027	0.043	0.043	0.559	0.575	0.575	
	Left		0.604	0.005	0.003	0.001	0.609	0.607	0.605	
	Right		0.078	0.007	0.009	0.010	0.085	0.087	0.088	
	Top		0.033	0.031	0.050	0.052	0.064	0.083	0.085	
	Bottom		0.018	0.002	0.001	0.001	0.020	0.019	0.019	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G	WWAN+ WIFI5G	WWAN+ BT	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)	Σ SAR (W/kg)	Σ SAR (W/kg)	Σ SAR (W/kg)	
N38	Front	1RB	0.089	0.019	0.030	0.033	0.108	0.119	0.122	1.6
	Back		0.132	0.027	0.043	0.043	0.159	0.175	0.175	
	Left		0.031	0.005	0.003	0.001	0.036	0.034	0.032	
	Right		0.002	0.007	0.009	0.010	0.009	0.011	0.012	
	Top		0.147	0.031	0.050	0.052	0.178	0.197	0.199	
	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	
	Front	50%RB	0.087	0.019	0.030	0.033	0.106	0.117	0.120	
	Back		0.129	0.027	0.043	0.043	0.156	0.172	0.172	
	Left		0.032	0.005	0.003	0.001	0.037	0.035	0.033	
	Right		0.002	0.007	0.009	0.010	0.009	0.011	0.012	
	Top		0.143	0.031	0.050	0.052	0.174	0.193	0.195	
N41	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
	Front	1RB	0.184	0.019	0.030	0.033	0.203	0.214	0.217	
	Back		0.251	0.027	0.043	0.043	0.278	0.294	0.294	
	Left		0.052	0.005	0.003	0.001	0.057	0.055	0.053	
	Right		0.005	0.007	0.009	0.010	0.012	0.014	0.015	
	Top		0.296	0.031	0.050	0.052	0.327	0.346	0.348	
	Bottom		0.007	0.002	0.001	0.001	0.009	0.008	0.008	
	Front	50%RB	0.181	0.019	0.030	0.033	0.200	0.211	0.214	
	Back		0.249	0.027	0.043	0.043	0.276	0.292	0.292	
	Left		0.050	0.005	0.003	0.001	0.055	0.053	0.051	
	Right		0.004	0.007	0.009	0.010	0.011	0.013	0.014	
	Top		0.290	0.031	0.050	0.052	0.321	0.340	0.342	
N66	Bottom		0.006	0.002	0.001	0.001	0.008	0.007	0.007	
	Front	1RB	0.078	0.019	0.030	0.033	0.097	0.108	0.111	
	Back		0.120	0.027	0.043	0.043	0.147	0.163	0.163	
	Left		0.024	0.005	0.003	0.001	0.029	0.027	0.025	
	Right		0.002	0.007	0.009	0.010	0.009	0.011	0.012	
	Top		0.124	0.031	0.050	0.052	0.155	0.174	0.176	
	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	
	Front	50%RB	0.073	0.019	0.030	0.033	0.092	0.103	0.106	
	Back		0.117	0.027	0.043	0.043	0.144	0.160	0.160	
	Left		0.024	0.005	0.003	0.001	0.029	0.027	0.025	
	Right		0.002	0.007	0.009	0.010	0.009	0.011	0.012	
	Top		0.122	0.031	0.050	0.052	0.153	0.172	0.174	
N77	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	
	Front	1RB	0.166	0.019	0.030	0.033	0.185	0.196	0.199	
	Back		0.243	0.027	0.043	0.043	0.270	0.286	0.286	
	Left		0.004	0.005	0.003	0.001	0.009	0.007	0.005	
	Right		0.051	0.007	0.009	0.010	0.058	0.060	0.061	
	Top		0.267	0.031	0.050	0.052	0.298	0.317	0.319	
	Bottom		0.006	0.002	0.001	0.001	0.008	0.007	0.007	
	Front	50%RB	0.163	0.019	0.030	0.033	0.182	0.193	0.196	
	Back		0.239	0.027	0.043	0.043	0.266	0.282	0.282	
	Left		0.004	0.005	0.003	0.001	0.009	0.007	0.005	
	Right		0.049	0.007	0.009	0.010	0.056	0.058	0.059	
	Top		0.262	0.031	0.050	0.052	0.293	0.312	0.314	
N77	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
	Front	1RB	0.127	0.019	0.030	0.033	0.146	0.157	0.160	
	Back		0.192	0.027	0.043	0.043	0.219	0.235	0.235	
	Left		0.003	0.005	0.003	0.001	0.008	0.006	0.004	
	Right		0.039	0.007	0.009	0.010	0.046	0.048	0.049	
	Top		0.210	0.031	0.050	0.052	0.241	0.260	0.262	
	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
	Front	50%RB	0.127	0.019	0.030	0.033	0.146	0.157	0.160	
	Back		0.194	0.027	0.043	0.043	0.221	0.237	0.237	
	Left		0.003	0.005	0.003	0.001	0.008	0.006	0.004	
	Right		0.038	0.007	0.009	0.010	0.045	0.047	0.048	
	Top		0.206	0.031	0.050	0.052	0.237	0.256	0.258	
N77	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G	WWAN+ WIFI5G	WWAN+ BT	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)	Σ SAR (W/kg)	Σ SAR (W/kg)	Σ SAR (W/kg)	
N77	Front	1RB	0.310	0.019	0.030	0.033	0.329	0.340	0.343	1.6
	Back		0.341	0.027	0.043	0.043	0.368	0.384	0.384	
	Left		0.269	0.005	0.003	0.001	0.274	0.272	0.270	
	Right		0.208	0.007	0.009	0.010	0.215	0.217	0.218	
	Top		0.235	0.031	0.050	0.052	0.266	0.285	0.287	
	Bottom		0.106	0.002	0.001	0.001	0.108	0.107	0.107	
	Front	50%RB	0.205	0.019	0.030	0.033	0.224	0.235	0.238	
	Back		0.225	0.027	0.043	0.043	0.252	0.268	0.268	
	Left		0.177	0.005	0.003	0.001	0.182	0.180	0.178	
	Right		0.137	0.007	0.009	0.010	0.144	0.146	0.147	
	Top		0.155	0.031	0.050	0.052	0.186	0.205	0.207	
N78	Bottom		0.069	0.002	0.001	0.001	0.071	0.070	0.070	
	Front	1RB	0.093	0.019	0.030	0.033	0.112	0.123	0.126	
	Back		0.122	0.027	0.043	0.043	0.149	0.165	0.165	
	Left		0.002	0.005	0.003	0.001	0.007	0.005	0.003	
	Right		0.028	0.007	0.009	0.010	0.035	0.037	0.038	
	Top		0.159	0.031	0.050	0.052	0.190	0.209	0.211	
	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	
	Front	50%RB	0.089	0.019	0.030	0.033	0.108	0.119	0.122	
	Back		0.123	0.027	0.043	0.043	0.150	0.166	0.166	
	Left		0.002	0.005	0.003	0.001	0.007	0.005	0.003	
	Right		0.030	0.007	0.009	0.010	0.037	0.039	0.040	
	Top		0.154	0.031	0.050	0.052	0.185	0.204	0.206	
N78	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	
	Front	1RB	0.178	0.019	0.030	0.033	0.197	0.208	0.211	
	Back		0.262	0.027	0.043	0.043	0.289	0.305	0.305	
	Left		0.004	0.005	0.003	0.001	0.009	0.007	0.005	
	Right		0.058	0.007	0.009	0.010	0.065	0.067	0.068	
	Top		0.299	0.031	0.050	0.052	0.330	0.349	0.351	
	Bottom		0.008	0.002	0.001	0.001	0.010	0.009	0.009	
	Front	50%RB	0.173	0.019	0.030	0.033	0.192	0.203	0.206	
	Back		0.258	0.027	0.043	0.043	0.285	0.301	0.301	
	Left		0.004	0.005	0.003	0.001	0.009	0.007	0.005	
	Right		0.057	0.007	0.009	0.010	0.064	0.066	0.067	
	Top		0.292	0.031	0.050	0.052	0.323	0.342	0.344	
N78	Bottom		0.007	0.002	0.001	0.001	0.009	0.008	0.008	
	Front	1RB	0.208	0.019	0.030	0.033	0.227	0.238	0.241	
	Back		0.229	0.027	0.043	0.043	0.256	0.272	0.272	
	Left		0.180	0.005	0.003	0.001	0.185	0.183	0.181	
	Right		0.140	0.007	0.009	0.010	0.147	0.149	0.150	
	Top		0.158	0.031	0.050	0.052	0.189	0.208	0.210	
	Bottom		0.066	0.002	0.001	0.001	0.068	0.067	0.067	
	Front	50%RB	0.120	0.019	0.030	0.033	0.139	0.150	0.153	
	Back		0.135	0.027	0.043	0.043	0.162	0.178	0.178	
	Left		0.104	0.005	0.003	0.001	0.109	0.107	0.105	
	Right		0.080	0.007	0.009	0.010	0.087	0.089	0.090	
	Top		0.091	0.031	0.050	0.052	0.122	0.141	0.143	
5-n7	Bottom		0.038	0.002	0.001	0.001	0.040	0.039	0.039	
	Front	1RB	0.258	0.019	0.030	0.033	0.277	0.288	0.291	
	Back		0.381	0.027	0.043	0.043	0.408	0.424	0.424	
	Left		0.183	0.005	0.003	0.001	0.188	0.186	0.184	
	Right		0.148	0.007	0.009	0.010	0.155	0.157	0.158	
	Top		0.132	0.031	0.050	0.052	0.163	0.182	0.184	
	Bottom		0.007	0.002	0.001	0.001	0.009	0.008	0.008	
	Front	50%RB	0.242	0.019	0.030	0.033	0.261	0.272	0.275	
	Back		0.366	0.027	0.043	0.043	0.393	0.409	0.409	
	Left		0.167	0.005	0.003	0.001	0.172	0.170	0.168	
	Right		0.133	0.007	0.009	0.010	0.140	0.142	0.143	
	Top		0.116	0.031	0.050	0.052	0.147	0.166	0.168	
5-n7	Bottom		0.006	0.002	0.001	0.001	0.008	0.007	0.007	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWAN+ BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
5-n38	Front	1RB	0.031	0.019	0.030	0.033	0.050	0.061	0.064	1.6
	Back		0.050	0.027	0.043	0.043	0.077	0.093	0.093	
	Left		0.022	0.005	0.003	0.001	0.027	0.025	0.023	
	Right		0.016	0.007	0.009	0.010	0.023	0.025	0.026	
	Top		0.013	0.031	0.050	0.052	0.044	0.063	0.065	
	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	
	Front	50%RB	0.026	0.019	0.030	0.033	0.045	0.056	0.059	
	Back		0.042	0.027	0.043	0.043	0.069	0.085	0.085	
	Left		0.019	0.005	0.003	0.001	0.024	0.022	0.020	
	Right		0.014	0.007	0.009	0.010	0.021	0.023	0.024	
	Top		0.010	0.031	0.050	0.052	0.041	0.060	0.062	
5-n41	Bottom		0.002	0.002	0.001	0.001	0.004	0.003	0.003	
	Front	1RB	0.044	0.019	0.030	0.033	0.063	0.074	0.077	
	Back		0.067	0.027	0.043	0.043	0.094	0.110	0.110	
	Left		0.030	0.005	0.003	0.001	0.035	0.033	0.031	
	Right		0.023	0.007	0.009	0.010	0.030	0.032	0.033	
	Top		0.019	0.031	0.050	0.052	0.050	0.069	0.071	
	Bottom		0.006	0.002	0.001	0.001	0.008	0.007	0.007	
	Front	50%RB	0.039	0.019	0.030	0.033	0.058	0.069	0.072	
	Back		0.062	0.027	0.043	0.043	0.089	0.105	0.105	
	Left		0.025	0.005	0.003	0.001	0.030	0.028	0.026	
	Right		0.018	0.007	0.009	0.010	0.025	0.027	0.028	
	Top		0.014	0.031	0.050	0.052	0.045	0.064	0.066	
5-n66	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	
	Front	1RB	0.238	0.019	0.030	0.033	0.257	0.268	0.271	
	Back		0.360	0.027	0.043	0.043	0.387	0.403	0.403	
	Left		0.166	0.005	0.003	0.001	0.171	0.169	0.167	
	Right		0.129	0.007	0.009	0.010	0.136	0.138	0.139	
	Top		0.117	0.031	0.050	0.052	0.148	0.167	0.169	
	Bottom		0.006	0.002	0.001	0.001	0.008	0.007	0.007	
	Front	50%RB	0.217	0.019	0.030	0.033	0.236	0.247	0.250	
	Back		0.339	0.027	0.043	0.043	0.366	0.382	0.382	
	Left		0.145	0.005	0.003	0.001	0.150	0.148	0.146	
	Right		0.108	0.007	0.009	0.010	0.115	0.117	0.118	
	Top		0.096	0.031	0.050	0.052	0.127	0.146	0.148	
5-n77	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
	Front	1RB	0.246	0.019	0.030	0.033	0.265	0.276	0.279	
	Back		0.373	0.027	0.043	0.043	0.400	0.416	0.416	
	Left		0.160	0.005	0.003	0.001	0.165	0.163	0.161	
	Right		0.141	0.007	0.009	0.010	0.148	0.150	0.151	
	Top		0.117	0.031	0.050	0.052	0.148	0.167	0.169	
	Bottom		0.006	0.002	0.001	0.001	0.008	0.007	0.007	
	Front	50%RB	0.232	0.019	0.030	0.033	0.251	0.262	0.265	
	Back		0.359	0.027	0.043	0.043	0.386	0.402	0.402	
	Left		0.145	0.005	0.003	0.001	0.150	0.148	0.146	
	Right		0.127	0.007	0.009	0.010	0.134	0.136	0.137	
	Top		0.103	0.031	0.050	0.052	0.134	0.153	0.155	
5-n78	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
	Front	1RB	0.254	0.019	0.030	0.033	0.273	0.284	0.287	
	Back		0.383	0.027	0.043	0.043	0.410	0.426	0.426	
	Left		0.188	0.005	0.003	0.001	0.193	0.191	0.189	
	Right		0.164	0.007	0.009	0.010	0.171	0.173	0.174	
	Top		0.134	0.031	0.050	0.052	0.165	0.184	0.186	
	Bottom		0.006	0.002	0.001	0.001	0.008	0.007	0.007	
	Front	50%RB	0.235	0.019	0.030	0.033	0.254	0.265	0.268	
	Back		0.365	0.027	0.043	0.043	0.392	0.408	0.408	
	Left		0.169	0.005	0.003	0.001	0.174	0.172	0.170	
	Right		0.146	0.007	0.009	0.010	0.153	0.155	0.156	
	Top		0.116	0.031	0.050	0.052	0.147	0.166	0.168	
5-n78	Bottom		0.005	0.002	0.001	0.001	0.007	0.006	0.006	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWAN+ BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
7-n7	Front	1RB	0.107	0.019	0.030	0.033	0.126	0.137	0.140	1.6
	Back		0.140	0.027	0.043	0.043	0.167	0.183	0.183	
	Left		0.084	0.005	0.003	0.001	0.089	0.087	0.085	
	Right		0.078	0.007	0.009	0.010	0.085	0.087	0.088	
	Top		0.067	0.031	0.050	0.052	0.098	0.117	0.119	
	Bottom		0.005	0.002	0.001	0.001	0.007	0.006	0.006	
	Front	50%RB	0.092	0.019	0.030	0.033	0.111	0.122	0.125	
	Back		0.125	0.027	0.043	0.043	0.152	0.168	0.168	
	Left		0.069	0.005	0.003	0.001	0.074	0.072	0.070	
	Right		0.062	0.007	0.009	0.010	0.069	0.071	0.072	
	Top		0.051	0.031	0.050	0.052	0.082	0.101	0.103	
	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
7-n66	Front	1RB	0.347	0.019	0.030	0.033	0.366	0.377	0.380	
	Back		0.457	0.027	0.043	0.043	0.484	0.500	0.500	
	Left		0.272	0.005	0.003	0.001	0.277	0.275	0.273	
	Right		0.254	0.007	0.009	0.010	0.261	0.263	0.264	
	Top		0.235	0.031	0.050	0.052	0.266	0.285	0.287	
	Bottom		0.011	0.002	0.001	0.001	0.013	0.012	0.012	
	Front	50%RB	0.311	0.019	0.030	0.033	0.330	0.341	0.344	
	Back		0.421	0.027	0.043	0.043	0.448	0.464	0.464	
	Left		0.236	0.005	0.003	0.001	0.241	0.239	0.237	
	Right		0.218	0.007	0.009	0.010	0.225	0.227	0.228	
	Top		0.199	0.031	0.050	0.052	0.230	0.249	0.251	
	Bottom		0.009	0.002	0.001	0.001	0.011	0.010	0.010	
7-n77	Front	1RB	0.126	0.019	0.030	0.033	0.145	0.156	0.159	
	Back		0.175	0.027	0.043	0.043	0.202	0.218	0.218	
	Left		0.103	0.005	0.003	0.001	0.108	0.106	0.104	
	Right		0.093	0.007	0.009	0.010	0.100	0.102	0.103	
	Top		0.080	0.031	0.050	0.052	0.111	0.130	0.132	
	Bottom		0.007	0.002	0.001	0.001	0.009	0.008	0.008	
	Front	50%RB	0.112	0.019	0.030	0.033	0.131	0.142	0.145	
	Back		0.160	0.027	0.043	0.043	0.187	0.203	0.203	
	Left		0.089	0.005	0.003	0.001	0.094	0.092	0.090	
	Right		0.079	0.007	0.009	0.010	0.086	0.088	0.089	
	Top		0.066	0.031	0.050	0.052	0.097	0.116	0.118	
	Bottom		0.005	0.002	0.001	0.001	0.007	0.006	0.006	
7-n78	Front	1RB	0.126	0.019	0.030	0.033	0.145	0.156	0.159	
	Back		0.159	0.027	0.043	0.043	0.186	0.202	0.202	
	Left		0.095	0.005	0.003	0.001	0.100	0.098	0.096	
	Right		0.081	0.007	0.009	0.010	0.088	0.090	0.091	
	Top		0.072	0.031	0.050	0.052	0.103	0.122	0.124	
	Bottom		0.007	0.002	0.001	0.001	0.009	0.008	0.008	
	Front	50%RB	0.110	0.019	0.030	0.033	0.129	0.140	0.143	
	Back		0.143	0.027	0.043	0.043	0.170	0.186	0.186	
	Left		0.079	0.005	0.003	0.001	0.084	0.082	0.080	
	Right		0.064	0.007	0.009	0.010	0.071	0.073	0.074	
	Top		0.056	0.031	0.050	0.052	0.087	0.106	0.108	
	Bottom		0.005	0.002	0.001	0.001	0.007	0.006	0.006	
38-n78	Front	1RB	0.127	0.019	0.030	0.033	0.146	0.157	0.160	
	Back		0.175	0.027	0.043	0.043	0.202	0.218	0.218	
	Left		0.115	0.005	0.003	0.001	0.120	0.118	0.116	
	Right		0.099	0.007	0.009	0.010	0.106	0.108	0.109	
	Top		0.085	0.031	0.050	0.052	0.116	0.135	0.137	
	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
	Front	50%RB	0.118	0.019	0.030	0.033	0.137	0.148	0.151	
	Back		0.166	0.027	0.043	0.043	0.193	0.209	0.209	
	Left		0.106	0.005	0.003	0.001	0.111	0.109	0.107	
	Right		0.089	0.007	0.009	0.010	0.096	0.098	0.099	
	Top		0.076	0.031	0.050	0.052	0.107	0.126	0.128	
	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	

Band	Test Position	RB allocation	Scaled SAR				WWAN+ WIFI2.4G Σ SAR (W/kg)	WWAN+ WIFI5G Σ SAR (W/kg)	WWAN+ BT Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 4) 1g(W/kg)	BT SAR 1g(W/kg)				
41-n41	Front	1RB	0.047	0.019	0.030	0.033	0.066	0.077	0.080	1.6
	Back		0.070	0.027	0.043	0.043	0.097	0.113	0.113	
	Left		0.033	0.005	0.003	0.001	0.038	0.036	0.034	
	Right		0.026	0.007	0.009	0.010	0.033	0.035	0.036	
	Top		0.022	0.031	0.050	0.052	0.053	0.072	0.074	
	Bottom		0.009	0.002	0.001	0.001	0.011	0.010	0.010	
	Front	50%RB	0.040	0.019	0.030	0.033	0.059	0.070	0.073	
	Back		0.063	0.027	0.043	0.043	0.090	0.106	0.106	
	Left		0.026	0.005	0.003	0.001	0.031	0.029	0.027	
	Right		0.019	0.007	0.009	0.010	0.026	0.028	0.029	
	Top		0.015	0.031	0.050	0.052	0.046	0.065	0.067	
41-n77	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
	Front	1RB	0.047	0.019	0.030	0.033	0.066	0.077	0.080	
	Back		0.057	0.027	0.043	0.043	0.084	0.100	0.100	
	Left		0.035	0.005	0.003	0.001	0.040	0.038	0.036	
	Right		0.028	0.007	0.009	0.010	0.035	0.037	0.038	
	Top		0.022	0.031	0.050	0.052	0.053	0.072	0.074	
	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
	Front	50%RB	0.038	0.019	0.030	0.033	0.057	0.068	0.071	
	Back		0.048	0.027	0.043	0.043	0.075	0.091	0.091	
	Left		0.026	0.005	0.003	0.001	0.031	0.029	0.027	
	Right		0.019	0.007	0.009	0.010	0.026	0.028	0.029	
	Top		0.013	0.031	0.050	0.052	0.044	0.063	0.065	
41-n78	Bottom		0.004	0.002	0.001	0.001	0.006	0.005	0.005	
	Front	1RB	0.118	0.019	0.030	0.033	0.137	0.148	0.151	
	Back		0.150	0.027	0.043	0.043	0.177	0.193	0.193	
	Left		0.067	0.005	0.003	0.001	0.072	0.070	0.068	
	Right		0.055	0.007	0.009	0.010	0.062	0.064	0.065	
	Top		0.043	0.031	0.050	0.052	0.074	0.093	0.095	
	Bottom		0.005	0.002	0.001	0.001	0.007	0.006	0.006	
	Front	50%RB	0.110	0.019	0.030	0.033	0.129	0.140	0.143	
	Back		0.143	0.027	0.043	0.043	0.170	0.186	0.186	
	Left		0.060	0.005	0.003	0.001	0.065	0.063	0.061	
	Right		0.047	0.007	0.009	0.010	0.054	0.056	0.057	
	Top		0.036	0.031	0.050	0.052	0.067	0.086	0.088	
41-n78	Bottom		0.003	0.002	0.001	0.001	0.005	0.004	0.004	

13 Measurement uncertainty evaluation

13.1 Measurement uncertainty evaluation for SAR test

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

DASY8 Uncertainty Budget								
According to IEC/IEEE 62209-1528 (Frequency band: 300MHz-3GHz range)								
Symbol	Error Description	Uncert. value	Prob. Dist.	Div.	(ci) (1g)	(ci) (10g)	Std.Unc (1g)	Std.Unc (10g)
Measurement System Errors								
CF	Probe Calibration	±13.3%	N	2	1	1	±6.7%	±6.7%
CF _{drift}	Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
LIN	Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%
BBS	Broadband Signal	±2.8%	R	$\sqrt{3}$	1	1	±1.6%	±1.6%
ISO	Probe Isotropy	±7.6%	R	$\sqrt{3}$	1	1	±4.4%	±4.4%
DAE	Other Probe+Electronic	±0.8%	N	1	1	1	±0.8%	±0.8%
AMB	RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Δ_{sys}	Probe Positioning	±0.006 mm	N	1	0.14	0.14	±0.10%	±0.10%
DAT	Data Processing	±1.2%	N	1	1	1	±1.2%	±1.2%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.) DAK	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
LIQ(T σ)	Conductivity (temp.) BB	±3.3%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%
EPS	Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0	0	±0%	±0%
DIS	Distance DUT – TSL	±2.0%	N	1	2	2	±4.0%	±4.0%
D _{xyz}	Device Positioning	±1.0%	N	1	1	1	±1.0%	±1.0%
H	Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%
MOD	DUT Modulation ^m	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%
TAS	Time-average SAR	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
RF _{drift}	DUT drift	±2.5%	N	1	1	1	±2.5%	±2.5%
VAL	Val Antenna Unc. ^{val}	±0.0%	N	1	1	1	±0.0%	±0.0%
RF _{in}	Unc.Input Power ^{val}	±0.0%	N	1	1	1	±0.0%	±0.0%
Correction to the SAR results								
C(ϵ , σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
C(R)	SAR scaling ^p	±0.0%	R	$\sqrt{3}$	1	1	±0.0%	±0.0%
u(Δ SAR)	Combined Uncertainty						±11.3%	±11.2%
U	Expanded Uncertainty						±22.6%	±22.5%

DASY8 Uncertainty Budget

According to IEC/IEEE 62209-1528
(Frequency band: 3GHz–6GHz range)

Symbol	Error Description	Uncert. value	Prob. Dist.	Div.	(ci) (1g)	(ci) (10g)	Std.Unc (1g)	Std.Unc (10g)
Measurement System Errors								
CF	Probe Calibration	±13.1%	N	2	1	1	±6.55%	±6.55%
CF _{drift}	Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
LIN	Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%
BBS	Broadband Signal	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%
ISO	Probe Isotropy	±7.6%	R	$\sqrt{3}$	1	1	±4.4%	±4.4%
DAE	Other Probe+Electronic	±1.2%	N	1	1	1	±1.2%	±1.2%
AMB	RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Δ _{sys}	Probe Positioning	±0.005 mm	N	1	0.29	0.29	±0.2%	±0.20%
DAT	Data Processing	±2.3%	N	1	1	1	±2.3%	±2.3%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.)DAK	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
LIQ(T _σ)	Conductivity (temp.)BB	±3.4%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%
EPS	Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0.25	0.25	±2.0%	±2.0%
DIS	Distance DUT – TSL	±2.0%	N	1	2	2	±4.0%	±4.0%
D _{xyz}	Device Positioning	±1.0%	N	1	1	1	±1.0%	±1.0%
H	Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%
MOD	DUT Modulation ^m	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%
TAS	Time-average SAR	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
RF _{drift}	DUT drift	±2.5%	N	1	1	1	±2.5%	±2.5%
VAL	Val Antenna Unc. ^{val}	±0.0%	N	1	1	1	±0.0%	±0.0%
RF _{in}	Unc.Input Power ^{val}	±0.0%	N	1	1	1	±0.0%	±0.0%
Correction to the SAR results								
C(ε, σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
C(R)	SAR scaling ^p	±0.0%	R	$\sqrt{3}$	1	1	±0.0%	±0.0%
u(ΔSAR)	Combined Uncertainty						±11.6%	±11.6%
U	Expanded Uncertainty						±23.3%	±23.1%

13.2 Measurement uncertainty evaluation for system check

The following table includes the uncertainty table of the IEEE 1528. The values are determined by SPEAG. 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	6.7	N	1	1	1	6.70	6.70	∞
Axial Isotropy	4.7	R	$\sqrt{3}$	0.7	0.7	1.90	1.90	∞
Hemispherical Isotropy	9.6	R	$\sqrt{3}$	0.7	0.7	3.88	3.88	∞
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	0.3	N	1	1	1	0.30	0.30	∞
Response Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
RF ambient Conditions - Noise	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
RF ambient Conditions – Reflections	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Probe positioned Mechanical Tolerance	0.8	R	$\sqrt{3}$	1	1	0.46	0.46	∞
Probe positioning with respect to Phantom Shell	6.7	R	$\sqrt{3}$	1	1	3.87	3.87	∞
Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Dipole								
Deviation of experimental source from numerical source	5.5	N	1	1	1	3.18	3.18	∞
Input power and SAR drift measurement	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Dipole axis to liquid Distance	3.4	R	$\sqrt{3}$	1	1	1.96	1.96	∞
Phantom and Tissue Parameters								
Phantom Uncertainty (shape and thickness tolerances)	4.0	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	2.0	1.68	∞
Liquid conductivity (meas.)	2.5	N	1	0.78	0.71	1.13	1.03	5
Liquid conductivity (target.)	5	R	$\sqrt{3}$	0.78	0.71	3.90	3.55	5
Liquid Permittivity (meas.)	2.5	N	1	0.23	0.26	0.33	0.38	∞
Liquid Permittivity (target.)	5	R	$\sqrt{3}$	0.23	0.26	1.15	1.30	∞
Combined Standard Uncertainty		Rss				11.29	11.18	
Expanded Uncertainty (95% Confidence interval)		k				20.57	19.95	

14 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.

	Manufact urer	Device Type	Type(Model)	Serial number	calibration	
					Last Cal.	Due Date
☒	SPEAG	E-Field PROBE	EX3DV4	7951	2025-09-10	2026-09-09
☒	SPEAG	Validation Kits	D750V3	1151	2024-08-19	2027-08-18
☒	SPEAG	Validation Kits	D835V2	4d203	2024-08-20	2027-08-19
☒	SPEAG	Validation Kits	D1750V2	1143	2024-08-20	2027-08-19
☒	SPEAG	Validation Kits	D1900V2	5d211	2024-08-19	2027-08-18
☒	SPEAG	Validation Kits	D2450V2	1099	2026-03-05	2029-03-04
☒	SPEAG	Validation Sources	D2550V2	1015	2024-08-16	2027-08-15
☒	SPEAG	Validation Kits	D2600V2	1094	2026-03-04	2029-03-03
☒	SPEAG	Validation Sources	D3500V2	1164	2024-10-17	2027-10-16
☒	SPEAG	Validation Sources	D3700V2	1139	2024-10-17	2027-10-16
☒	SPEAG	Validation Sources	D3900V2	1106	2024-10-17	2027-10-16
☐	SPEAG	Validation Sources	D4600V2	1097	2024-10-17	2027-10-16
☐	SPEAG	Validation Sources	D4900V2	1093	2024-10-08	2027-10-07
☒	SPEAG	Validation Sources	D5GHzV2	1412	2024-10-17	2027-10-16
☐	SPEAG	Validation Sources	D6.5GHzV2	1116	2024-10-14	2027-10-13
☒	SPEAG	DAE	DAE4ip	1921	2025-09-04	2026-09-03
☒	R & S	Universal Radio Communication Tester	CMU 200	119733	2025-11-27	2026-11-26
☒	R & S	Universal Radio Communication Tester	CMW500	144459	2025-11-27	2026-11-26
☒	R & S	UXM5G Wireless Test Platform	E7515B	MY60192341	2025-11-27	2026-11-26
☒	HP	Network Analyser	8753D	3410A08889	2025-11-27	2026-11-26
☒	HP	Signal Generator	E4421B	GB39340770	2025-11-27	2026-11-26
☒	Keithley	Multimeter	Keithley 2000	4014539	2025-11-27	2026-11-26
☒	SATIMO	Amplifier	Power Amplifier	MODU-023-A-0004	2025-11-27	2026-11-26
☒	Agilent	Power Meter	E4418B	GB43312909	2025-11-27	2026-11-26
☒	Agilent	Power Meter Sensor	E4412A	MY41500046	2025-11-27	2026-11-26

Annex A: System Check

(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.)

Annex D: Photographs

(Please see SAR test setup photos.)