

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: CN6c

Test Engineer: Xiao Youxiang *Xiao Youxiang*

Report Number: WSCT-ANAB-R&E260200024A-SAR

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Modified History

REV.	Modification Description	Issued Date	Remark
REV.1.0	Initial Test Report Relesse	13 April 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: 2026-02-25
Start of test: 2026-02-26
End of test: 2026-04-13

1.3 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for CN6c is as below:

Band	Position Test Points	MAX Reported SAR _{1g} (W/kg)
GSM850	Head	0.130
GSM1900	Head	0.358
UMTS Band 2	Head	0.500
UMTS Band 4	Head	0.159
UMTS Band 5	Head	0.253
LTE Band 2	Head	0.487
LTE Band 4	Head	0.599
LTE Band 5	Head	0.283
LTE Band 7	Head	0.507
LTE Band 12	Head	0.486
LTE Band 17	Head	0.558
LTE Band 38	Head	0.527
LTE Band 41	Head	0.566
LTE Band 66	Head	0.511
BT (ANT1)	Head	0.316
BT (ANT2)	Head	0.081
Wi-Fi 2.4G	Head	0.325
WIFI5G Band1	Head	0.210
WIFI5G Band2	Head	0.267
WIFI5G Band3	Head	0.301
WIFI5G Band4	Head	0.319

Band	Position Test Points	MAX Reported SAR _{1g} (W/kg)
GSM850	Body & Hotspot 10mm	0.967
GSM1900	Body & Hotspot 10mm	0.842
UMTS Band 2	Body & Hotspot 10mm	0.107
UMTS Band 4	Body & Hotspot 10mm	0.027
UMTS Band 5	Body & Hotspot 10mm	0.463
LTE Band 2	Body & Hotspot 10mm	0.087
LTE Band 4	Body & Hotspot 10mm	0.101
LTE Band 5	Body & Hotspot 10mm	0.454
LTE Band 7	Body & Hotspot 10mm	0.063
LTE Band 12	Body & Hotspot 10mm	0.848
LTE Band 17	Body & Hotspot 10mm	0.901
LTE Band 38	Body & Hotspot 10mm	0.068
LTE Band 41	Body & Hotspot 10mm	0.092
LTE Band 66	Body & Hotspot 10mm	0.102
BT (ANT1)	Body & Hotspot 10mm	0.029
BT (ANT2)	Body & Hotspot 10mm	0.046
Wi-Fi 2.4G	Body & Hotspot 10mm	0.011
WIFI5G Band1	Body & Hotspot 10mm	0.013
WIFI5G Band2	Body & Hotspot 10mm	0.021
WIFI5G Band3	Body & Hotspot 10mm	0.018
WIFI5G Band4	Body & Hotspot 10mm	0.015
Maximum Max. SAR Level(s) Measured: (Limit: 1.6W/Kg):	LTE Band 4	0.599 W/kg1gHeadTissue
	Wi-Fi 2.4G	0.325 W/kg1gHeadTissue
	GSM850	0.967 W/kg1gBodyTissue
	WIFI5G Band2	0.021 W/kg1gBodyTissue
The Head highest simultaneous SAR :		0.924 W/kg1gHeadTissue
The Body highest simultaneous SAR :		0.988 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:	CN6c
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/ LTE Band 4/ LTE Band 5 LTE Band 7/LTE Band 12/ LTE Band 17 LTE Band 38/LTE Band 41/ LTE Band 66
Modulation:	GSM/GPRS: GMSK,EGPRS: 8PSK,WCDMA: QPSK HSDPA/HSUPA: QPSK /16QAM,LTE: QPSK/16QAM
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 Band17: 704-716MHz (TX), 734-746MHz (RX); LTE Band38: 2570-2620MHz(TX), 2570-2620MHz(RX); LTE Band41: 2535-2655 MHz(TX), 2535-2655 MHz(RX); LTE Band66:1710-1780 MHz(TX), 2110-2200 MHz(RX); BT:2402MHz~2480MHz 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: -4.18dbi PCS 1900/WCDMA B2/LTE B2: -3.09dbi WCDMA B4/LTE B4/B66: -5.40dbi LTE B7: -2.58dbi LTE B41/38: -2.58dbi LTE B12/B17: -5.09dbi
Radiated Power (EIRP/ERP) Limit	GSM 850/WCDMA B5/LTE B5: 7.00W(38.45dBm) PCS 1900/WCDMA B2/LTE B2: 2.00W(33.01dBm) WCDMA B4/LTE B4/ LTE B66: 1.00W(30.00dBm) LTE B7/LTE B38/LTE B41: 2.00W(33.01dBm) LTE B12/B17: 3.00W(34.77dBm)
Power Source:	Adapter1:U600TSA Input: 100-240V~50/60Hz 2.2A Output: 5.0V---3.0A 15.0W or 5.0-11.0V---5.5A 60.0W MAX Manufacturer: Shenzhen KunXing Technology Co., Ltd. Adapter2:U600TSA Input: 100-240V~50/60Hz 2.2A Output: 5.0V---3.0A 15.0W or 5.0-11.0V---5.5A 60.0W MAX Manufacturer: Jiangsu Chenyang Electron Co.,Ltd. Rechargeable Li-ion Polymer Battery :BL-68DX Nominal Voltage: 3.82V Rated Capacity:6840mAh/26.13Wh Typical Capacity:7000mAh/26.74Wh 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
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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)

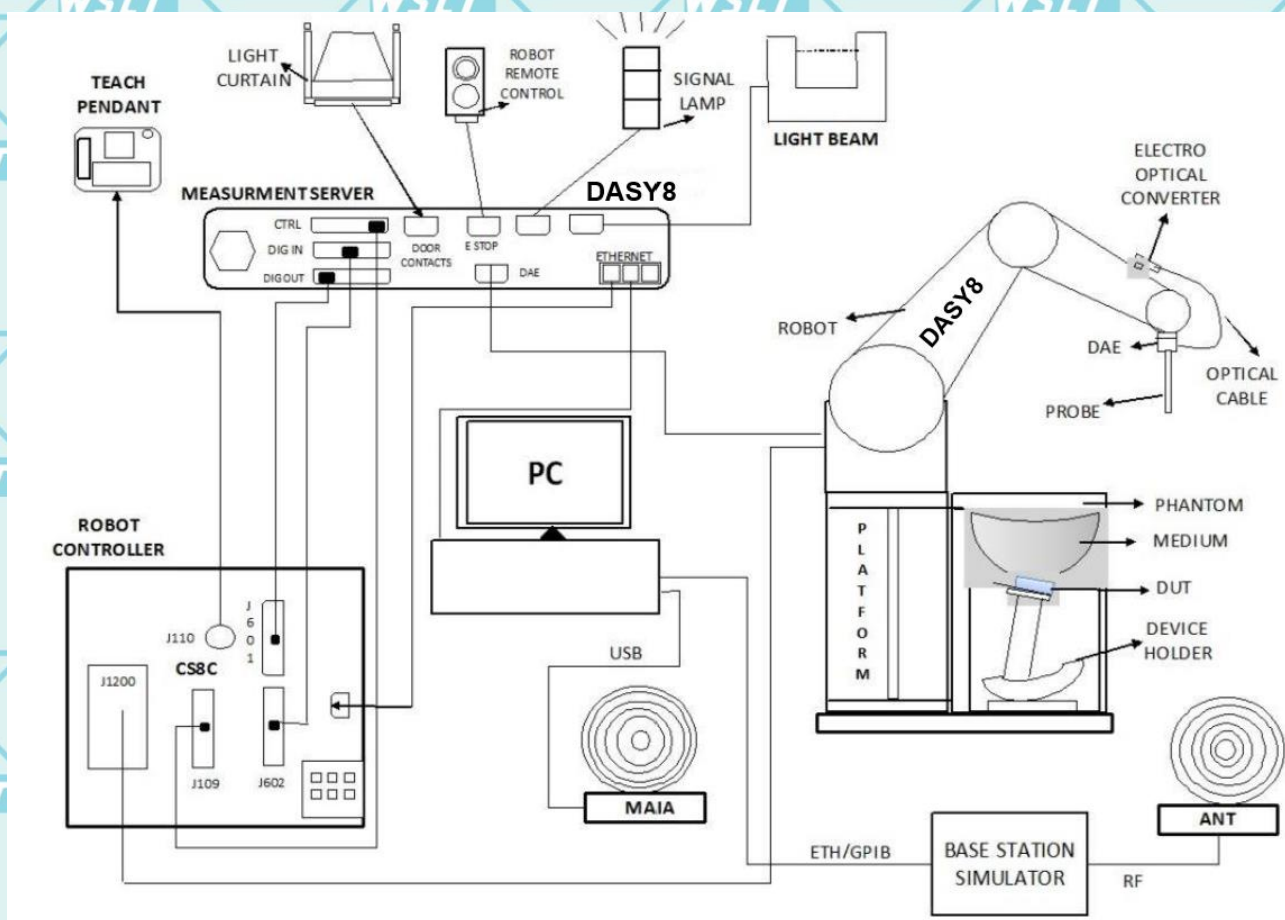
ρ = mass density of the tissue (kg/m³)

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: $10\mu\text{W/g} \rightarrow 100\text{ mW/g}$

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.

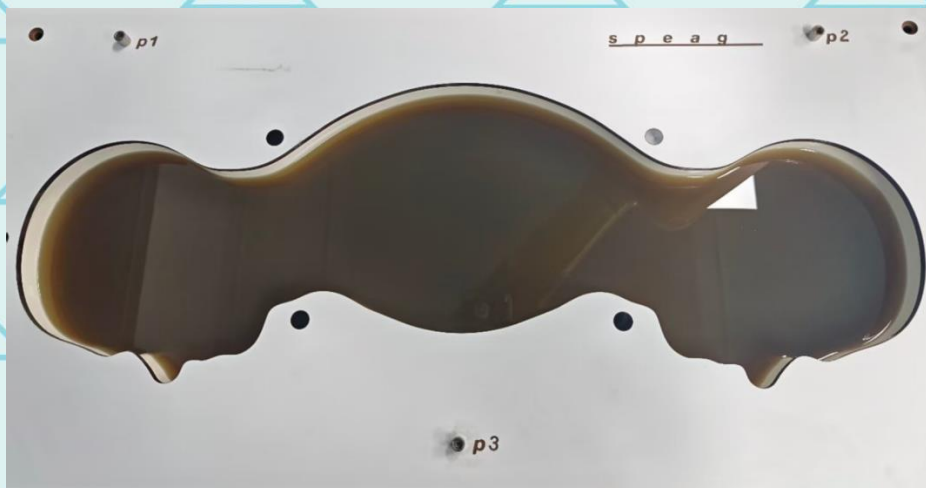
Performance:

- 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.

		≤ 3 GHz	>3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface		5 mm ± 1 mm	$\frac{1}{2}\delta\ln(2)$ mm ±0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location		30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx Area, Δy Area		≤2 GHz: ≤ 15 mm 2-3 GHz: ≤ 12 mm	3- 4 GHz: ≤ 12 mm 4- 6 GHz: ≤10 mm
Maximum zoom scan spatial resolution: Δx Zoom, Δy Zoom		≤ 2 GHz: ≤ 8 mm 2-3 GHz: ≤ 5 mm*	3- 4 GHz: ≤5 mm* 4- 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)	≤5 mm	3- 4 GHz: ≤4 mm 4- 5 GHz: ≤ 3 mm 5- 6 GHz: ≤ 2 mm
	graded grid Δz Zoom (1): between 1 st two points closest to phantom surface	≤4 mm	3-4 GHz: ≤ 3 mm 4-5 GHz: ≤ 2.5 mm 5-6 GHz: ≤ 2 mm
	Δz Zoom (n>1): between subsequent points	≤1.5· Δz Zoom (n-1) mm	
Minimum zoom scan volume	x, y,z	≥30 mm	3 -4 GHz: ≥ 28 mm 4- 5 GHz: ≥ 25 mm 5- 6 GHz: ≥ 22 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 ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

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:

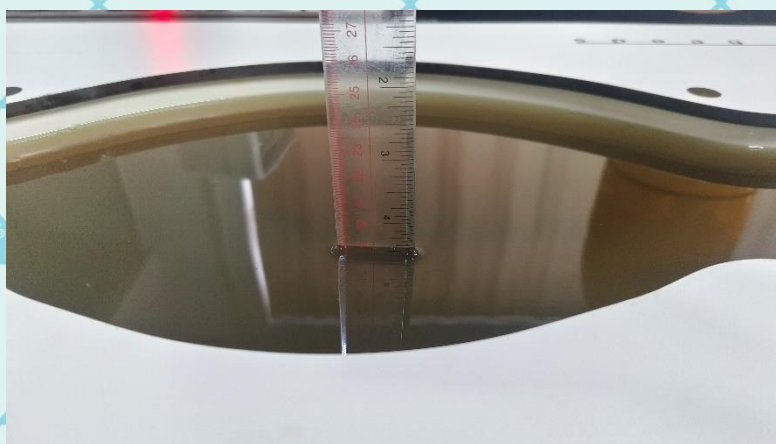
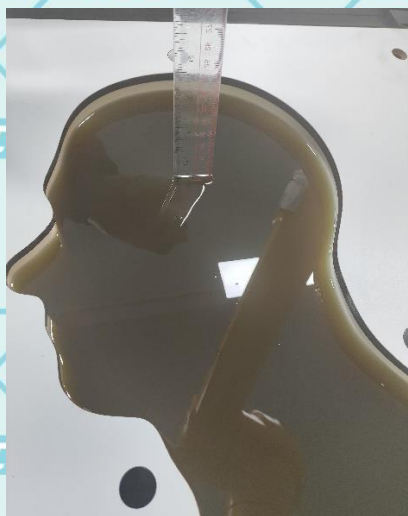
All antennas and radiating structures that may contribute to the measured SAR or influence the SAR distribution must be included in the area scan. The areas of the transmitter(s), antenna(s) and host device, when projected onto the phantom, must be within the area scan measurement region. The area scan 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	2026-03-23
835MHz Head	41.50 (39.425~43.575)	0.90 (0.86~0.95)	41.60	0.914	21.6°C	2026-03-25
1750MHz Head	40.10 (38.10~42.10)	1.37 (1.31~1.43)	41.90	1.34	21.6°C	2026-03-27
1900MHz Head	40.00 (38.00~42.00)	1.40 (1.33~1.47)	41.70	1.44	21.6°C	2026-03-30
2450MHz Head	39.20 (37.24~41.16)	1.80 (1.71~1.89)	41.00	1.82	21.6°C	2026-04-01
2550MHz Head	39.10 (37.15~41.05)	1.91 (1.82~2.01)	40.80	1.90	21.6°C	2026-04-03
2600MHz Head	39.00 (37.05~40.95)	1.96 (1.86~2.05)	40.70	1.94	21.6°C	2026-04-07
5200MHz Head	36.00 (34.20~37.80)	4.66 (4.43~4.89)	36.30	4.54	21.6°C	2026-04-08
5500MHz Head	35.60 (33.82~37.38)	4.96 (4.71~5.20)	35.80	4.88	21.6°C	2026-04-09
5800MHz Head	35.30 (33.54~37.06)	5.27 (5.01~5.53)	35.30	5.23	21.6°C	2026-04-10

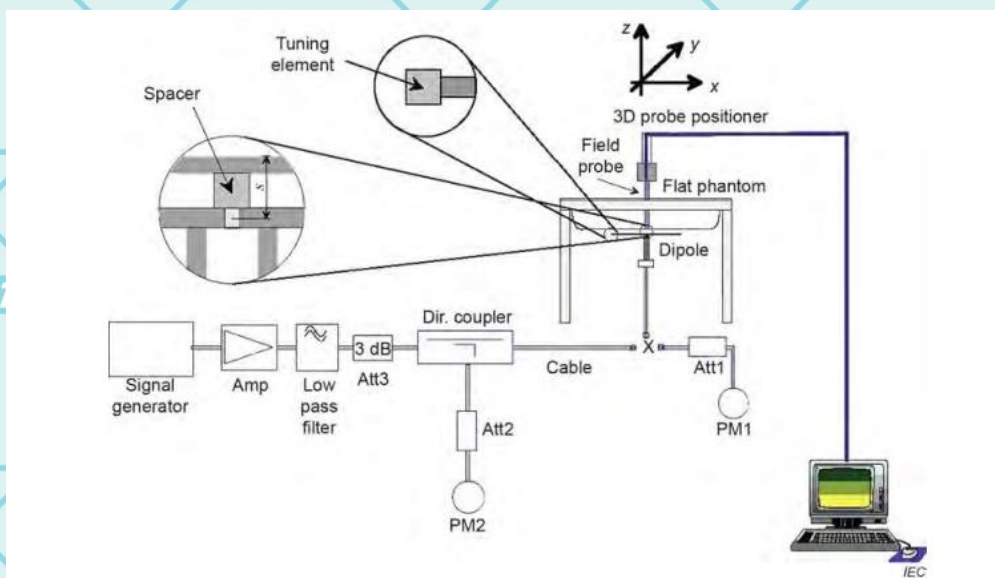
ϵ_r = Relative permittivity, σ = Conductivity

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	2026-03-23
D835V2 Body	9.68 (8.72~10.64)	6.44 (5.80~7.08)	9.94	6.55	21.6°C	2026-03-25
D1750V2 Body	36.40 (32.76~40.04)	19.60 (17.64~21.56)	36.20	19.50	21.6°C	2026-03-27
D1900V2 Body	39.70 (35.73~43.67)	21.00 (18.90~23.10)	40.40	21.10	21.6°C	2026-03-30
D2450V2 Body	52.70 (47.16~57.64)	24.00 (21.60~26.40)	53.60	25.20	21.6°C	2026-04-01
D2550V2 Body	54.10 (48.69~59.51)	24.70 (22.23~27.17)	55.80	25.60	21.6°C	2026-04-03
D2600V2 Body	55.90 (49.77~60.83)	24.60 (22.14~27.06)	55.90	25.60	21.6°C	2026-04-07
D5200V2 Body	76.00 (68.40~83.60)	22.00 (19.80~24.20)	71.70	20.70	21.6°C	2026-04-08
D5300V2 Body	80.60 (72.54~88.66)	23.30 (20.97~25.63)	80.80	23.10	21.6°C	2026-04-08
D5500V2 Body	85.60 (77.04~94.16)	24.50 (22.05~26.95)	79.00	22.50	21.6°C	2026-04-09
D5600V2 Body	83.30 (74.97~91.63)	24.10 (21.69~26.51)	78.70	22.40	21.6°C	2026-04-09
D5800V2 Body	79.00 (71.10~86.90)	22.70 (20.43~24.97)	77.60	22.00	21.6°C	2026-04-10

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

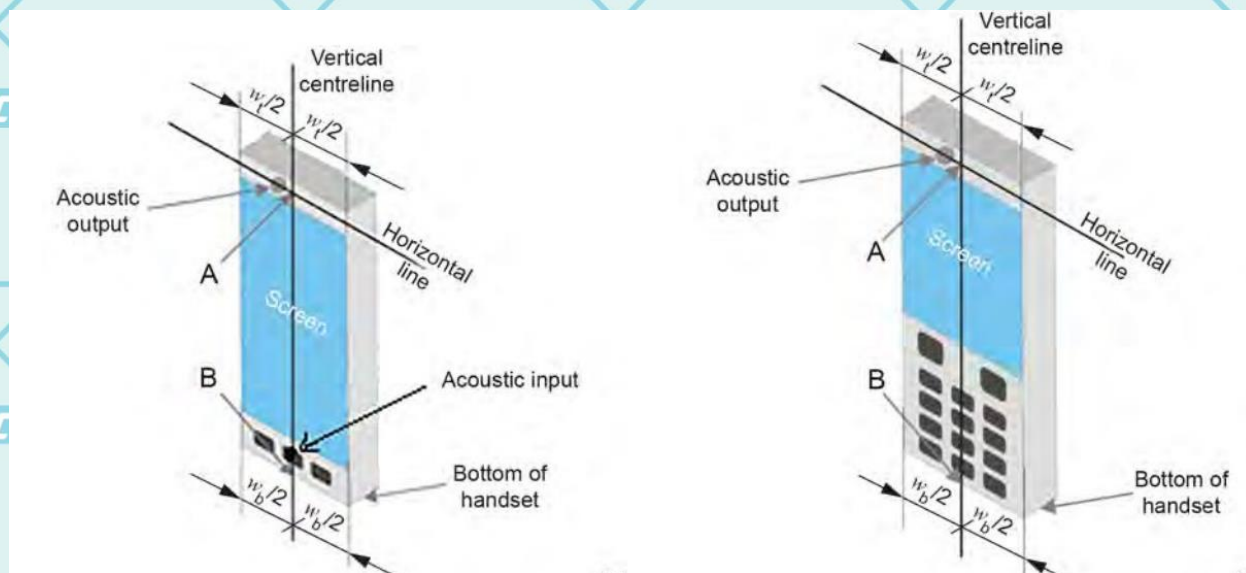
9 Test Position Configurations

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.

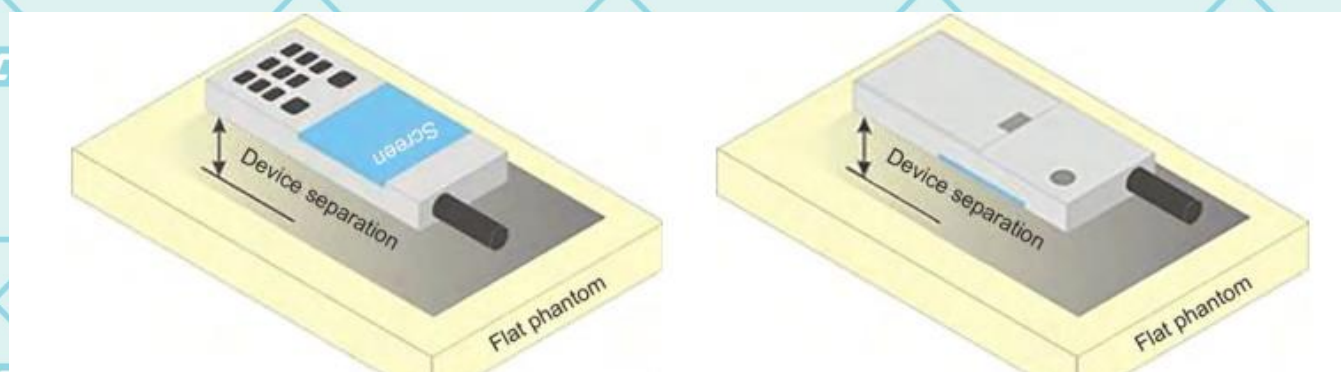


9.2 Body Exposure Condition

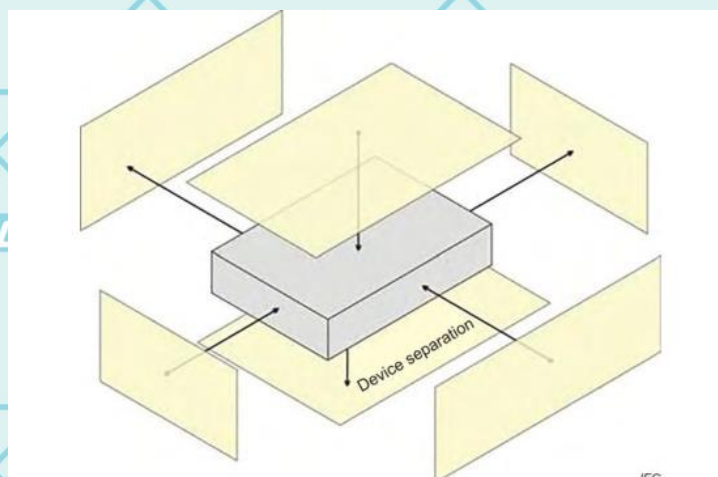
According to 447498 D04

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 $\leq 1/4$ 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, HAPRQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission condition, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4ms with a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. The β_c and β_d gain factors for DPCCH and DPDCH were set according to the values in the below table, β_{hs} for HS-DPCCH is set automatically to the correct value when $\Delta ACK, \Delta NACK, \Delta CQI = 8$. The variation of the β_c / β_d ratio causes a power reduction at sub-tests 2 - 4.

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

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

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

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

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

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

4)HSUPA

SAR for body exposure configurations is measured according to the “Body SAR Measurements” procedures of 3G device. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ 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 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)		32.50	32.14	31.95	31.72	-9.03	23.11	22.92	22.69
GPRS (GMSK)	1Tx slot	32.50	32.13	31.93	31.70	-9.03	23.10	22.90	22.67
	2Tx slots	31.50	31.38	31.13	30.85	-6.02	25.36	25.11	24.83
	3Tx slots	30.00	29.52	29.26	28.93	-4.26	25.26	25.00	24.67
	4Tx slots	28.50	28.31	28.03	27.67	-3.01	25.30	25.02	24.66
EGPRS (8PSK)	1Tx slot	30.50	30.06	29.87	29.89	-9.03	21.03	20.84	20.86
	2Tx slots	30.00	29.97	29.71	29.73	-6.02	23.95	23.69	23.71
	3Tx slots	29.50	29.44	29.48	29.49	-4.26	25.18	25.22	25.23
	4Tx slots	29.50	29.34	29.24	29.20	-3.01	26.33	26.23	26.19
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)		28.50	28.24	28.27	28.34	-9.03	19.21	19.24	19.31
GPRS (GMSK)	1Tx slot	28.50	28.12	28.15	28.22	-9.03	19.09	19.12	19.19
	2Tx slots	27.50	27.24	27.27	27.33	-6.02	21.22	21.25	21.31
	3Tx slots	25.50	25.37	25.42	25.47	-4.26	21.11	21.16	21.21
	4Tx slots	24.50	24.14	24.19	24.24	-3.01	21.13	21.18	21.23
EGPRS (8PSK)	1Tx slot	25.50	25.19	25.12	25.01	-9.03	16.16	16.09	15.98
	2Tx slots	25.00	24.86	24.68	24.54	-6.02	18.84	18.66	18.52
	3Tx slots	24.00	23.68	23.51	23.28	-4.26	19.42	19.25	19.02
	4Tx slots	23.00	22.75	22.48	22.17	-3.01	19.74	19.47	19.16

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		23.50	23.42	22.62	22.87
HSDPA	Subtest-1	24.00	23.50	21.89	20.81
	Subtest-2	23.00	20.40	22.72	21.09
	Subtest-3	23.00	20.08	19.38	22.95
	Subtest-4	22.00	21.68	19.94	19.93
HSUPA	Subtest-1	21.50	21.44	20.68	20.94
	Subtest-2	21.50	21.45	20.70	20.90
	Subtest-3	22.00	20.85	21.69	21.89
	Subtest-4	21.00	20.93	20.20	20.37
	Subtest-5	22.50	22.44	21.67	21.92
Mode		Maximum Tune-up(dBm)	WCDMA Band 4		
			Conducted Power (dBm)		
			CH1312	CH1413	CH1513
			1712.4	1732.6	1752.6
RMC 12.2K		23.50	23.47	23.45	23.01
HSDPA	Subtest-1	24.00	23.60	22.17	20.74
	Subtest-2	24.00	20.51	23.51	21.82
	Subtest-3	23.50	20.33	20.19	23.08
	Subtest-4	22.00	21.65	19.96	19.83
HSUPA	Subtest-1	21.50	21.50	21.50	21.06
	Subtest-2	21.50	21.50	21.45	21.06
	Subtest-3	22.50	22.48	22.48	22.06
	Subtest-4	21.50	21.04	21.02	20.55
	Subtest-5	23.00	22.58	22.51	22.07
Mode		Maximum Tune-up(dBm)	WCDMA Band 5		
			Conducted Power (dBm)		
			CH4132	CH4183	CH4233
			826.4	836.6	846.6
RMC 12.2K		24.00	23.63	23.33	23.22
HSDPA	Subtest-1	24.00	23.65	22.41	20.82
	Subtest-2	23.50	20.16	23.36	22.06
	Subtest-3	23.50	20.83	19.87	23.25
	Subtest-4	22.50	22.06	20.57	19.76
HSUPA	Subtest-1	22.00	21.64	21.37	21.22
	Subtest-2	22.00	21.64	21.33	20.00
	Subtest-3	23.00	22.63	22.34	22.24
	Subtest-4	21.50	21.14	20.92	20.73
	Subtest-5	23.00	22.60	22.33	22.24

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				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		18607	18900	19193
					1850.7MHz	1880.0MHz	1909.3MHz
1.4MHz	QPSK	1	0	22.50	22.26	21.94	22.08
			2	22.50	22.33	21.95	22.05
			5	22.50	22.30	21.91	22.04
		3	0	22.50	22.45	22.20	22.24
			2	22.50	22.41	22.16	22.17
			3	22.50	22.46	22.16	22.19
	16QAM	6	0	22.00	21.56	21.24	21.32
			0	22.00	21.62	21.42	21.10
			2	22.00	21.58	21.35	21.10
		3	5	22.00	21.60	21.40	21.07
			0	22.00	21.89	21.69	21.61
			2	22.00	21.85	21.70	21.56
6	3	22.00	21.87	21.72	21.63		
	0	21.00	20.94	20.69	20.79		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	18615	18900
1851.5MHz						1880.0MHz	1908.5MHz
3MHz	QPSK	1	0	22.50	22.22	21.96	22.08
			7	22.50	22.13	21.90	22.05
			14	22.50	22.17	21.90	22.11
		8	0	22.00	21.74	21.45	21.55
			4	22.00	21.72	21.45	21.53
			7	22.00	21.73	21.44	21.52
	16QAM	15	0	22.00	21.75	21.50	21.57
			0	22.00	21.88	21.47	21.19
			7	22.00	21.78	21.40	21.11
		8	14	22.00	21.80	21.41	21.09
			0	21.50	21.01	20.80	20.78
			4	21.50	21.01	20.80	20.78
15	7	21.00	20.99	20.73	20.79		
	0	21.50	21.06	20.82	20.91		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	18625	18900
1852.5MHz						1880.0MHz	1907.5MHz
5MHz	QPSK	1	0	22.50	22.49	22.20	22.22
			13	22.50	22.39	22.13	22.14
			24	22.50	22.43	22.19	22.14
		12	0	22.00	21.82	21.59	21.70
			6	22.00	21.80	21.61	21.65
			13	22.00	21.85	21.61	21.65
	16QAM	25	0	22.00	21.83	21.62	21.64
			0	22.50	22.15	21.81	21.83
			13	22.50	22.02	21.78	21.72
		12	24	22.50	22.10	21.75	21.70
			0	21.50	21.08	20.92	21.02
			6	21.50	21.09	20.87	20.96
13	21.50	21.11	20.86	20.96			
25	0	21.50	21.10	20.99	20.96		

LTE-FDD Band 2				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		18650	18900	19150	
					1855.0MHz	1880.0MHz	1905.0MHz	
10MHz	QPSK	1	0	23.00	22.55	22.31	22.45	
			25	22.50	22.39	22.19	22.38	
			49	22.50	22.41	22.22	22.41	
		25	0	22.00	21.81	21.66	21.74	
			13	22.00	21.85	21.64	21.71	
			25	22.00	21.87	21.65	21.66	
	16QAM	50	0	22.00	21.85	21.72	21.74	
			0	22.50	22.13	21.78	21.54	
			25	22.00	21.98	21.66	21.40	
		1	49	22.50	22.05	21.66	21.37	
			25	0	21.50	21.13	21.01	21.08
				13	21.50	21.16	20.98	21.03
25	21.50	21.18		20.97	20.99			
	50	0	21.50	21.16	21.07	21.06		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	18675	18900	19125
1857.5MHz						1880.0MHz	1902.5MHz	
15MHz	QPSK	1	0	23.00	22.57	22.40	22.40	
			38	22.50	22.37	22.22	22.34	
			74	22.50	22.38	22.30	22.32	
		36	0	22.00	21.79	21.58	21.68	
			18	22.00	21.72	21.54	21.63	
			39	22.00	21.73	21.58	21.67	
	16QAM	75	0	22.00	21.81	21.58	21.70	
			0	22.50	22.11	21.81	21.78	
			38	22.00	21.92	21.62	21.69	
		1	74	22.50	22.02	21.61	21.68	
			36	0	21.50	21.05	20.98	21.03
				18	21.50	21.03	20.81	20.99
39	21.50	21.04		20.88	20.98			
	75	0	21.50	21.04	20.89	20.98		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	18700	18900	19100
1860.0MHz						1880.0MHz	1900.0MHz	
20MHz	QPSK	1	0	23.50	23.02	22.64	22.83	
			50	22.50	22.44	22.18	22.47	
			99	22.50	22.36	22.18	22.42	
		50	0	22.00	21.79	21.78	21.77	
			25	22.00	21.88	21.72	21.80	
			50	22.00	21.89	21.72	21.76	
	16QAM	100	0	22.00	21.82	21.73	21.77	
			0	22.50	22.38	22.29	22.01	
			50	22.00	21.92	21.79	21.76	
		1	99	22.00	21.93	21.75	21.70	
			50	0	21.50	21.18	21.17	21.09
				25	21.50	21.25	21.13	21.13
50	21.50	21.27		21.09	21.06			
	100	0	21.50	21.11	21.06	21.10		

11.1.4 Conducted Power of LTE Band 4

LTE-FDD Band 4				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		19957	20175	20393
					1710.7MHz	1732.5MHz	1754.3MHz
1.4MHz	QPSK	1	0	23.50	23.11	23.04	22.87
			2	23.50	23.15	23.02	22.88
			5	23.50	23.13	23.01	22.89
		3	0	23.50	23.39	23.21	23.02
			2	23.50	23.34	23.13	23.02
			3	23.50	23.35	23.20	23.05
	16QAM	6	0	23.00	22.51	22.28	22.14
		1	0	23.00	22.51	22.08	22.25
			2	22.50	22.48	22.05	22.25
			3	5	23.00	22.53	22.09
		0		23.00	22.79	22.59	22.53
		2		23.00	22.77	22.53	22.50
6	3	23.00	22.78	22.62	22.51		
	0	22.00	21.85	21.75	21.59		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	19965	20175
1711.5MHz						1732.5MHz	1753.5MHz
3MHz	QPSK	1	0	23.50	23.18	22.97	22.83
			7	23.50	23.07	22.88	22.77
			14	23.50	23.10	22.94	22.88
		8	0	23.00	22.66	22.46	22.34
			4	23.00	22.66	22.48	22.33
			7	23.00	22.67	22.48	22.31
	16QAM	15	0	23.00	22.66	22.51	22.38
		1	0	23.00	22.75	22.42	22.04
			7	23.00	22.62	22.35	21.91
			14	23.00	22.67	22.39	21.99
		8	0	22.00	21.94	21.78	21.64
			4	22.00	21.93	21.76	21.62
Bandwidth	Modulation		RB allocation	RB offset	Maximum Tune- up(dBm)	19975	20175
		1712.5MHz				1732.5MHz	1752.5MHz
5MHz	QPSK	1	0	23.50	23.44	23.22	23.02
			13	23.50	23.31	23.15	22.95
			24	23.50	23.33	23.23	22.98
		12	0	23.00	22.72	22.59	22.50
			6	23.00	22.69	22.57	22.45
			13	23.00	22.73	22.58	22.48
	16QAM	25	0	23.00	22.72	22.64	22.52
		1	0	23.00	22.98	22.77	22.63
			13	23.00	22.89	22.68	22.57
			24	23.00	22.95	22.73	22.65
		12	0	22.00	21.97	21.85	21.86
			6	22.00	21.95	21.88	21.84
13	22.00		21.97	21.87	21.84		

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	24.00	23.51	23.32	23.18
			25	23.50	23.30	23.18	23.02
			49	23.50	23.37	23.18	23.07
		25	0	23.00	22.72	22.65	22.52
			13	23.00	22.73	22.63	22.50
			25	23.00	22.73	22.60	22.50
	16QAM	50	0	23.00	22.77	22.67	22.57
			0	23.00	23.00	22.69	22.84
			25	23.00	22.82	22.60	22.74
		1	49	23.00	22.93	22.62	22.76
			0	22.50	22.03	21.94	21.91
			13	22.50	22.01	21.96	0.00
15MHz	QPSK	25	25	22.50	22.03	21.95	0.00
			0	22.50	22.06	22.02	21.91
			0	22.50	22.06	22.02	21.91
	16QAM	50	0	22.50	22.06	22.02	21.91
			0	22.50	22.06	22.02	21.91
			0	22.50	22.06	22.02	21.91
20MHz	QPSK	1	0	23.50	23.44	23.32	23.28
			38	23.50	23.19	23.16	23.04
			74	23.50	23.24	23.15	23.11
		36	0	23.00	22.76	22.65	22.48
			18	23.00	22.69	22.57	22.41
			39	23.00	22.67	22.55	22.39
	16QAM	75	0	23.00	22.77	22.65	22.49
			0	23.00	22.97	22.71	22.62
			38	23.00	22.78	22.53	22.31
		36	74	23.00	22.84	22.57	22.45
			0	22.50	22.02	21.96	21.76
			18	22.00	21.93	21.86	21.64
20MHz	QPSK	36	39	22.00	21.96	21.91	21.67
			0	22.00	21.96	21.88	21.82
			0	22.00	21.96	21.88	21.82
	16QAM	75	0	22.00	21.96	21.88	21.82
			0	22.00	21.96	21.88	21.82
			0	22.00	21.96	21.88	21.82
20MHz	QPSK	1	0	24.00	23.81	23.81	23.69
			50	23.50	23.29	23.32	23.17
			99	23.50	23.24	23.21	23.07
		50	0	23.00	22.78	22.75	22.69
			25	23.00	22.75	22.72	22.63
			50	23.00	22.75	22.65	22.59
	16QAM	100	0	23.00	22.74	22.67	22.66
			0	23.50	23.21	23.04	23.19
			50	23.00	22.77	22.66	22.73
		50	99	23.00	22.76	22.59	22.69
			0	22.50	22.10	22.04	22.11
			25	22.50	22.07	22.02	22.05
20MHz	QPSK	100	50	22.50	22.09	22.01	21.99
			0	22.50	22.02	21.99	21.98
			0	22.50	22.02	21.99	21.98
	16QAM	100	0	22.50	22.02	21.99	21.98
			0	22.50	22.02	21.99	21.98
			0	22.50	22.02	21.99	21.98

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	22.00	21.51	21.49	20.90		
			2	22.00	21.55	21.52	20.93		
			5	22.00	21.52	21.46	20.87		
		3	0	22.00	21.65	21.56	21.08		
			2	22.00	21.64	21.54	21.06		
			3	22.00	21.67	21.42	21.07		
	16QAM	6	0	21.00	20.79	20.52	20.21		
			1	0	21.00	20.92	20.64	20.09	
				2	21.00	20.91	20.59	20.07	
		5		0	21.00	20.94	20.62	20.07	
			3	0	21.50	21.16	20.92	20.55	
				2	21.50	21.16	20.88	20.53	
3	21.50	21.15		20.95	20.57				
6	0	20.50	20.28	19.93	19.70				
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20415	20525	20635		
					825.5MHz	836.5MHz	847.5MHz		
3MHz	QPSK	1	0	21.50	21.05	21.20	20.92		
			7	21.50	21.01	21.13	20.88		
			14	21.50	21.09	21.14	20.93		
		8	0	21.00	20.59	20.69	20.45		
			4	21.00	20.60	20.65	20.44		
			7	21.00	20.64	20.67	20.36		
		15	0	21.00	20.69	20.75	20.46		
			16QAM	0	0	21.00	20.83	20.69	20.17
					1	7	21.00	20.75	20.57
	14	21.00				20.85	20.66	20.08	
	0	0		20.50		19.97	20.04	19.72	
		8		4	20.50	19.96	20.02	19.71	
				7	20.00	19.97	19.95	19.69	
	15			0	20.50	20.04	20.01	19.89	

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	21.50	21.30	21.42	21.15	
			13	21.50	21.28	21.36	21.07	
			24	21.50	21.43	21.37	21.07	
		12	0	21.00	20.74	20.99	20.89	
			6	21.00	20.73	20.67	20.65	
			13	21.00	20.86	20.88	20.55	
	16QAM	25	0	21.00	20.86	20.89	20.61	
			1	0	21.50	21.21	21.07	20.88
				13	21.50	21.16	20.94	20.72
		12		24	21.50	21.30	21.01	20.74
			0	20.50	20.07	20.13	19.96	
			6	20.50	20.09	20.08	19.95	
10MHz	QPSK	1	13	20.50	20.20	20.10	19.89	
			0	20.50	20.15	20.23	19.95	
			25	20.50	20.15	20.23	19.95	
		25	0	22.00	21.39	21.51	21.78	
			25	22.00	21.39	21.39	21.59	
			49	22.00	21.50	21.39	21.53	
	16QAM	50	0	21.50	20.78	20.92	21.13	
			13	21.50	21.06	21.01	21.06	
			25	21.50	20.94	21.10	20.88	
		1	0	21.50	20.90	21.20	20.90	
			0	21.50	21.12	20.97	21.15	
			25	21.50	21.13	20.88	21.03	
16QAM	25	49	21.50	21.25	20.89	20.91		
		0	21.00	20.15	20.25	20.53		
		13	20.50	20.21	20.23	20.22		
	50	25	20.50	20.24	20.21	19.92		
		0	20.50	20.20	20.31	20.18		
		0	20.50	20.20	20.31	20.18		

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	20.50	19.85	20.01	20.00
			13	20.00	19.73	19.96	19.90
			24	20.00	19.77	20.00	19.97
		12	0	19.50	19.25	19.41	19.42
			6	19.50	19.26	19.41	19.38
			13	19.50	19.23	19.40	19.37
	16QAM	25	0	19.50	19.27	19.45	19.40
			10	20.00	19.50	19.81	19.64
			13	20.00	19.30	19.73	19.43
		12	24	20.00	19.48	19.86	19.52
			0	19.00	18.63	18.73	18.70
			6	19.00	18.61	18.71	18.64
10MHz	QPSK	1	13	19.00	18.58	18.74	18.61
			25	19.00	18.58	18.74	18.79
			25	0	20.00	20.800	21100
		2505.0MHz		2535.0MHz	2565.0MHz		
		50		0	20.50	19.94	20.11
			25	20.50	19.84	20.05	20.08
	16QAM		25	49	20.50	19.86	20.14
		0		20.00	19.35	19.51	19.54
		13		19.50	19.28	19.45	19.44
		1	25	20.00	19.31	19.52	19.41
			0	20.00	19.35	19.52	19.54
			0	20.00	19.67	19.55	19.33
16QAM	25	25	20.00	19.56	19.45	19.18	
		49	20.00	19.61	19.58	19.14	
		0	19.00	18.70	18.81	18.88	
	50	13	19.00	18.65	18.78	18.78	
		25	19.00	18.68	18.83	18.72	
		0	19.00	18.68	18.86	18.81	

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20825	21100	21375
					2057.5MHz	2535.0MHz	2562.5MHz
15MHz	QPSK	1	0	20.50	19.94	20.05	20.18
			38	20.00	19.78	19.99	20.00
			74	20.50	19.90	20.12	20.02
		36	0	19.50	19.16	19.36	19.39
			18	19.50	19.10	19.35	19.33
			39	19.50	19.17	19.38	19.31
	75	0	19.50	19.19	19.39	19.38	
	16QAM	1	0	20.00	19.66	19.53	19.53
			38	19.50	19.46	19.37	19.33
			74	20.00	19.62	19.58	19.35
		36	0	19.00	18.51	18.71	18.69
			18	19.00	18.43	18.68	18.59
39			19.00	18.53	18.75	18.57	
75	0	19.00	18.47	18.68	18.71		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	21350	21100	21350
					2560.0MHz	2535.0MHz	2560.0MHz
20MHz	QPSK	1	0	20.50	19.84	20.06	20.14
			50	20.50	19.83	20.19	20.11
			99	20.50	19.90	20.17	19.97
		50	0	20.00	19.36	19.50	19.63
			25	20.00	19.34	19.55	19.54
			50	20.00	19.38	19.53	19.40
	100	0	19.50	19.35	19.48	19.50	
	16QAM	1	0	20.00	19.53	19.50	19.68
			50	20.00	19.46	19.59	19.60
			99	20.00	19.57	19.65	19.50
		50	0	19.00	18.74	18.79	18.99
			25	19.00	18.72	18.87	18.93
			50	19.00	18.80	18.84	18.77
		100	0	19.00	18.68	18.80	18.84

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 699.7MHz	23095 707.5MHz	23173 715.5MHz
1.4MHz	QPSK	1	0	23.00	22.76	22.33	22.16
			2	23.00	22.78	22.37	22.18
			5	23.00	22.74	22.32	22.16
		3	0	23.50	23.02	22.52	22.29
			2	23.00	22.84	22.49	22.27
			3	23.00	22.62	22.50	22.29
		6	0	22.00	21.69	21.58	21.42
	16QAM	1	0	22.00	21.90	21.46	21.52
			2	22.00	21.82	21.49	21.46
			5	22.00	21.88	21.46	21.47
		3	0	22.50	22.15	21.94	21.80
			2	22.50	22.13	21.90	21.73
			3	22.50	22.19	21.99	21.72
3MHz	QPSK	1	0	22.50	22.43	22.34	22.11
			7	22.50	22.43	22.23	22.10
			14	22.50	22.41	22.22	22.17
		8	0	22.00	21.96	21.82	21.64
			4	22.00	21.97	21.83	21.61
			7	22.00	21.96	21.77	21.55
		15	0	22.50	22.01	21.84	21.63
	16QAM	1	0	22.50	22.19	21.84	21.32
			7	22.50	22.08	21.71	21.15
			14	22.50	22.12	21.77	21.18
		8	0	21.50	21.29	21.16	20.90
			4	21.50	21.26	21.14	20.86
			7	21.50	21.30	21.08	20.88
		15	0	21.50	21.35	21.12	21.03

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23035	23095	23155
					701.5MHz	707.5MHz	713.5MHz
5MHz	QPSK	1	0	23.00	22.66	22.59	22.38
			13	23.00	22.60	22.45	22.23
			24	23.00	22.66	22.46	22.25
		12	0	22.50	22.07	21.96	21.79
			6	22.50	22.10	21.92	21.72
			13	22.50	22.04	21.88	21.69
	16QAM	25	0	22.50	22.09	21.95	21.72
			0	23.00	22.51	22.22	22.05
			13	22.50	22.46	22.11	21.98
		1	24	22.50	22.43	22.04	21.80
			0	21.50	21.38	21.22	21.15
			6	21.50	21.39	21.21	21.09
		12	13	21.50	21.37	21.18	21.01
			0	21.50	21.39	21.33	21.02
			25	21.50	21.39	21.33	21.02
			0	22.50	23095	23130	
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	704.0MHz	707.5MHz	711.0MHz
10MHz	QPSK	1	0	23.50	23.08	23.12	23.00
			25	23.00	22.62	22.78	22.79
			49	23.00	22.54	22.53	22.73
		25	0	22.50	22.10	21.99	22.33
			13	22.50	22.06	22.01	21.95
			25	22.50	22.07	21.88	21.77
	16QAM	50	0	22.50	22.11	21.97	21.92
			0	23.00	22.76	22.22	22.45
		1	25	22.50	22.30	21.68	21.86
			49	22.50	22.26	21.63	21.78
		25	0	21.50	21.48	21.31	21.33
			13	21.50	21.40	21.30	21.20
			25	21.50	21.39	21.21	21.11
		50	0	21.50	21.43	21.30	21.27

11.1.8 Conducted Power of LTE Band 17

LTE-FDD Band 17				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23755 706.5MHz	23790 710.0MHz	23825 713.5MHz
5MHz	QPSK	1	0	23.00	22.63	22.53	22.38
			13	23.00	22.51	22.40	22.23
			24	22.50	22.48	22.36	22.22
		12	0	22.00	21.99	21.90	21.80
			6	22.00	21.99	21.87	21.75
			13	22.00	21.97	21.80	21.68
	16QAM	25	0	22.00	21.97	21.89	21.75
			0	22.50	22.43	22.10	22.02
			13	22.50	22.26	21.97	21.86
		1	24	22.50	22.31	21.96	21.79
			0	21.50	21.29	21.20	21.15
			6	21.50	21.27	21.13	21.10
10MHz	QPSK	12	13	21.50	21.27	21.09	21.02
			0	21.50	21.29	21.26	21.06
			25	21.50	21.29	21.26	21.06
		25	0	23.00	22.66	22.66	22.65
			25	22.50	22.46	22.46	22.48
			49	22.50	22.39	22.35	22.46
		50	0	22.00	21.96	21.97	21.95
			13	22.00	21.95	21.89	21.87
			25	22.00	21.84	21.80	21.74
	16QAM	50	0	22.00	21.94	21.90	21.91
			0	22.50	22.36	22.09	21.80
			25	22.50	22.14	21.90	21.59
		1	49	22.50	22.08	21.80	21.46
			0	21.50	21.35	21.31	21.29
			13	21.50	21.28	21.22	21.20
		25	25	21.50	21.21	21.14	21.07
			0	21.50	21.26	21.30	21.21
			50	21.50	21.26	21.30	21.21

11.1.9 Conducted Power of LTE Band 38

LTE-TDD Band 38				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		37775	38000	38225	
					2572.5MHz	2595.0MHz	2617.5MHz	
5MHz	QPSK	1	0	20.50	19.85	19.92	20.08	
			13	20.00	19.84	19.73	19.95	
			24	20.50	19.84	19.90	20.11	
		12	0	19.50	19.21	19.33	19.49	
			6	19.50	19.17	19.35	19.50	
			13	19.50	19.22	19.39	19.48	
	16QAM	25	0	19.50	19.29	19.35	19.46	
			1	0	20.00	19.45	19.57	19.99
				13	20.00	19.45	19.39	19.90
		12		24	20.50	19.44	19.58	20.03
			12	0	19.00	18.50	18.69	18.79
				6	19.00	18.47	18.69	18.79
13	19.00	18.51		18.70	18.82			
25	0	19.00	18.65	18.62	18.74			
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	37800	38000	38200	
					2575.0MHz	2595.0MHz	2615.0MHz	
10MHz	QPSK	1	0	20.50	19.90	20.01	20.13	
			25	20.50	19.84	19.95	20.05	
			49	20.50	19.93	20.07	20.18	
		25	0	20.00	19.32	19.38	19.52	
			13	19.50	19.32	19.40	19.50	
			25	20.00	19.34	19.44	19.53	
	16QAM	50	0	20.00	19.37	19.45	19.54	
			1	0	20.00	19.68	19.45	19.37
				25	20.00	19.60	19.37	19.29
		25		49	20.00	19.74	19.51	19.43
			0	19.00	18.66	18.74	18.87	
			13	19.00	18.66	18.73	18.83	
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	18.72	18.81	18.85	
					25	19.00	18.72	18.81
		50	0	19.00	18.74	18.80	18.84	

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37825	38000	38175
					2577.5MHz	2595.0MHz	2612.5MHz
15MHz	QPSK	1	0	20.50	19.90	19.99	20.15
			38	20.50	19.93	19.81	20.13
			74	20.50	19.92	20.04	20.18
		36	0	19.50	19.15	19.23	19.30
			18	19.50	19.15	19.21	19.30
			39	19.50	19.20	19.31	19.37
	16QAM	75	0	19.50	19.18	19.28	19.37
			0	20.00	19.68	19.43	19.59
			38	20.00	19.67	19.25	19.61
		36	74	20.00	19.71	19.49	19.61
			0	19.00	18.51	18.63	18.60
			18	19.00	18.49	18.58	18.57
20MHz	QPSK	39	39	19.00	18.56	18.72	18.65
			0	19.00	18.50	18.54	18.67
		75	0	19.00	18.50	18.54	18.67
			0	20.50	19.84	19.94	20.03
		50	50	20.50	19.88	19.97	20.04
			99	20.50	19.94	20.01	20.10
	16QAM	50	0	19.50	19.35	19.37	19.44
			25	20.00	19.37	19.46	19.52
			50	20.00	19.42	19.55	19.50
		100	0	19.50	19.34	19.44	19.45
			0	19.50	19.43	19.44	19.49
			50	19.50	19.42	19.43	19.49
25MHz	QPSK	99	99	20.00	19.55	19.54	19.59
			0	19.00	18.71	18.68	18.81
			25	19.00	18.75	18.76	18.89
	16QAM	50	50	19.00	18.81	18.85	18.90
			0	19.00	18.69	18.76	18.75
			0	19.00	18.69	18.76	18.75

11.1.10 Conducted Power of LTE Band 41

LTE-TDD Band 41					Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	40065	40265	40640	41015	41215
					2537.5MHz	2557.5MHz	2595.0MHz	2632.5 MHz	2652.5MHz
5MHz	QPSK	1	0	20.00	19.83	19.39	19.94	19.45	19.96
			13	20.00	19.63	19.21	19.79	19.36	19.93
			24	20.00	19.78	19.38	19.97	19.43	19.89
		12	0	19.50	19.18	18.77	19.36	18.84	19.32
			6	19.50	19.18	18.76	19.33	18.83	19.32
			13	19.50	19.20	18.78	19.35	18.84	19.32
	16QAM	25	0	19.50	19.19	18.78	19.36	18.90	19.43
			0	20.00	19.75	19.16	19.57	19.10	19.63
			13	20.00	19.56	18.97	19.38	18.98	19.58
		1	24	20.00	19.73	19.15	19.56	19.06	19.55
			0	19.00	18.50	18.07	18.63	18.18	18.72
			6	19.00	18.50	18.07	18.63	18.15	18.67
		12	13	19.00	18.52	18.08	18.64	18.16	18.67
			0	19.00	18.50	18.10	18.69	18.22	18.74
		25	0	19.00	18.50	18.10	18.69	18.22	18.74
			0	19.00	18.50	18.10	18.69	18.22	18.74
			0	19.00	18.50	18.10	18.69	18.22	18.74
10MHz	QPSK	1	0	20.50	19.82	19.43	20.04	19.59	20.13
			25	20.00	19.73	19.35	19.97	19.49	20.00
			49	20.50	19.80	19.44	20.07	19.54	20.00
		25	0	19.50	19.19	18.79	19.39	18.94	19.48
			13	19.50	19.16	18.77	19.37	18.88	19.39
			25	19.50	19.22	18.84	19.46	18.93	19.40
	16QAM	50	0	19.50	19.26	18.86	19.45	18.97	19.48
			0	20.00	19.63	19.05	19.46	18.89	19.32
			25	19.50	19.47	18.93	19.38	18.78	19.18
		1	49	20.00	19.62	19.06	19.49	18.87	19.25
			0	19.00	18.58	18.17	18.75	18.30	18.84
			13	19.00	18.53	18.12	18.71	18.22	18.73
		25	25	19.00	18.60	18.20	18.80	18.26	18.72
			0	19.00	18.61	18.21	18.81	18.32	18.83
			0	19.00	18.61	18.21	18.81	18.32	18.83
		50	0	19.00	18.61	18.21	18.81	18.32	18.83
			0	19.00	18.61	18.21	18.81	18.32	18.83
			0	19.00	18.61	18.21	18.81	18.32	18.83

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	40115	40315	40640	40965	41165
					2542.5MHz	2562.5MHz	2595.0MHz	2627.5MHz	2647.5MHz
15MHz	QPSK	1	0	20.50	19.84	19.44	20.04	19.59	20.13
			38	20.00	19.71	19.30	19.89	19.42	19.94
			74	20.50	19.78	19.45	20.11	19.54	19.97
		36	0	19.50	19.02	18.63	19.24	18.84	19.43
			18	19.50	19.02	18.64	19.26	18.80	19.34
			39	19.50	19.02	18.68	19.34	18.82	19.30
		75	0	19.50	19.06	18.69	19.32	18.86	19.40
			0	20.00	19.29	18.91	19.52	19.23	19.93
			38	20.00	19.17	18.72	19.27	18.98	19.69
	16QAM	1	74	20.00	19.21	18.87	19.53	19.13	19.73
			0	19.00	18.42	17.98	18.53	18.15	18.76
			18	19.00	18.40	17.95	18.49	18.07	18.64
		36	39	19.00	18.42	18.01	18.60	18.11	18.62
			0	19.00	18.36	17.99	18.61	18.13	18.65
			75	0	19.00	18.36	17.99	18.61	18.65
		75	0	19.00	18.36	17.99	18.61	18.13	18.65
			0	19.00	18.36	17.99	18.61	18.13	18.65
			0	19.00	18.36	17.99	18.61	18.13	18.65
20MHz	QPSK	1	0	20.50	19.75	19.32	19.88	19.51	20.14
			50	20.50	19.76	19.34	19.91	19.51	20.10
			99	20.00	19.80	19.39	19.97	19.48	19.98
		50	0	20.00	19.17	18.78	19.38	19.01	19.63
			25	20.00	19.24	18.84	19.44	19.00	19.55
			50	20.00	19.19	18.86	19.53	18.99	19.44
		100	0	20.00	19.16	18.79	19.41	18.98	19.54
			0	20.00	19.26	18.88	19.50	19.09	19.68
			50	20.00	19.20	18.84	19.48	19.01	19.54
		1	99	20.00	19.21	18.90	19.59	19.01	19.42
			0	19.00	18.55	18.15	18.75	18.35	18.94
			25	19.00	18.60	18.22	18.84	18.35	18.85
	16QAM	50	50	19.00	18.60	18.28	18.95	18.37	18.79
			0	19.00	18.48	18.13	18.78	18.31	18.83
			0	19.00	18.48	18.13	18.78	18.31	18.83
		100	0	19.00	18.48	18.13	18.78	18.31	18.83
			0	19.00	18.48	18.13	18.78	18.31	18.83
			0	19.00	18.48	18.13	18.78	18.31	18.83
		1	0	19.00	18.48	18.13	18.78	18.31	18.83
			0	19.00	18.48	18.13	18.78	18.31	18.83
			0	19.00	18.48	18.13	18.78	18.31	18.83
		50	0	19.00	18.48	18.13	18.78	18.31	18.83
			0	19.00	18.48	18.13	18.78	18.31	18.83
			0	19.00	18.48	18.13	18.78	18.31	18.83

11.1.12 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	1755.0MHz	1779.3MHz
1.4MHz	QPSK	1	0	23.50	23.31	23.04	22.95
			2	23.50	23.35	23.04	22.97
			5	23.50	23.34	23.04	22.93
		3	0	23.50	23.44	23.17	23.19
			2	23.50	23.41	23.17	23.16
			3	23.50	23.44	23.20	23.18
	16QAM	6	0	23.00	22.64	22.33	22.27
			0	22.50	22.28	22.40	22.39
			2	22.50	22.28	22.38	22.38
		3	5	22.50	22.29	22.40	22.39
			0	23.00	22.78	22.64	22.64
			2	23.00	22.72	22.62	22.65
3MHz	QPSK	1	3	23.00	22.78	22.64	22.66
			0	22.00	21.95	21.77	21.71
		8	0	23.50	23.29	23.00	23.00
			7	23.50	23.34	22.85	23.09
			14	23.50	23.19	22.94	23.10
		15	0	23.00	22.76	22.49	22.49
			4	23.00	22.78	22.50	22.49
			7	23.00	22.78	22.48	22.46
	16QAM	1	0	23.00	22.71	22.52	22.53
			0	23.00	22.82	22.47	22.14
			7	23.00	22.72	22.32	22.02
		8	14	23.00	22.76	22.43	22.07
			0	22.50	22.02	21.82	21.77
			4	22.00	21.99	21.80	21.77
		15	7	22.00	21.97	21.76	21.77
			0	22.50	22.01	21.82	21.86
5MHz	QPSK	1	0	24.00	23.55	23.28	23.16
			13	23.50	23.37	23.15	23.08
			24	23.50	23.43	23.18	23.09
		12	0	23.00	22.80	22.61	22.62
			6	23.00	22.82	22.61	22.58
			13	23.00	22.82	22.60	22.57
		25	0	23.00	22.80	22.62	22.59
			0	23.50	23.07	22.81	22.77
		1	13	23.50	23.02	22.71	22.64
			24	23.50	23.06	22.78	22.70
	16QAM	12	0	22.50	22.06	21.89	21.95
			6	22.50	22.03	21.86	21.92
			13	22.50	22.06	21.88	21.90
		25	0	22.50	22.06	21.96	21.89

LTE-FDD Band 66				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		132022	132322	132622	
					1715.0MHz	1755.0MHz	1775.0MHz	
10MHz	QPSK	1	0	24.00	23.60	23.34	23.35	
			25	23.50	23.40	23.20	23.26	
			49	23.50	23.47	23.22	23.35	
		25	0	23.00	22.80	22.67	22.62	
			13	23.00	22.80	22.63	22.60	
			25	23.00	22.84	22.62	22.61	
	16QAM	50	0	23.00	22.83	22.68	22.66	
			0	23.50	23.09	22.75	22.43	
			25	23.00	22.92	22.61	22.28	
		1	49	23.00	22.98	22.66	22.34	
			25	0	22.50	22.12	22.00	21.99
				13	22.50	22.08	21.97	21.93
25	22.50	22.10		21.95	21.92			
50	0	22.50	22.11	22.03	21.96			
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	132047	132322	132597	
					1717.5MHz	1755.0MHz	1772.5MHz	
15MHz	QPSK	1	0	24.00	23.58	23.40	23.32	
			38	23.50	23.39	23.20	23.22	
			74	23.50	23.38	23.17	23.29	
		36	0	23.00	22.86	22.62	22.57	
			18	23.00	22.77	22.55	22.54	
			39	23.00	22.79	22.51	22.57	
	16QAM	75	0	23.00	22.85	22.63	22.63	
			0	23.50	23.05	22.77	22.66	
			38	23.00	22.80	22.58	22.50	
		1	74	23.00	22.92	22.61	22.59	
			36	0	22.50	22.08	21.96	21.83
				18	22.00	22.00	21.89	21.79
39	22.50	22.05		21.87	21.80			
75	0	22.50	22.06	21.85	21.89			
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	132072	132322	132572	
					1720.0MHz	1755.0MHz	1770.0MHz	
20MHz	QPSK	1	0	24.00	23.58	23.49	23.20	
			50	23.50	23.42	23.35	23.20	
			99	23.50	23.37	23.29	23.23	
		50	0	23.00	22.82	22.74	22.68	
			25	23.00	22.82	22.70	22.68	
			50	23.00	22.83	22.67	22.64	
	16 QAM	100	0	23.00	22.78	22.69	22.67	
			0	23.00	22.94	22.81	22.72	
			50	23.00	22.82	22.71	22.73	
		1	99	23.00	22.80	22.65	22.66	
			50	0	22.50	22.13	22.05	22.07
				25	22.50	22.13	22.01	22.07
50	22.50	22.14		22.00	22.03			
100	0	22.50	22.06	22.01	21.97			

11.1.25 Conducted Power of Wi-Fi 2.4G

ANT1

Mode	802.11b		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	16.76	18.36	17.26
Maximum Tune-up(dBm)	18.50		
Mode	802.11g		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	20.55	21.78	20.84
Maximum Tune-up(dBm)	22.00		
Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	20.38	21.59	20.67
Maximum Tune-up(dBm)	22.00		
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	1(2422)	6(2437)	11(2452)
Average Power(dBm)	20.81	21.07	20.85
Maximum Tune-up(dBm)	21.50		

ANT2

Mode	802.11b		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	16.63	18.28	16.96
Maximum Tune-up(dBm)	18.50		
Mode	802.11g		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	20.50	21.80	20.80
Maximum Tune-up(dBm)	22.00		
Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	20.44	21.31	20.73
Maximum Tune-up(dBm)	21.50		
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	1(2422)	6(2437)	11(2452)
Average Power(dBm)	20.48	21.16	20.88
Maximum Tune-up(dBm)	21.50		

MIMO

Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	23.42	24.46	23.71
Maximum Tune-up(dBm)	24.50		
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	1(2422)	6(2437)	11(2452)
Average Power(dBm)	23.66	24.13	23.88
Maximum Tune-up(dBm)	24.50		

11.1.26 Conducted Power of Wi-Fi 5G

Ant 1						
Band	Mode	Channel	Frequency(MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-1 (5150-5250)	802.11a	36	5180	16.00	15.95	No
		48	5240	15.50	15.48	No
	802.11n-HT20	36	5180	17.00	16.87	Yes
		48	5240	16.50	16.35	No
	802.11n-HT40	38	5190	14.50	14.16	No
		46	5230	14.50	14.17	No
	802.11ac-VHT20	36	5180	15.00	14.85	No
		48	5240	15.00	14.63	No
	802.11ac-VHT40	38	5190	14.50	14.02	No
		46	5230	14.00	13.77	No
	802.11ac-VHT80	42	5210	13.50	13.45	No
Ant 2						
Band	Mode	Channel	Frequency(MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-1 (5150-5250)	802.11a	36	5180	16.50	16.09	No
		48	5240	16.00	15.65	No
	802.11n-HT20	36	5180	17.00	16.79	Yes
		48	5240	16.50	16.23	No
	802.11n-HT40	38	5190	17.00	16.64	No
		46	5230	16.50	16.29	No
	802.11ac-VHT20	36	5180	15.50	15.20	No
		48	5240	15.00	14.76	No
	802.11ac-VHT40	38	5190	14.50	14.01	No
		46	5230	14.00	13.68	No
	802.11ac-VHT80	42	5210	13.50	13.48	No
MIMO						
Band	Mode	Channel	Frequency(MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-1 (5150-5250)	802.11n-HT20	36	5180	20.00	19.84	Yes
		48	5240	19.50	19.30	No
	802.11n-HT40	38	5190	19.00	18.58	No
		46	5230	18.50	18.37	No
	802.11ac-VHT20	36	5180	18.50	18.04	No
		48	5240	18.00	17.71	No
	802.11ac-VHT40	38	5190	17.50	17.03	No
		46	5230	17.00	16.74	No
	802.11ac-VHT80	42	5210	16.50	16.48	No

Ant 1						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-2a (5250-5350)	802.11a	52	5260	15.50	15.24	No
		64	5320	15.00	14.84	No
	802.11n-HT20	52	5260	16.50	16.04	Yes
		64	5320	16.00	15.60	No
	802.11n-HT40	54	5270	13.50	13.24	No
		62	5310	13.00	12.96	No
	802.11ac-VHT20	52	5260	14.50	14.26	No
		64	5320	14.00	13.85	No
	802.11ac-VHT40	54	5270	13.50	13.13	No
		62	5310	13.00	12.87	No
	802.11ac-VHT80	58	5290	13.00	12.70	No
Ant 2						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-2a (5250-5350)	802.11a	52	5260	15.50	15.43	No
		64	5320	15.50	15.03	No
	802.11n-HT20	52	5260	16.50	16.01	Yes
		64	5320	16.00	15.53	No
	802.11n-HT40	54	5270	16.00	15.80	No
		62	5310	15.50	15.43	No
	802.11ac-VHT20	52	5260	14.50	14.45	No
		64	5320	14.50	14.07	No
	802.11ac-VHT40	54	5270	13.50	13.26	No
		62	5310	13.00	12.90	No
	802.11ac-VHT80	58	5290	13.00	12.65	No
MIMO						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-2a (5250-5350)	802.11n-HT20	52	5260	19.50	19.04	Yes
		64	5320	19.00	18.58	No
	802.11n-HT40	54	5270	18.00	17.72	No
		62	5310	17.50	17.38	No
	802.11ac-VHT20	52	5260	17.50	17.37	No
		64	5320	17.00	16.97	No
	802.11ac-VHT40	54	5270	16.50	16.21	No
		62	5310	16.00	15.90	No
	802.11ac-VHT80	58	5290	16.00	15.69	No

Ant 1						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-2c (5470-5725)	802.11a	100	5500	15.50	15.35	No
		140	5700	16.00	15.93	No
	802.11n-HT20	100	5500	16.50	16.06	No
		140	5700	17.00	16.58	Yes
	802.11n-HT40	102	5510	13.50	13.23	No
		134	5670	14.50	14.13	No
	802.11ac-VHT20	100	5500	14.50	14.15	No
		140	5700	15.00	15.00	No
	802.11ac-VHT40	102	5510	13.50	13.25	No
		134	5670	14.50	14.07	No
	802.11ac-VHT80	106	5530	13.00	12.99	No
		122	5610	14.00	13.52	No
Ant 2						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-2c (5470-5725)	802.11a	100	5500	16.00	15.53	No
		140	5700	16.50	16.03	No
	802.11n-HT20	100	5500	16.00	15.95	No
		140	5700	17.00	16.62	No
	802.11n-HT40	102	5510	16.00	15.88	No
		134	5670	17.00	16.89	Yes
	802.11ac-VHT20	100	5500	15.00	14.54	No
		140	5700	15.50	15.23	No
	802.11ac-VHT40	102	5510	13.50	13.23	No
		134	5670	14.50	14.10	No
	802.11ac-VHT80	106	5530	13.50	13.02	No
		122	5610	13.50	13.50	No
MIMO						
Band	Mode	Channel	Frequency (MHz)	Tune-up	AveragePower(dBm)	SAR Test(Yes/No)
U-NII-2c (5470-5725)	802.11n-HT20	100	5500	19.50	19.02	No
		140	5700	20.00	19.61	Yes
	802.11n-HT40	102	5510	18.00	17.76	No
		134	5670	19.00	18.74	No
	802.11ac-VHT20	100	5500	17.50	17.36	No
		140	5700	18.50	18.13	No
	802.11ac-VHT40	102	5510	16.50	16.25	No
		134	5670	17.50	17.10	No
	802.11ac-VHT80	106	5530	16.50	16.02	No
		122	5610	17.00	16.52	No

Ant 1						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Powe(dBm)	SAR Test(Yes/No)
U-NII-3 (5725-5825)	802.11a	149	5745	16.50	16.02	No
		165	5825	16.50	16.44	No
	802.11n-HT20	149	5745	17.00	16.59	No
		165	5825	17.00	16.93	No
	802.11n-HT40	151	5755	18.00	17.60	Yes
		159	5795	17.50	17.27	No
	802.11ac-VHT20	149	5745	15.50	15.04	No
		165	5825	16.00	15.56	No
	802.11ac-VHT40	151	5755	14.50	14.32	No
		159	5795	14.50	14.43	No
	802.11ac-VHT80	155	5775	14.50	14.06	No
Ant 2						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Powe(dBm)	SAR Test(Yes/No)
U-NII-3 (5725-5825)	802.11a	149	5745	16.50	16.03	No
		165	5825	16.50	16.41	No
	802.11n-HT20	149	5745	17.00	16.60	No
		165	5825	17.00	16.94	No
	802.11n-HT40	151	5755	17.50	17.24	No
		159	5795	17.50	17.36	Yes
	802.11ac-VHT20	149	5745	15.50	15.12	No
		165	5825	16.00	15.57	No
	802.11ac-VHT40	151	5755	14.50	14.37	No
		159	5795	14.50	14.47	No
	802.11ac-VHT80	155	5775	14.50	14.08	No
MIMO						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power(dBm)	SAR Test(Yes/No)
U-NII-3 (5725-5825)	802.11n-HT20	149	5745	20.00	19.61	No
		165	5825	20.00	19.95	No
	802.11n-HT40	151	5755	20.50	20.43	Yes
		159	5795	20.50	20.33	No
	802.11ac-VHT20	149	5745	18.50	18.09	No
		165	5825	19.00	18.58	No
	802.11ac-VHT40	151	5755	17.50	17.36	No
		159	5795	17.50	17.46	No
	802.11ac-VHT80	155	5775	17.50	17.08	No

<KDB 248227 D01, SAR Guidance for Wi-Fi Transmitters>

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 $> 0.8 \text{ W/kg}$, SAR is required for the subsequent highest measured output power channel until the reported SAR result is $\leq 1.2 \text{ W/kg}$ 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 $\leq 1.2 \text{ W/kg}$.

11.1.27 Conducted Power of BT

EDR	Mode		Maximum Tune- up(dBm)	Average Conducted Output Power(dBm)		
				0	39	78
				2402MHz	2441MHz	2480MHz
	ANT1	GFSK	9.00	8.67	8.83	7.26
		$\pi/4$ QPSK	8.50	7.81	8.32	6.15
		8DPSK	8.00	7.75	7.88	6.39
ANT2	GFSK	9.00	8.69	8.39	8.14	
	$\pi/4$ QPSK	9.00	8.71	6.25	7.30	
	8DPSK	9.00	8.81	6.29	7.14	
BLE	Mode		Maximum Tune- up(dBm)	Average Conducted Output Power(dBm)		
				0	19	39
				2402MHz	2440MHz	2480MHz
	ANT1	1Mbps	3.00	1.70	2.82	2.86
		2Mbps	3.00	1.26	2.98	2.91
	ANT2	1Mbps	3.50	1.48	3.06	2.73
		2Mbps	3.50	1.30	3.05	2.90

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.

11.1.28 Tune-up power tolerance

Band	Tune-up power tolerance(dBm)		
GSM850	GSM/GPRS (GMSK)	GSM	Max output power =32.50
		1TXslots	Max output power =32.50
		2TXslots	Max output power =31.50
		3TXslots	Max output power =30.00
	EGPRS (8-PSK)	4TXslots	Max output power =28.50
		1TXslots	Max output power =30.50
		2TXslots	Max output power =30.00
		3TXslots	Max output power =29.50
GSM1900	GSM/GPRS (GMSK)	4TXslots	Max output power =29.50
		GSM	Max output power =28.50
		1TXslots	Max output power =28.50
		2TXslots	Max output power =27.50
	EGPRS (8-PSK)	3TXslots	Max output power =25.50
		4TXslots	Max output power =24.50
		1TXslots	Max output power =25.50
		2TXslots	Max output power =25.00
WCDMA 2		3TXslots	Max output power =24.00
WCDMA 4		4TXslots	Max output power =23.00
WCDMA 5			Max output power =24.00
LTE B2			Max output power =23.50
LTE B4			Max output power =24.00
LTE B5			Max output power =22.00
LTE B7			Max output power =20.50
LTE B12			Max output power =23.50
LTE B17			Max output power =23.00
LTE B38			Max output power =20.50
LTE B41			Max output power =20.50
LTE B66			Max output power =24.00

Band	Tune-up power tolerance(dBm)			
WIFI	2.4G	ANT1	802.11b	Max output power =18.50
			802.11g	Max output power =22.00
			802.11n (HT20)	Max output power =22.00
			802.11n (HT40)	Max output power =21.50
		ANT2	802.11b	Max output power =18.50
			802.11g	Max output power =22.00
			802.11n (HT20)	Max output power =21.50
			802.11n (HT40)	Max output power =21.50
		MIMO	802.11n (HT20)	Max output power =24.50
			802.11n (HT40)	Max output power =24.50
	U-NII-1(5150-5250)	ANT1	802.11n-HT20	Max output power =17.00
		ANT2	802.11n-HT20	Max output power =17.00
		MIMO	802.11n-HT20	Max output power =20.00
	U-NII-2a(5250-5350)	ANT1	802.11n-HT20	Max output power =16.50
		ANT2	802.11n-HT20	Max output power =16.50
		MIMO	802.11n-HT20	Max output power =19.50
	U-NII-2c(5470-5725)	ANT1	802.11n-HT20	Max output power =17.00
		ANT2	802.11n-HT20	Max output power =17.00
		MIMO	802.11n-HT20	Max output power =20.00
	U-NII-3(5725-5825)	ANT1	802.11n-HT40	Max output power =18.00
		ANT2	802.11n-HT40	Max output power =17.50
		MIMO	802.11n-HT40	Max output power =20.50
BT	ANT1	GFSK mode		Max output power =9.00
		Pi/4DQPSK mode		Max output power =8.50
		8DPSK mode		Max output power =8.00
	ANT2	GFSK mode		Max output power =9.00
		Pi/4DQPSK mode		Max output power =9.00
		8DPSK mode		Max output power =9.00
BLE	ANT1	1Mbps Power		Max output power =9.00
		2Mbps Power		Max output power =3.00
	ANT2	1Mbps Power		Max output power =3.00
		2Mbps Power		Max output power =3.50

11.2 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.

11.3 Test Result

11.3.1 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	128	824.4	-0.040	0.118	100	1.00	32.14	32.50	1.086	0.128
	Left Tilt	128	824.4	-0.150	0.044	100	1.00	32.14	32.50	1.086	0.048
	Right Cheek	128	824.4	-0.170	0.120	100	1.00	32.14	32.50	1.086	0.130
	Right Tilt	128	824.4	-0.060	0.045	100	1.00	32.14	32.50	1.086	0.049
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	128	824.4	-0.060	0.356	100	1.00	32.14	32.50	1.086	0.387
	Back	128	824.4	-0.120	0.413	100	1.00	32.14	32.50	1.086	0.449
	Left	128	824.4	-0.160	0.890	100	1.00	32.14	32.50	1.086	0.967
	right	128	824.4	0.150	0.032	100	1.00	32.14	32.50	1.086	0.035
	Top	128	824.4	-0.060	0.022	100	1.00	32.14	32.50	1.086	0.024
	Bottom	128	824.4	-0.110	0.008	100	1.00	32.14	32.50	1.086	0.009
	Left	128	824.4	0.050	0.770	100	1.00	32.14	32.50	1.086	0.837

Band	Ch.	EUT Position	Measure SAR(W/kg)		
			Original	Repeated	SAR ratio
GPRS 850	128	Left side	0.890	0.770	1.16

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	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	810	1909.8	0.130	0.093	100	1.00	28.34	28.50	1.038	0.096
	Left Tilt	810	1909.8	-0.030	0.180	100	1.00	28.34	28.50	1.038	0.187
	Right Cheek	810	1909.8	-0.020	0.186	100	1.00	28.34	28.50	1.038	0.193
	Right Tilt	810	1909.8	0.150	0.345	100	1.00	28.34	28.50	1.038	0.358
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	810	1909.8	0.080	0.262	100	1.00	28.34	28.50	1.038	0.272
	Back	810	1909.8	-0.010	0.427	100	1.00	28.34	28.50	1.038	0.443
	Left	810	1909.8	0.170	0.129	100	1.00	28.34	28.50	1.038	0.134
	right	810	1909.8	-0.090	0.075	100	1.00	28.34	28.50	1.038	0.078
	Top	810	1909.8	-0.190	0.812	100	1.00	28.34	28.50	1.038	0.842
	Bottom	810	1909.8	-0.040	0.012	100	1.00	28.34	28.50	1.038	0.012
	Top	810	1909.8	0.030	0.748	100	1.00	28.34	28.50	1.038	0.776

Band	Ch.	EUT Position	Measure SAR(W/kg)		
			Original	Repeated	SAR ratio
GPRS 1900	810	Top	0.812	0.748	1.09

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.

11.3.2 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	9262	1852.4	0.010	0.123	100	1.00	23.50	24.00	1.122	0.138
	Left Tilt	9262	1852.4	0.100	0.199	100	1.00	23.50	24.00	1.122	0.223
	Right Cheek	9262	1852.4	-0.090	0.278	100	1.00	23.50	24.00	1.122	0.312
	Right Tilt	9262	1852.4	0.150	0.446	100	1.00	23.50	24.00	1.122	0.500
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	9262	1852.4	0.150	0.038	100	1.00	23.50	24.00	1.122	0.043
	Back	9262	1852.4	-0.170	0.066	100	1.00	23.50	24.00	1.122	0.074
	Left	9262	1852.4	0.130	0.020	100	1.00	23.50	24.00	1.122	0.022
	right	9262	1852.4	-0.140	0.011	100	1.00	23.50	24.00	1.122	0.012
	Top	9262	1852.4	-0.020	0.095	100	1.00	23.50	24.00	1.122	0.107
	Bottom	9262	1852.4	0.040	0.002	100	1.00	23.50	24.00	1.122	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)
WCDMA Band 4 (RMC*)	Left Cheek	1312	1712.4	-0.150	0.036	100	1.00	23.60	24.00	1.096	0.039
	Left Tilt	1312	1712.4	0.160	0.068	100	1.00	23.60	24.00	1.096	0.075
	Right Cheek	1312	1712.4	0.050	0.075	100	1.00	23.60	24.00	1.096	0.082
	Right Tilt	1312	1712.4	0.130	0.145	100	1.00	23.60	24.00	1.096	0.159
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	1312	1712.4	-0.040	0.010	100	1.00	23.60	24.00	1.096	0.011
	Back	1312	1712.4	0.100	0.019	100	1.00	23.60	24.00	1.096	0.021
	Left	1312	1712.4	0.180	0.005	100	1.00	23.60	24.00	1.096	0.005
	right	1312	1712.4	-0.180	0.003	100	1.00	23.60	24.00	1.096	0.003
	Top	1312	1712.4	0.170	0.025	100	1.00	23.60	24.00	1.096	0.027
	Bottom	1312	1712.4	0.110	0.000	100	1.00	23.60	24.00	1.096	0.000

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	0.070	0.193	100	1.00	23.65	24.00	1.084	0.209
	Left Tilt	4132	826.4	-0.100	0.067	100	1.00	23.65	24.00	1.084	0.073
	Right Cheek	4132	826.4	0.180	0.233	100	1.00	23.65	24.00	1.084	0.253
	Right Tilt	4132	826.4	0.040	0.082	100	1.00	23.65	24.00	1.084	0.089
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	-0.080	0.161	100	1.00	23.65	24.00	1.084	0.175
	Back	4132	826.4	0.020	0.198	100	1.00	23.65	24.00	1.084	0.215
	Left	4132	826.4	0.140	0.427	100	1.00	23.65	24.00	1.084	0.463
	right	4132	826.4	-0.140	0.015	100	1.00	23.65	24.00	1.084	0.016
	Top	4132	826.4	-0.160	0.011	100	1.00	23.65	24.00	1.084	0.012
	Bottom	4132	826.4	-0.140	0.004	100	1.00	23.65	24.00	1.084	0.004

11.3.3 Results overview of LTE

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 2 (BW: 20MHz)	1RB	Left Cheek	18700	1860.0	0.060	0.052	100	1.00	23.02	23.50	1.117	0.058
		Left Tilt	18700	1860.0	-0.170	0.141	100	1.00	23.02	23.50	1.117	0.157
		Right Cheek	18700	1860.0	-0.120	0.158	100	1.00	23.02	23.50	1.117	0.176
		Right Tilt	18700	1860.0	0.180	0.436	100	1.00	23.02	23.50	1.117	0.487
	50%RB	Left Cheek	18700	1860.0	0.160	0.044	100	1.00	23.02	23.50	1.117	0.049
		Left Tilt	18700	1860.0	0.120	0.113	100	1.00	23.02	23.50	1.117	0.126
		Right Cheek	18700	1860.0	-0.170	0.135	100	1.00	23.02	23.50	1.117	0.151
		Right Tilt	18700	1860.0	-0.090	0.355	100	1.00	23.02	23.50	1.117	0.396
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 2 (BW: 20MHz)	1RB	Front	18700	1860.0	-0.040	0.033	100	1.00	23.02	23.50	1.117	0.037
		Back	18700	1860.0	0.090	0.049	100	1.00	23.02	23.50	1.117	0.055
		Left	18700	1860.0	0.020	0.015	100	1.00	23.02	23.50	1.117	0.017
		right	18700	1860.0	-0.190	0.009	100	1.00	23.02	23.50	1.117	0.010
		Top	18700	1860.0	-0.170	0.078	100	1.00	23.02	23.50	1.117	0.087
		Bottom	18700	1860.0	-0.050	0.002	100	1.00	23.02	23.50	1.117	0.002
	50%RB	Front	18700	1860.0	0.160	0.027	100	1.00	23.02	23.50	1.117	0.030
		Back	18700	1860.0	0.080	0.041	100	1.00	23.02	23.50	1.117	0.046
		Left	18700	1860.0	0.020	0.013	100	1.00	23.02	23.50	1.117	0.015
		right	18700	1860.0	-0.070	0.008	100	1.00	23.02	23.50	1.117	0.009
		Top	18700	1860.0	-0.120	0.067	100	1.00	23.02	23.50	1.117	0.075
		Bottom	18700	1860.0	-0.020	0.002	100	1.00	23.02	23.50	1.117	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 4 (BW: 20MHz)	1RB	Left Cheek	20050	1720.0	0.170	0.150	100	1.00	23.81	24.00	1.045	0.157
		Left Tilt	20050	1720.0	0.020	0.272	100	1.00	23.81	24.00	1.045	0.284
		Right Cheek	20050	1720.0	0.150	0.330	100	1.00	23.81	24.00	1.045	0.345
		Right Tilt	20050	1720.0	0.190	0.573	100	1.00	23.81	24.00	1.045	0.599
	50%RB	Left Cheek	20050	1720.0	0.020	0.130	100	1.00	23.81	24.00	1.045	0.136
		Left Tilt	20050	1720.0	-0.090	0.237	100	1.00	23.81	24.00	1.045	0.248
		Right Cheek	20050	1720.0	0.180	0.276	100	1.00	23.81	24.00	1.045	0.288
		Right Tilt	20050	1720.0	0.040	0.496	100	1.00	23.81	24.00	1.045	0.518
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 4 (BW: 20MHz)	1RB	Front	20050	1720.0	-0.080	0.037	100	1.00	23.81	24.00	1.045	0.039
		Back	20050	1720.0	0.180	0.061	100	1.00	23.81	24.00	1.045	0.064
		Left	20050	1720.0	-0.080	0.018	100	1.00	23.81	24.00	1.045	0.019
		right	20050	1720.0	0.180	0.011	100	1.00	23.81	24.00	1.045	0.011
		Top	20050	1720.0	0.130	0.097	100	1.00	23.81	24.00	1.045	0.101
		Bottom	20050	1720.0	-0.020	0.002	100	1.00	23.81	24.00	1.045	0.002
	50%RB	Front	20050	1720.0	0.060	0.031	100	1.00	23.81	24.00	1.045	0.032
		Back	20050	1720.0	-0.100	0.050	100	1.00	23.81	24.00	1.045	0.052
		Left	20050	1720.0	0.060	0.016	100	1.00	23.81	24.00	1.045	0.017
		right	20050	1720.0	-0.070	0.010	100	1.00	23.81	24.00	1.045	0.010
		Top	20050	1720.0	-0.020	0.084	100	1.00	23.81	24.00	1.045	0.088
		Bottom	20050	1720.0	-0.050	0.002	100	1.00	23.81	24.00	1.045	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 5 (BW: 10MHz)	1RB	Left Cheek	20600	844.0	0.040	0.200	100	1.00	21.78	22.00	1.052	0.210
		Left Tilt	20600	844.0	-0.180	0.077	100	1.00	21.78	22.00	1.052	0.081
		Right Cheek	20600	844.0	0.050	0.269	100	1.00	21.78	22.00	1.052	0.283
		Right Tilt	20600	844.0	0.110	0.106	100	1.00	21.78	22.00	1.052	0.112
	50%RB	Left Cheek	20600	844.0	-0.160	0.175	100	1.00	21.78	22.00	1.052	0.184
		Left Tilt	20600	844.0	-0.010	0.062	100	1.00	21.78	22.00	1.052	0.065
		Right Cheek	20600	844.0	-0.020	0.234	100	1.00	21.78	22.00	1.052	0.246
		Right Tilt	20600	844.0	-0.070	0.085	100	1.00	21.78	22.00	1.052	0.089
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 5 (BW: 10MHz)	1RB	Front	20600	844.0	0.070	0.160	100	1.00	21.78	22.00	1.052	0.168
		Back	20600	844.0	-0.120	0.200	100	1.00	21.78	22.00	1.052	0.210
		Left	20600	844.0	-0.170	0.432	100	1.00	21.78	22.00	1.052	0.454
		Right	20600	844.0	-0.180	0.014	100	1.00	21.78	22.00	1.052	0.015
		Top	20600	844.0	0.020	0.010	100	1.00	21.78	22.00	1.052	0.011
		Bottom	20600	844.0	-0.030	0.004	100	1.00	21.78	22.00	1.052	0.004
	50%RB	Front	20600	844.0	0.030	0.134	100	1.00	21.78	22.00	1.052	0.141
		Back	20600	844.0	-0.140	0.165	100	1.00	21.78	22.00	1.052	0.174
		Left	20600	844.0	-0.040	0.348	100	1.00	21.78	22.00	1.052	0.366
		Right	20600	844.0	0.160	0.012	100	1.00	21.78	22.00	1.052	0.013
		Top	20600	844.0	0.110	0.008	100	1.00	21.78	22.00	1.052	0.008
		Bottom	20600	844.0	-0.040	0.003	100	1.00	21.78	22.00	1.052	0.003

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 7 (BW: 20MHz)	1RB	Left Cheek	21400	2565.0	0.060	0.073	100	1.00	20.21	20.50	1.069	0.078
		Left Tilt	21400	2565.0	-0.070	0.213	100	1.00	20.21	20.50	1.069	0.228
		Right Cheek	21400	2565.0	-0.180	0.172	100	1.00	20.21	20.50	1.069	0.184
		Right Tilt	21400	2565.0	0.190	0.474	100	1.00	20.21	20.50	1.069	0.507
	50%RB	Left Cheek	21400	2565.0	-0.060	0.064	100	1.00	20.21	20.50	1.069	0.068
		Left Tilt	21400	2565.0	0.150	0.172	100	1.00	20.21	20.50	1.069	0.184
		Right Cheek	21400	2565.0	-0.010	0.150	100	1.00	20.21	20.50	1.069	0.160
		Right Tilt	21400	2565.0	-0.080	0.388	100	1.00	20.21	20.50	1.069	0.415
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 7 (BW: 20MHz)	1RB	Front	21400	2565.0	-0.010	0.024	100	1.00	20.21	20.50	1.069	0.026
		Back	21400	2565.0	-0.050	0.037	100	1.00	20.21	20.50	1.069	0.040
		Left	21400	2565.0	0.150	0.011	100	1.00	20.21	20.50	1.069	0.012
		Right	21400	2565.0	-0.010	0.006	100	1.00	20.21	20.50	1.069	0.006
		Top	21400	2565.0	-0.160	0.059	100	1.00	20.21	20.50	1.069	0.063
		Bottom	21400	2565.0	0.150	0.001	100	1.00	20.21	20.50	1.069	0.001
	50%RB	Front	21400	2565.0	0.010	0.020	100	1.00	20.21	20.50	1.069	0.021
		Back	21400	2565.0	0.120	0.030	100	1.00	20.21	20.50	1.069	0.032
		Left	21400	2565.0	-0.020	0.009	100	1.00	20.21	20.50	1.069	0.010
		Right	21400	2565.0	0.180	0.005	100	1.00	20.21	20.50	1.069	0.005
		Top	21400	2565.0	0.010	0.049	100	1.00	20.21	20.50	1.069	0.052
		Bottom	21400	2565.0	0.020	0.001	100	1.00	20.21	20.50	1.069	0.001

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 12 (BW: 10MHz)	1RB	Left Cheek	23095	707.5	0.050	0.355	100	1.00	23.12	23.50	1.091	0.387
		Left Tilt	23095	707.5	0.010	0.167	100	1.00	23.12	23.50	1.091	0.182
		Right Cheek	23095	707.5	-0.060	0.445	100	1.00	23.12	23.50	1.091	0.486
		Right Tilt	23095	707.5	-0.110	0.207	100	1.00	23.12	23.50	1.091	0.226
	50%RB	Left Cheek	23095	707.5	-0.070	0.301	100	1.00	23.12	23.50	1.091	0.329
		Left Tilt	23095	707.5	0.140	0.144	100	1.00	23.12	23.50	1.091	0.157
		Right Cheek	23095	707.5	-0.020	0.370	100	1.00	23.12	23.50	1.091	0.404
		Right Tilt	23095	707.5	-0.170	0.169	100	1.00	23.12	23.50	1.091	0.184
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 12 (BW: 10MHz)	1RB	Front	23095	707.5	0.130	0.293	100	1.00	23.12	23.50	1.091	0.320
		Back	23095	707.5	-0.140	0.379	100	1.00	23.12	23.50	1.091	0.414
		Left	23095	707.5	0.120	0.777	100	1.00	23.12	23.50	1.091	0.848
		Right	23095	707.5	0.030	0.028	100	1.00	23.12	23.50	1.091	0.031
		Top	23095	707.5	0.150	0.019	100	1.00	23.12	23.50	1.091	0.021
		Bottom	23095	707.5	-0.180	0.008	100	1.00	23.12	23.50	1.091	0.009
	50%RB	Front	23095	707.5	0.130	0.252	100	1.00	23.12	23.50	1.091	0.275
		Back	23095	707.5	0.110	0.311	100	1.00	23.12	23.50	1.091	0.339
		Left	23095	707.5	-0.150	0.682	100	1.00	23.12	23.50	1.091	0.744
		Right	23095	707.5	0.090	0.024	100	1.00	23.12	23.50	1.091	0.026
		Top	23095	707.5	0.120	0.016	100	1.00	23.12	23.50	1.091	0.017
		Bottom	23095	707.5	-0.030	0.007	100	1.00	23.12	23.50	1.091	0.008

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 17 (BW: 10MHz)	1RB	Left Cheek	23790	710.0	0.180	0.493	100	1.00	22.66	23.00	1.081	0.533
		Left Tilt	23790	710.0	0.110	0.356	100	1.00	22.66	23.00	1.081	0.385
		Right Cheek	23790	710.0	-0.170	0.516	100	1.00	22.66	23.00	1.081	0.558
		Right Tilt	23790	710.0	-0.150	0.371	100	1.00	22.66	23.00	1.081	0.401
	50%RB	Left Cheek	23790	710.0	0.050	0.407	100	1.00	22.66	23.00	1.081	0.440
		Left Tilt	23790	710.0	-0.020	0.307	100	1.00	22.66	23.00	1.081	0.332
		Right Cheek	23790	710.0	-0.140	0.415	100	1.00	22.66	23.00	1.081	0.449
		Right Tilt	23790	710.0	-0.140	0.303	100	1.00	22.66	23.00	1.081	0.328
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 17 (BW: 10MHz)	1RB	Front	23790	710.0	0.170	0.327	100	1.00	22.66	23.00	1.081	0.354
		Back	23790	710.0	0.040	0.416	100	1.00	22.66	23.00	1.081	0.450
		Left	23790	710.0	-0.040	0.833	100	1.00	22.66	23.00	1.081	0.901
		Right	23790	710.0	-0.010	0.029	100	1.00	22.66	23.00	1.081	0.031
		Top	23790	710.0	-0.020	0.020	100	1.00	22.66	23.00	1.081	0.022
		Bottom	23790	710.0	0.120	0.008	100	1.00	22.66	23.00	1.081	0.009
		Left	23790	710.0	0.100	0.812	100	1.00	22.66	23.00	1.081	0.878
	50%RB	Front	23790	710.0	-0.130	0.285	100	1.00	22.66	23.00	1.081	0.308
		Back	23790	710.0	0.150	0.349	100	1.00	22.66	23.00	1.081	0.377
		Left	23790	710.0	0.180	0.716	100	1.00	22.66	23.00	1.081	0.774
		Right	23790	710.0	-0.170	0.025	100	1.00	22.66	23.00	1.081	0.027
		Top	23790	710.0	0.120	0.017	100	1.00	22.66	23.00	1.081	0.018
		Bottom	23790	710.0	0.050	0.007	100	1.00	22.66	23.00	1.081	0.008

Band	Ch.	EUT Position	Measure SAR(W/kg)		
			Original	Repeated	SAR ratio
LTE Band 17	23790	Left side	0.833	0.812	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 (%)	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	38175	2612.5	0.090	0.133	100	1.00	20.18	20.50	1.076	0.143
		Left Tilt	38175	2612.5	-0.020	0.172	100	1.00	20.18	20.50	1.076	0.185
		Right Cheek	38175	2612.5	0.090	0.372	100	1.00	20.18	20.50	1.076	0.400
		Right Tilt	38175	2612.5	0.160	0.490	100	1.00	20.18	20.50	1.076	0.527
	50%RB	Left Cheek	38175	2612.5	0.120	0.107	100	1.00	20.18	20.50	1.076	0.115
		Left Tilt	38175	2612.5	0.150	0.150	100	1.00	20.18	20.50	1.076	0.161
		Right Cheek	38175	2612.5	-0.030	0.311	100	1.00	20.18	20.50	1.076	0.335
		Right Tilt	38175	2612.5	0.180	0.423	100	1.00	20.18	20.50	1.076	0.455
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 38 (BW: 20MHz)	1RB	Front	38175	2612.5	0.130	0.024	100	1.00	20.18	20.50	1.076	0.026
		Back	38175	2612.5	-0.180	0.038	100	1.00	20.18	20.50	1.076	0.041
		Left	38175	2612.5	0.020	0.012	100	1.00	20.18	20.50	1.076	0.013
		Right	38175	2612.5	-0.100	0.006	100	1.00	20.18	20.50	1.076	0.006
		Top	38175	2612.5	-0.190	0.063	100	1.00	20.18	20.50	1.076	0.068
		Bottom	38175	2612.5	0.110	0.001	100	1.00	20.18	20.50	1.076	0.001
	50%RB	Front	38175	2612.5	0.150	0.020	100	1.00	20.18	20.50	1.076	0.022
		Back	38175	2612.5	0.160	0.031	100	1.00	20.18	20.50	1.076	0.033
		Left	38175	2612.5	-0.010	0.010	100	1.00	20.18	20.50	1.076	0.011
		Right	38175	2612.5	0.120	0.005	100	1.00	20.18	20.50	1.076	0.005
		Top	38175	2612.5	-0.160	0.053	100	1.00	20.18	20.50	1.076	0.057
		Bottom	38175	2612.5	-0.140	0.001	100	1.00	20.18	20.50	1.076	0.001

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	-0.120	0.059	100	1.00	20.14	20.50	1.086	0.064
		Left Tilt	40620	2593.0	0.030	0.180	100	1.00	20.14	20.50	1.086	0.196
		Right Cheek	40620	2593.0	0.130	0.146	100	1.00	20.14	20.50	1.086	0.159
		Right Tilt	40620	2593.0	-0.020	0.449	100	1.00	20.14	20.50	1.086	0.488
		Right Tilt	39750	2506.0	-0.150	0.396	100	1.00	20.14	20.50	1.086	0.430
		Right Tilt	40185	2549.5	0.070	0.394	100	1.00	20.14	20.50	1.086	0.428
		Right Tilt	41055	2636.5	-0.010	0.519	100	1.00	20.14	20.50	1.086	0.564
		Right Tilt	41490	2680.0	0.100	0.521	100	1.00	20.14	20.50	1.086	0.566
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	0.030	0.030	100	1.00	20.14	20.50	1.086	0.033
		Back	40620	2593.0	-0.130	0.047	100	1.00	20.14	20.50	1.086	0.051
		Left	40620	2593.0	-0.020	0.014	100	1.00	20.14	20.50	1.086	0.015
		Right	40620	2593.0	0.090	0.008	100	1.00	20.14	20.50	1.086	0.009
		Top	40620	2593.0	0.120	0.075	100	1.00	20.14	20.50	1.086	0.081
		Bottom	40620	2593.0	-0.010	0.002	100	1.00	20.14	20.50	1.086	0.002
		Top	39750	2506.0	0.150	0.069	100	1.00	20.14	20.50	1.086	0.075
		Top	40185	2549.5	-0.100	0.067	100	1.00	20.14	20.50	1.086	0.073
		Top	41055	2636.5	-0.120	0.084	100	1.00	20.14	20.50	1.086	0.091
		Top	41490	2680.0	0.020	0.085	100	1.00	20.14	20.50	1.086	0.092

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	-0.110	0.052	100	1.00	20.14	20.50	1.086	0.056
		Left Tilt	40620	2593.0	-0.160	0.147	100	1.00	20.14	20.50	1.086	0.160
		Right Cheek	40620	2593.0	-0.080	0.124	100	1.00	20.14	20.50	1.086	0.135
		Right Tilt	40620	2593.0	0.180	0.363	100	1.00	20.14	20.50	1.086	0.394
		Right Tilt	39750	2506.0	0.040	0.321	100	1.00	20.14	20.50	1.086	0.349
		Right Tilt	40185	2549.5	-0.120	0.319	100	1.00	20.14	20.50	1.086	0.347
		Right Tilt	41055	2636.5	0.020	0.420	100	1.00	20.14	20.50	1.086	0.456
		Right Tilt	41490	2680.0	0.060	0.439	100	1.00	20.14	20.50	1.086	0.477
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	-0.160	0.026	100	1.00	20.14	20.50	1.086	0.028
		Back	40620	2593.0	-0.100	0.038	100	1.00	20.14	20.50	1.086	0.041
		Left	40620	2593.0	-0.080	0.011	100	1.00	20.14	20.50	1.086	0.012
		Right	40620	2593.0	-0.030	0.007	100	1.00	20.14	20.50	1.086	0.008
		Top	40620	2593.0	0.180	0.062	100	1.00	20.14	20.50	1.086	0.067
		Bottom	40620	2593.0	0.080	0.002	100	1.00	20.14	20.50	1.086	0.002
		Top	39750	2506.0	0.100	0.056	100	1.00	20.14	20.50	1.086	0.061
		Top	40185	2549.5	0.020	0.055	100	1.00	20.14	20.50	1.086	0.060
		Top	41055	2636.5	-0.100	0.067	100	1.00	20.14	20.50	1.086	0.073
		Top	41490	2680.0	0.050	0.074	100	1.00	20.14	20.50	1.086	0.080

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 66 (BW: 20MHz)	1RB	Left Cheek	132022	1715.0	0.120	0.095	100	1.00	23.60	24.00	1.096	0.104
		Left Tilt	132022	1715.0	0.010	0.200	100	1.00	23.60	24.00	1.096	0.219
		Right Cheek	132022	1715.0	-0.100	0.223	100	1.00	23.60	24.00	1.096	0.245
		Right Tilt	132022	1715.0	0.030	0.466	100	1.00	23.60	24.00	1.096	0.511
	50%RB	Left Cheek	132022	1715.0	0.060	0.083	100	1.00	23.60	24.00	1.096	0.091
		Left Tilt	132022	1715.0	0.170	0.171	100	1.00	23.60	24.00	1.096	0.187
		Right Cheek	132022	1715.0	0.080	0.187	100	1.00	23.60	24.00	1.096	0.205
		Right Tilt	132022	1715.0	-0.170	0.387	100	1.00	23.60	24.00	1.096	0.424
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 66 (BW: 20MHz)	1RB	Front	132022	1715.0	0.020	0.035	100	1.00	23.60	24.00	1.096	0.038
		Back	132022	1715.0	-0.180	0.061	100	1.00	23.60	24.00	1.096	0.067
		Left	132022	1715.0	0.160	0.017	100	1.00	23.60	24.00	1.096	0.019
		Right	132022	1715.0	0.010	0.010	100	1.00	23.60	24.00	1.096	0.011
		Top	132022	1715.0	0.160	0.093	100	1.00	23.60	24.00	1.096	0.102
		Bottom	132022	1715.0	-0.040	0.001	100	1.00	23.60	24.00	1.096	0.001
	50%RB	Front	132022	1715.0	0.110	0.030	100	1.00	23.60	24.00	1.096	0.033
		Back	132022	1715.0	-0.050	0.052	100	1.00	23.60	24.00	1.096	0.057
		Left	132022	1715.0	-0.130	0.015	100	1.00	23.60	24.00	1.096	0.016
		Right	132022	1715.0	0.110	0.009	100	1.00	23.60	24.00	1.096	0.010
		Top	132022	1715.0	-0.120	0.079	100	1.00	23.60	24.00	1.096	0.087
		Bottom	132022	1715.0	-0.080	0.002	100	1.00	23.60	24.00	1.096	0.002

11.3.4 Results overview of WIFI&BT

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)	Left Cheek	6	2437	0.180	0.311	100	1.00	24.46	24.50	1.009	0.314
	Left Tilt	6	2437	-0.160	0.322	100	1.00	24.46	24.50	1.009	0.325
	Right Cheek	6	2437	-0.080	0.150	100	1.00	24.46	24.50	1.009	0.151
	Right Tilt	6	2437	-0.150	0.165	100	1.00	24.46	24.50	1.009	0.167
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)	Front	6	2437	0.070	0.022	100	1.00	24.46	24.50	1.009	0.022
	Back	6	2437	0.150	0.022	100	1.00	24.46	24.50	1.009	0.022
	Left	6	2437	-0.030	0.006	100	1.00	24.46	24.50	1.009	0.006
	Right	6	2437	-0.180	0.011	100	1.00	24.46	24.50	1.009	0.011
	Top	6	2437	-0.170	0.023	100	1.00	24.46	24.50	1.009	0.023
	Bottom	6	2437	-0.020	0.001	100	1.00	24.46	24.50	1.009	0.001

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band1 5180-5240	Left Cheek	36	5180	0.110	0.080	100	1.00	19.84	20.00	1.038	0.083
	Left Tilt	36	5180	0.070	0.202	100	1.00	19.84	20.00	1.038	0.210
	Right Cheek	36	5180	0.030	0.056	100	1.00	19.84	20.00	1.038	0.058
	Right Tilt	36	5180	0.180	0.127	100	1.00	19.84	20.00	1.038	0.132
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band1 5180-5240	Front	36	5180	-0.040	0.009	100	1.00	19.84	20.00	1.038	0.009
	Back	36	5180	-0.100	0.011	100	1.00	19.84	20.00	1.038	0.011
	Left	36	5180	-0.150	0.002	100	1.00	19.84	20.00	1.038	0.002
	Right	36	5180	-0.170	0.001	100	1.00	19.84	20.00	1.038	0.001
	Top	36	5180	0.130	0.013	100	1.00	19.84	20.00	1.038	0.013
	Bottom	36	5180	0.070	0.000	100	1.00	19.84	20.00	1.038	0.000

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band2 5260-5320	Left Cheek	52	5260	0.190	0.097	100	1.00	19.04	19.50	1.112	0.108
	Left Tilt	52	5260	0.180	0.240	100	1.00	19.04	19.50	1.112	0.267
	Right Cheek	52	5260	0.140	0.065	100	1.00	19.04	19.50	1.112	0.072
	Right Tilt	52	5260	0.030	0.144	100	1.00	19.04	19.50	1.112	0.160
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band2 5260-5320	Front	52	5260	0.060	0.013	100	1.00	19.04	19.50	1.112	0.014
	Back	52	5260	-0.150	0.016	100	1.00	19.04	19.50	1.112	0.018
	Left	52	5260	-0.120	0.003	100	1.00	19.04	19.50	1.112	0.003
	Right	52	5260	0.060	0.001	100	1.00	19.04	19.50	1.112	0.001
	Top	52	5260	0.150	0.019	100	1.00	19.04	19.50	1.112	0.021
	Bottom	52	5260	-0.180	0.000	100	1.00	19.04	19.50	1.112	0.000

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band3 5500-5700	Left Cheek	140	5700	0.080	0.113	100	1.00	19.61	20.00	1.094	0.124
	Left Tilt	140	5700	0.160	0.275	100	1.00	19.61	20.00	1.094	0.301
	Right Cheek	140	5700	0.150	0.073	100	1.00	19.61	20.00	1.094	0.080
	Right Tilt	140	5700	-0.120	0.179	100	1.00	19.61	20.00	1.094	0.196
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band3 5500-5700	Front	140	5700	0.130	0.010	100	1.00	19.61	20.00	1.094	0.011
	Back	140	5700	-0.090	0.013	100	1.00	19.61	20.00	1.094	0.014
	Left	140	5700	0.060	0.003	100	1.00	19.61	20.00	1.094	0.003
	Right	140	5700	-0.010	0.001	100	1.00	19.61	20.00	1.094	0.001
	Top	140	5700	-0.160	0.016	100	1.00	19.61	20.00	1.094	0.018
	Bottom	140	5700	-0.110	0.000	100	1.00	19.61	20.00	1.094	0.000

Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band4 5745-5825	Left Cheek	151	5755	0.140	0.117	100	1.00	20.43	20.50	1.016	0.119
	Left Tilt	151	5755	-0.060	0.314	100	1.00	20.43	20.50	1.016	0.319
	Right Cheek	151	5755	0.160	0.082	100	1.00	20.43	20.50	1.016	0.083
	Right Tilt	151	5755	0.060	0.197	100	1.00	20.43	20.50	1.016	0.200
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band4 5745-5825	Front	151	5755	-0.150	0.010	100	1.00	20.43	20.50	1.016	0.010
	Back	151	5755	0.100	0.012	100	1.00	20.43	20.50	1.016	0.012
	Left	151	5755	-0.170	0.002	100	1.00	20.43	20.50	1.016	0.002
	Right	151	5755	-0.030	0.001	100	1.00	20.43	20.50	1.016	0.001
	Top	151	5755	0.050	0.015	100	1.00	20.43	20.50	1.016	0.015
	Bottom	151	5755	0.080	0.000	100	1.00	20.43	20.50	1.016	0.000

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	0.120	0.078	100	1.00	8.81	9.00	1.045	0.081
	Left Tilt	39	2441	0.110	0.054	100	1.00	8.81	9.00	1.045	0.056
	Right Cheek	39	2441	-0.050	0.021	100	1.00	8.81	9.00	1.045	0.022
	Right Tilt	39	2441	0.170	0.011	100	1.00	8.81	9.00	1.045	0.011
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	-0.080	0.022	100	1.00	8.81	9.00	1.045	0.023
	Back	39	2441	0.170	0.027	100	1.00	8.81	9.00	1.045	0.028
	Left	39	2441	0.130	0.001	100	1.00	8.81	9.00	1.045	0.001
	Right	39	2441	-0.010	0.044	100	1.00	8.81	9.00	1.045	0.046
	Top	39	2441	0.110	0.015	100	1.00	8.81	9.00	1.045	0.016
	Bottom	39	2441	-0.180	0.001	100	1.00	8.81	9.00	1.045	0.001

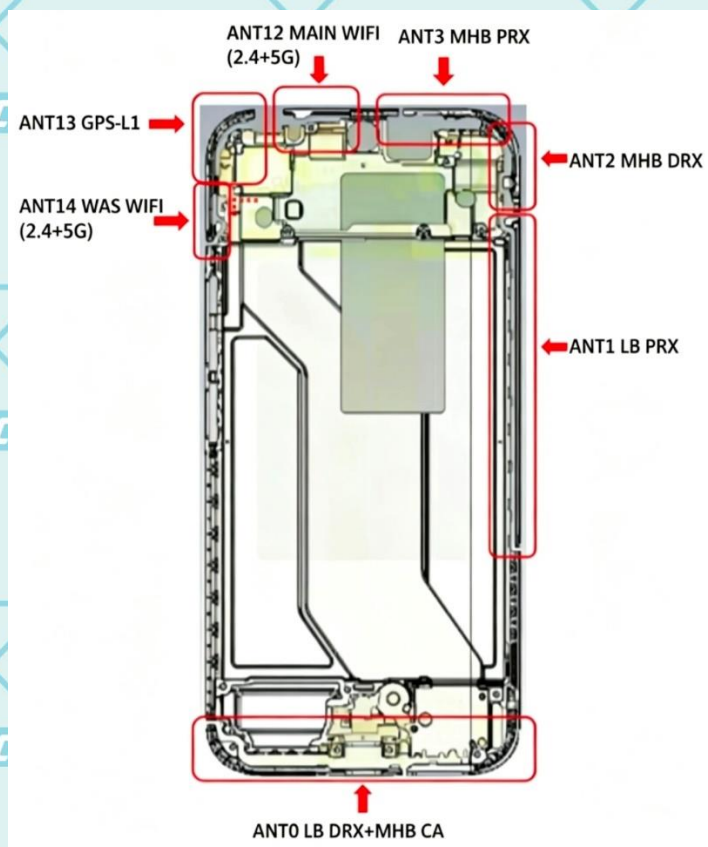
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Bluetooth	Left Cheek	39	2441	-0.140	0.083	100	1.00	8.83	9.00	1.040	0.086
	Left Tilt	39	2441	-0.160	0.304	100	1.00	8.83	9.00	1.040	0.316
	Right Cheek	39	2441	0.080	0.044	100	1.00	8.83	9.00	1.040	0.046
	Right Tilt	39	2441	-0.110	0.161	100	1.00	8.83	9.00	1.040	0.167
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	0.040	0.012	100	1.00	8.83	9.00	1.040	0.012
	Back	39	2441	0.110	0.019	100	1.00	8.83	9.00	1.040	0.020
	Left	39	2441	0.070	0.005	100	1.00	8.83	9.00	1.040	0.005
	Right	39	2441	0.040	0.003	100	1.00	8.83	9.00	1.040	0.003
	Top	39	2441	-0.190	0.028	100	1.00	8.83	9.00	1.040	0.029
	Bottom	39	2441	-0.020	0.001	100	1.00	8.83	9.00	1.040	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 x 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 Wi-Fi ,because the BT and Wi-Fi share the same antenna and can't transmit simultaneously.

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)	WIFI5G band4 SAR 1g(W/kg)	BT SAR 1g(W/kg)				
GSM850 (voice)	Left Cheek	0.128	0.314	0.119	0.086	0.442	0.247	0.214	1.6
	Left Tilt	0.048	0.325	0.319	0.316	0.373	0.367	0.364	
	Right Cheek	0.130	0.151	0.083	0.046	0.281	0.213	0.176	
	Right Tilt	0.049	0.167	0.200	0.167	0.216	0.249	0.216	
GSM1900 (voice)	Left Cheek	0.096	0.314	0.119	0.086	0.410	0.215	0.182	
	Left Tilt	0.187	0.325	0.319	0.316	0.512	0.506	0.503	
	Right Cheek	0.193	0.151	0.083	0.046	0.344	0.276	0.239	
	Right Tilt	0.358	0.167	0.200	0.167	0.525	0.558	0.525	
WCDMA Band 2	Left Cheek	0.138	0.314	0.119	0.086	0.452	0.257	0.224	
	Left Tilt	0.223	0.325	0.319	0.316	0.548	0.542	0.539	
	Right Cheek	0.312	0.151	0.083	0.046	0.463	0.395	0.358	
	Right Tilt	0.500	0.167	0.200	0.167	0.667	0.700	0.667	
WCDMA Band 4	Left Cheek	0.039	0.314	0.119	0.086	0.353	0.158	0.125	
	Left Tilt	0.075	0.325	0.319	0.316	0.400	0.394	0.391	
	Right Cheek	0.082	0.151	0.083	0.046	0.233	0.165	0.128	
	Right Tilt	0.159	0.167	0.200	0.167	0.326	0.359	0.326	
WCDMA Band 5	Left Cheek	0.209	0.314	0.119	0.086	0.523	0.328	0.295	
	Left Tilt	0.073	0.325	0.319	0.316	0.398	0.392	0.389	
	Right Cheek	0.253	0.151	0.083	0.046	0.404	0.336	0.299	
	Right Tilt	0.089	0.167	0.200	0.167	0.256	0.289	0.256	

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)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	WIFI5G band4 SAR 1g(W/kg)	BT SAR 1g(W/kg)				
LTE Band 2 QPSK (20MHz)	Left Cheek	1RB	0.058	0.314	0.119	0.086	0.372	0.177	0.144	1.6
	Left Tilt		0.157	0.325	0.319	0.316	0.482	0.476	0.473	
	Right Cheek		0.176	0.151	0.083	0.046	0.327	0.259	0.222	
	Right Tilt		0.487	0.167	0.200	0.167	0.654	0.687	0.654	
	Left Cheek	50%RB	0.049	0.314	0.119	0.086	0.363	0.168	0.135	
	Left Tilt		0.126	0.325	0.319	0.316	0.451	0.445	0.442	
	Right Cheek		0.151	0.151	0.083	0.046	0.302	0.234	0.197	
	Right Tilt		0.396	0.167	0.200	0.167	0.563	0.596	0.563	
LTE Band 4 QPSK (20MHz)	Left Cheek	1RB	0.157	0.314	0.119	0.086	0.471	0.276	0.243	
	Left Tilt		0.284	0.325	0.319	0.316	0.609	0.603	0.600	
	Right Cheek		0.345	0.151	0.083	0.046	0.496	0.428	0.391	
	Right Tilt		0.599	0.167	0.200	0.167	0.766	0.799	0.766	
	Left Cheek	50%RB	0.136	0.314	0.119	0.086	0.450	0.255	0.222	
	Left Tilt		0.248	0.325	0.319	0.316	0.573	0.567	0.564	
	Right Cheek		0.288	0.151	0.083	0.046	0.439	0.371	0.334	
	Right Tilt		0.518	0.167	0.200	0.167	0.685	0.718	0.685	
LTE Band 5 QPSK (10MHz)	Left Cheek	1RB	0.210	0.314	0.119	0.086	0.524	0.329	0.296	
	Left Tilt		0.081	0.325	0.319	0.316	0.406	0.400	0.397	
	Right Cheek		0.283	0.151	0.083	0.046	0.434	0.366	0.329	
	Right Tilt		0.112	0.167	0.200	0.167	0.279	0.312	0.279	
	Left Cheek	50%RB	0.184	0.314	0.119	0.086	0.498	0.303	0.270	
	Left Tilt		0.065	0.325	0.319	0.316	0.390	0.384	0.381	
	Right Cheek		0.246	0.151	0.083	0.046	0.397	0.329	0.292	
	Right Tilt		0.089	0.167	0.200	0.167	0.256	0.289	0.256	
LTE Band 7 QPSK (10MHz)	Left Cheek	1RB	0.078	0.314	0.119	0.086	0.392	0.197	0.164	
	Left Tilt		0.228	0.325	0.319	0.316	0.553	0.547	0.544	
	Right Cheek		0.184	0.151	0.083	0.046	0.335	0.267	0.230	
	Right Tilt		0.507	0.167	0.200	0.167	0.674	0.707	0.674	
	Left Cheek	50%RB	0.068	0.314	0.119	0.086	0.382	0.187	0.154	
	Left Tilt		0.184	0.325	0.319	0.316	0.509	0.503	0.500	
	Right Cheek		0.160	0.151	0.083	0.046	0.311	0.243	0.206	
	Right Tilt		0.415	0.167	0.200	0.167	0.582	0.615	0.582	
LTE Band 12 QPSK (10MHz)	Left Cheek	1RB	0.387	0.314	0.119	0.086	0.701	0.506	0.473	
	Left Tilt		0.182	0.325	0.319	0.316	0.507	0.501	0.498	
	Right Cheek		0.486	0.151	0.083	0.046	0.637	0.569	0.532	
	Right Tilt		0.226	0.167	0.200	0.167	0.393	0.426	0.393	
	Left Cheek	50%RB	0.329	0.314	0.119	0.086	0.643	0.448	0.415	
	Left Tilt		0.157	0.325	0.319	0.316	0.482	0.476	0.473	
	Right Cheek		0.404	0.151	0.083	0.046	0.555	0.487	0.450	
	Right Tilt		0.184	0.167	0.200	0.167	0.351	0.384	0.351	
LTE Band 17 QPSK (10MHz)	Left Cheek	1RB	0.533	0.314	0.119	0.086	0.847	0.652	0.619	
	Left Tilt		0.385	0.325	0.319	0.316	0.710	0.704	0.701	
	Right Cheek		0.558	0.151	0.083	0.046	0.709	0.641	0.604	
	Right Tilt		0.401	0.167	0.200	0.167	0.568	0.601	0.568	
	Left Cheek	50%RB	0.440	0.314	0.119	0.086	0.754	0.559	0.526	
	Left Tilt		0.332	0.325	0.319	0.316	0.657	0.651	0.648	
	Right Cheek		0.449	0.151	0.083	0.046	0.600	0.532	0.495	
	Right Tilt		0.328	0.167	0.200	0.167	0.495	0.528	0.495	
LTE Band 38 QPSK (20MHz)	Left Cheek	1RB	0.143	0.314	0.119	0.086	0.457	0.262	0.229	
	Left Tilt		0.185	0.325	0.319	0.316	0.510	0.504	0.501	
	Right Cheek		0.400	0.151	0.083	0.046	0.551	0.483	0.446	
	Right Tilt		0.527	0.167	0.200	0.167	0.694	0.727	0.694	
	Left Cheek	50%RB	0.115	0.314	0.119	0.086	0.429	0.234	0.201	
	Left Tilt		0.161	0.325	0.319	0.316	0.486	0.480	0.477	
	Right Cheek		0.335	0.151	0.083	0.046	0.486	0.418	0.381	
	Right Tilt		0.455	0.167	0.200	0.167	0.622	0.655	0.622	

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)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	WIFI5G band4 SAR 1g(W/kg)	BT SAR 1g(W/kg)				
LTE Band 41 QPSK (20MHz)	Left Cheek	1RB	0.064	0.314	0.119	0.086	0.378	0.183	0.150	1.6
	Left Tilt		0.196	0.325	0.319	0.316	0.521	0.515	0.512	
	Right Cheek		0.159	0.151	0.083	0.046	0.310	0.242	0.205	
	Right Tilt	50%RB	0.488	0.167	0.200	0.167	0.655	0.688	0.655	
	Left Cheek		0.056	0.314	0.119	0.086	0.370	0.175	0.142	
	Left Tilt		0.160	0.325	0.319	0.316	0.485	0.479	0.476	
	Right Cheek		0.135	0.151	0.083	0.046	0.286	0.218	0.181	
LTE Band 66 QPSK (20MHz)	Right Tilt	1RB	0.394	0.167	0.200	0.167	0.561	0.594	0.561	
	Left Cheek		0.104	0.314	0.119	0.086	0.418	0.223	0.190	
	Left Tilt		0.219	0.325	0.319	0.316	0.544	0.538	0.535	
	Right Cheek		0.245	0.151	0.083	0.046	0.396	0.328	0.291	
	Right Tilt	50%RB	0.511	0.167	0.200	0.167	0.678	0.711	0.678	
	Left Cheek		0.091	0.314	0.119	0.086	0.405	0.210	0.177	
	Left Tilt		0.187	0.325	0.319	0.316	0.512	0.506	0.503	
	Right Cheek		0.205	0.151	0.083	0.046	0.356	0.288	0.251	
	Right Tilt		0.424	0.167	0.200	0.167	0.591	0.624	0.591	

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)	WIFI5G Band2 SAR 1g(W/kg)	BT SAR 1g(W/kg)				
GSM850 (GPRS 4slots)	Front	0.387	0.022	0.014	0.023	0.409	0.401	0.410	1.6
	Back	0.449	0.022	0.018	0.028	0.471	0.467	0.477	
	Left	0.967	0.006	0.003	0.001	0.973	0.970	0.968	
	Right	0.035	0.011	0.001	0.046	0.046	0.036	0.081	
	Top	0.024	0.023	0.021	0.016	0.047	0.045	0.040	
	Bottom	0.009	0.001	0.000	0.001	0.010	0.009	0.010	
GSM1900 (GPRS 4slots)	Left	0.837	0.006	0.003	0.001	0.843	0.840	0.838	
	Front	0.272	0.022	0.014	0.023	0.294	0.286	0.295	
	Back	0.443	0.022	0.018	0.028	0.465	0.461	0.471	
	Left	0.134	0.006	0.003	0.001	0.140	0.137	0.135	
	Right	0.078	0.011	0.001	0.046	0.089	0.079	0.124	
	Top	0.842	0.023	0.021	0.016	0.865	0.863	0.858	
WCDMA Band 2	Bottom	0.012	0.001	0.000	0.001	0.013	0.012	0.013	
	Top	0.776	0.023	0.021	0.016	0.799	0.797	0.792	
	Front	0.043	0.022	0.014	0.023	0.065	0.057	0.066	
	Back	0.074	0.022	0.018	0.028	0.096	0.092	0.102	
	Left	0.022	0.006	0.003	0.001	0.028	0.025	0.023	
	Right	0.012	0.011	0.001	0.046	0.023	0.013	0.058	
WCDMA Band 4	Top	0.107	0.023	0.021	0.016	0.130	0.128	0.123	
	Bottom	0.002	0.001	0.000	0.001	0.003	0.002	0.003	
	Front	0.011	0.022	0.014	0.023	0.033	0.025	0.034	
	Back	0.021	0.022	0.018	0.028	0.043	0.039	0.049	
	Left	0.005	0.006	0.003	0.001	0.011	0.008	0.006	
	Right	0.003	0.011	0.001	0.046	0.014	0.004	0.049	
WCDMA Band 5	Top	0.027	0.023	0.021	0.016	0.050	0.048	0.043	
	Bottom	0.000	0.001	0.000	0.001	0.001	0.000	0.001	
	Front	0.175	0.022	0.014	0.023	0.197	0.189	0.198	
	Back	0.215	0.022	0.018	0.028	0.237	0.233	0.243	
	Left	0.463	0.006	0.003	0.001	0.469	0.466	0.464	
	Right	0.016	0.011	0.001	0.046	0.027	0.017	0.062	
	Top	0.012	0.023	0.021	0.016	0.035	0.033	0.028	
	Bottom	0.004	0.001	0.000	0.001	0.005	0.004	0.005	

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)	WIFI5G Band2 SAR 1g(W/kg)	BT SAR 1g(W/kg)				
LTE Band 2	Front	1RB	0.037	0.022	0.014	0.023	0.059	0.051	0.060	1.6
	Back		0.055	0.022	0.018	0.028	0.077	0.073	0.083	
	Left		0.017	0.006	0.003	0.001	0.023	0.020	0.018	
	Right		0.010	0.011	0.001	0.046	0.021	0.011	0.056	
	Top		0.087	0.023	0.021	0.016	0.110	0.108	0.103	
	Bottom		0.002	0.001	0.000	0.001	0.003	0.002	0.003	
	Front	50%RB	0.030	0.022	0.014	0.023	0.052	0.044	0.053	
	Back		0.046	0.022	0.018	0.028	0.068	0.064	0.074	
	Left		0.015	0.006	0.003	0.001	0.021	0.018	0.016	
	Right		0.009	0.011	0.001	0.046	0.020	0.010	0.055	
	Top		0.075	0.023	0.021	0.016	0.098	0.096	0.091	
	Bottom		0.002	0.001	0.000	0.001	0.003	0.002	0.003	
LTE Band 4	Front	1RB	0.039	0.022	0.014	0.023	0.061	0.053	0.062	
	Back		0.064	0.022	0.018	0.028	0.086	0.082	0.092	
	Left		0.019	0.006	0.003	0.001	0.025	0.022	0.020	
	Right		0.011	0.011	0.001	0.046	0.022	0.012	0.057	
	Top		0.101	0.023	0.021	0.016	0.124	0.122	0.117	
	Bottom		0.002	0.001	0.000	0.001	0.003	0.002	0.003	
	Front	50%RB	0.032	0.022	0.014	0.023	0.054	0.046	0.055	
	Back		0.052	0.022	0.018	0.028	0.074	0.070	0.080	
	Left		0.017	0.006	0.003	0.001	0.023	0.020	0.018	
	Right		0.010	0.011	0.001	0.046	0.021	0.011	0.056	
	Top		0.088	0.023	0.021	0.016	0.111	0.109	0.104	
	Bottom		0.002	0.001	0.000	0.001	0.003	0.002	0.003	
LTE Band 5	Front	1RB	0.168	0.022	0.014	0.023	0.190	0.182	0.191	
	Back		0.210	0.022	0.018	0.028	0.232	0.228	0.238	
	Left		0.454	0.006	0.003	0.001	0.460	0.457	0.455	
	Right		0.015	0.011	0.001	0.046	0.026	0.016	0.061	
	Top		0.011	0.023	0.021	0.016	0.034	0.032	0.027	
	Bottom		0.004	0.001	0.000	0.001	0.005	0.004	0.005	
	Front	50%RB	0.141	0.022	0.014	0.023	0.163	0.155	0.164	
	Back		0.174	0.022	0.018	0.028	0.196	0.192	0.202	
	Left		0.366	0.006	0.003	0.001	0.372	0.369	0.367	
	Right		0.013	0.011	0.001	0.046	0.024	0.014	0.059	
	Top		0.008	0.023	0.021	0.016	0.031	0.029	0.024	
	Bottom		0.003	0.001	0.000	0.001	0.004	0.003	0.004	
LTE Band 7	Front	1RB	0.026	0.022	0.014	0.023	0.048	0.040	0.049	
	Back		0.040	0.022	0.018	0.028	0.062	0.058	0.068	
	Left		0.012	0.006	0.003	0.001	0.018	0.015	0.013	
	Right		0.006	0.011	0.001	0.046	0.017	0.007	0.052	
	Top		0.063	0.023	0.021	0.016	0.086	0.084	0.079	
	Bottom		0.001	0.001	0.000	0.001	0.002	0.001	0.002	
	Front	50%RB	0.021	0.022	0.014	0.023	0.043	0.035	0.044	
	Back		0.032	0.022	0.018	0.028	0.054	0.050	0.060	
	Left		0.010	0.006	0.003	0.001	0.016	0.013	0.011	
	Right		0.005	0.011	0.001	0.046	0.016	0.006	0.051	
	Top		0.052	0.023	0.021	0.016	0.075	0.073	0.068	
	Bottom		0.001	0.001	0.000	0.001	0.002	0.001	0.002	
LTE Band 12	Front	1RB	0.320	0.022	0.014	0.023	0.342	0.334	0.343	
	Back		0.414	0.022	0.018	0.028	0.436	0.432	0.442	
	Left		0.848	0.006	0.003	0.001	0.854	0.851	0.849	
	Right		0.031	0.011	0.001	0.046	0.042	0.032	0.077	
	Top		0.021	0.023	0.021	0.016	0.044	0.042	0.037	
	Bottom		0.009	0.001	0.000	0.001	0.010	0.009	0.010	
	Front	50%RB	0.275	0.022	0.014	0.023	0.297	0.289	0.298	
	Back		0.339	0.022	0.018	0.028	0.361	0.357	0.367	
	Left		0.744	0.006	0.003	0.001	0.750	0.747	0.745	
	Right		0.026	0.011	0.001	0.046	0.037	0.027	0.072	
	Top		0.017	0.023	0.021	0.016	0.040	0.038	0.033	
	Bottom		0.008	0.001	0.000	0.001	0.009	0.008	0.009	

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)	WIFI5G Band2 SAR 1g(W/kg)	BT SAR 1g(W/kg)				
LTE Band 17	Front	1RB	0.354	0.022	0.014	0.023	0.376	0.368	0.377	1.6
	Back		0.450	0.022	0.018	0.028	0.472	0.468	0.478	
	Left		0.901	0.006	0.003	0.001	0.907	0.904	0.902	
	Right		0.031	0.011	0.001	0.046	0.042	0.032	0.077	
	Top		0.022	0.023	0.021	0.016	0.045	0.043	0.038	
	Bottom		0.009	0.001	0.000	0.001	0.010	0.009	0.010	
	Left	50%RB	0.878	0.006	0.003	0.001	0.884	0.881	0.879	
	Front		0.308	0.022	0.014	0.023	0.330	0.322	0.331	
	Back		0.377	0.022	0.018	0.028	0.399	0.395	0.405	
	Left		0.774	0.006	0.003	0.001	0.780	0.777	0.775	
	Right		0.027	0.011	0.001	0.046	0.038	0.028	0.073	
	Top		0.018	0.023	0.021	0.016	0.041	0.039	0.034	
LTE Band 38	Bottom	1RB	0.008	0.001	0.000	0.001	0.009	0.008	0.009	
	Front		0.026	0.022	0.014	0.023	0.048	0.040	0.049	
	Back		0.041	0.022	0.018	0.028	0.063	0.059	0.069	
	Left		0.013	0.006	0.003	0.001	0.019	0.016	0.014	
	Right		0.006	0.011	0.001	0.046	0.017	0.007	0.052	
	Top		0.068	0.023	0.021	0.016	0.091	0.089	0.084	
	Bottom	50%RB	0.001	0.001	0.000	0.001	0.002	0.001	0.002	
	Front		0.022	0.022	0.014	0.023	0.044	0.036	0.045	
	Back		0.033	0.022	0.018	0.028	0.055	0.051	0.061	
	Left		0.011	0.006	0.003	0.001	0.017	0.014	0.012	
	Right		0.005	0.011	0.001	0.046	0.016	0.006	0.051	
	Top		0.057	0.023	0.021	0.016	0.080	0.078	0.073	
LTE Band 41	Bottom	1RB	0.001	0.001	0.000	0.001	0.002	0.001	0.002	
	Front		0.033	0.022	0.014	0.023	0.055	0.047	0.056	
	Back		0.051	0.022	0.018	0.028	0.073	0.069	0.079	
	Left		0.015	0.006	0.003	0.001	0.021	0.018	0.016	
	Right		0.009	0.011	0.001	0.046	0.020	0.010	0.055	
	Top		0.081	0.023	0.021	0.016	0.104	0.102	0.097	
	Bottom	50%RB	0.002	0.001	0.000	0.001	0.003	0.002	0.003	
	Front		0.028	0.022	0.014	0.023	0.050	0.042	0.051	
	Back		0.041	0.022	0.018	0.028	0.063	0.059	0.069	
	Left		0.012	0.006	0.003	0.001	0.018	0.015	0.013	
	Right		0.008	0.011	0.001	0.046	0.019	0.009	0.054	
	Top		0.067	0.023	0.021	0.016	0.090	0.088	0.083	
LTE Band 66	Bottom	1RB	0.002	0.001	0.000	0.001	0.003	0.002	0.003	
	Front		0.038	0.022	0.014	0.023	0.060	0.052	0.061	
	Back		0.067	0.022	0.018	0.028	0.089	0.085	0.095	
	Left		0.019	0.006	0.003	0.001	0.025	0.022	0.020	
	Right		0.011	0.011	0.001	0.046	0.022	0.012	0.057	
	Top		0.102	0.023	0.021	0.016	0.125	0.123	0.118	
	Bottom	50%RB	0.001	0.001	0.000	0.001	0.002	0.001	0.002	
	Front		0.033	0.022	0.014	0.023	0.055	0.047	0.056	
	Back		0.057	0.022	0.018	0.028	0.079	0.075	0.085	
	Left		0.016	0.006	0.003	0.001	0.022	0.019	0.017	
	Right		0.010	0.011	0.001	0.046	0.021	0.011	0.056	
	Top		0.087	0.023	0.021	0.016	0.110	0.108	0.103	
LTE Band 66	Bottom	50%RB	0.002	0.001	0.000	0.001	0.003	0.002	0.003	

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(ΔSAR)	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 _{ant}	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						±11.6%	±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	7955	2025-09-30	2026-09-29
☒	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	1924	2025-09-24	2026-09-23
☒	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.)