

FCC SAR EVALUATION REPORT

**In accordance with the requirements of
FCC 47 CFR Part 2(2.1093),ANSI/IEEE C95.1-1992 and
IEEE Std 1528-2013**

Product Name : Rugged Smart Tablet

Trademark : OUKITEL

Model Name : RT3 Plus

Family Model : RT3, RT3 GT, RT3 TITAN

FCC ID : 2ANMU-RT3PLUS

Report No. : S25040807007001

Prepared for

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INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX
China**Product description**

Product name.....: Rugged Smart Tablet

Trademark.....: OUKITEL

Model Name.....: RT3 Plus

Family Model.....: RT3, RT3 GT, RT3 TITAN

FCC 47 CFR Part 2(2.1093);

ANSI/IEEE C95.1-1992

Standards.....: IEEE Std 1528-2013;

Published RF exposure KDB procedures

This device described above has been tested by Shenzhen NTEK. In accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 and KDB 865664 D01. Testing has shown that this device is capable of compliance with localized specific absorption rate (SAR) specified in FCC 47 CFR Part 2(2.1093) and ANSI/IEEE C95.1-1992. The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

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Test Sample Number..... S250408070008

Date of Test

Date (s) of performance of tests.....: Apr. 13, 2024 ~Dec. 09, 2024

Date of Issue.....: Dec. 24, 2024

Test Result.....: **Pass**Prepared By: Owen Xiao
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※ ※ Revision History ※ ※

REV.	DESCRIPTION	ISSUED DATE	REMARK
Rev.1.0	Initial Test Report Release	Dec.24, 2024	Owen Xiao

TABLE OF CONTENTS

1. General Information	6
1.1. RF exposure limits.....	6
1.2. Statement of Compliance	7
1.3. EUT Description	7
1.4. Test specification(s)	9
1.5. Ambient Condition.....	9
2. SAR Measurement System	10
2.1. SATIMO SAR Measurement Set-up Diagram	10
2.2. Robot	11
2.3. E-Field Probe.....	12
2.3.1. E-Field Probe Calibration	12
2.4. SAM phantoms	13
2.4.1. Technical Data	14
2.5. Device Holder	15
2.6. Test Equipment List	16
3. SAR Measurement Procedures	18
3.1. Power Reference	18
3.2. Area scan & Zoom scan.....	18
3.3. Description of interpolation/extrapolation scheme	20
3.4. Volumetric Scan	20
3.5. Power Drift	20
4. System Verification Procedure	21
4.1. Tissue Verification	21
4.1.1. Tissue Dielectric Parameter Check Results	22
4.2. System Verification Procedure	23
4.2.1. System Verification Results.....	24
5. SAR Measurement variability and uncertainty	25
5.1. SAR measurement variability.....	25
5.2. SAR measurement uncertainty	25
6. RF Exposure Positions	26
6.1. Tablet host platform exposure conditions.....	26
7. RF Output Power	27
7.1. GSM Conducted Power	27
7.2. WCDMA Conducted Power	28
7.3. LTE Conducted Power	29
7.4. WLAN & Bluetooth Output Power	54
7.4.1. Output Power Results Of WLAN	54
7.4.2. Output Power Results Of Bluetooth	55
7.5. NFC	56

8. Antenna Location.....	57
9. Stand-alone SAR test exclusion.....	69
10. SAR Results	70
10.1. SAR measurement results.....	70
10.1.1. SAR measurement Result of GSM850.....	70
10.1.2. SAR measurement Result of GSM1900.....	70
10.1.3. SAR measurement Result of WCDMA Band 2.....	71
10.1.4. SAR measurement Result of WCDMA Band 4.....	72
10.1.5. SAR measurement Result of WCDMA Band 5.....	72
10.1.6. SAR measurement Result of LTE Band 2	73
10.1.7. SAR measurement Result of LTE Band 4	74
10.1.8. SAR measurement Result of LTE Band 5	75
10.1.9. SAR measurement Result of LTE Band 7	77
10.1.10. SAR measurement Result of LTE Band 12	78
10.1.11. SAR measurement Result of LTE Band 17	79
10.1.12. SAR measurement Result of LTE Band 25	80
10.1.13. SAR measurement Result of LTE Band 26a	81
10.1.14. SAR measurement Result of LTE Band 26a	82
10.1.15. SAR measurement Result of LTE Band 38	84
10.1.16. SAR measurement Result of LTE Band 41	85
10.1.17. SAR measurement Result of LTE Band 66	86
10.1.18. SAR measurement Result of WLAN 2.4G	87
10.1.19. SAR measurement Result of WLAN 5.2G	88
10.1.20. SAR measurement Result of WLAN 5.8G	88
10.2. SAR Summation Scenario.....	89
11. Appendix A. Photo documentation	90
12. Appendix B. System Check Plots.....	91
13. Appendix C. Plots of High SAR Measurement.....	110
14. Appendix D. Calibration Certificate	151

1. General Information

1.1. RF exposure limits

(A).Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

(B).Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

NOTE: **Whole-Body SAR** is averaged over the entire body, **partial-body SAR** is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. **SAR for hands, wrists, feet and ankles** is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

Occupational/Controlled Environments:

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

General Population/Uncontrolled Environments:

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

NOTE
TRUNK LIMIT
1.6 W/kg
APPLIED TO THIS EUT

1.2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for RT3 Plus are as follows.

RF Exposure Conditions		Equipment Class -Highest Reported SAR (W/kg)			
		PCE	DTS	NII	DSS
1-g Body-Worn (Separation distance of 0mm)		0.663	0.099	0.311	0.167
1-g Hotspot (Separation distance of 0mm)		0.663	0.099	0.538	0.167
Max Simultaneous Tx	Body-Worn	0.896	0.747	0.896	0.830
	Hotspot	0.896	0.747	0.896	0.830

Note: The Max Simultaneous Tx is calculated based on the same configuration and test position. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR Part 2(2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 & KDB 865664 D01.

1.3. EUT Description

Device Information	
Product Name	Rugged Smart Tablet
Trade Name	OUKITEL
Model Name	RT3 Plus
Family Model	RT3, RT3 GT, RT3 TITAN
Model Difference	All models are the same circuit and RF module, except for the color.
FCC ID	2ANMU-RT3PLUS
Device Phase	Identical Prototype
Exposure Category	General population / Uncontrolled environment
Antenna	PIFA Antenna
Battery	DC 3.85V, 11000mAh, 42.35Wh
Hardware version	P593_MAIN_PCB
Software version	V04
Device Operating Configurations	
Supporting Mode(s)	GSM 850/1900, WCDMA Band 2/4/5, LTE Band 2/4/5/7/12/17/25/26/38/41/66, WLAN 2.4G/5G, Bluetooth, NFC
Test Modulation	GSM(GMSK/8PSK), WCDMA(QPSK), LTE(QPSK/16QAM), NFC(ASK), WLAN(DSSS/OFDM), Bluetooth(GFSK, $\pi/4$ -DQPSK, 8DPSK)
Device Class	B

Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM 850	824-849	869-894
	GSM 1900	1850-1910	1930-1990
	WCDMA Band 2	1850-1910	1930-1990
	WCDMA Band 4	1710-1755	2110-2155
	WCDMA Band 5	824-849	869-894
	LTE Band 2	1850-1910	1930-1990
	LTE Band 4	1710-1755	2110-2155
	LTE Band 5	824-849	869-894
	LTE Band 7	2500-2570	2620-2690
	LTE Band 12	699-716	729-746
	LTE Band 17	704-716	734-746
	LTE Band 25	1850-1915	1930-1995
	LTE Band 26a	814-824	859-869
	LTE Band 26b	824-849	869-894
	LTE Band 38	2570-2620	
	LTE Band 41	2535-2655	
	LTE Band 66	1710-1780	2110-2200
	WLAN 2.4G	2412-2462	
	WLAN 5.2G	5180-5240	
	WLAN 5.8G	5745-5825	
	Bluetooth	2402-2480	
	NFC	13.56-13.56	
GPRSMultislot Class(12)	Max Number of Timeslots in Uplink		4
	Max Number of Timeslots in Downlink		4
	Max Total Timeslot		5
EGPRS Multislot Class(12)	Max Number of Timeslots in Uplink		4
	Max Number of Timeslots in Downlink		4
	Max Total Timeslot		5
Power Class	4, tested with power level 5(GSM850)		
	1, tested with power level 0(GSM1900)		
	3, tested with power control "all 1"(WCDMA Band 2)		
	3, tested with power control "all 1"(WCDMA Band 4)		
	3, tested with power control "all 1"(WCDMA Band 5)		
	3, tested with power control all Max.(LTE Band 2)		
	3, tested with power control all Max.(LTE Band 4)		
	3, tested with power control all Max.(LTE Band 5)		
	3, tested with power control all Max.(LTE Band 7)		
	3, tested with power control all Max.(LTE Band 12)		

	3, tested with power control all Max.(LTE Band 17)
	3, tested with power control all Max.(LTE Band 25)
	3, tested with power control all Max.(LTE Band 26)
	3, tested with power control all Max.(LTE Band 38)
	3, tested with power control all Max.(LTE Band 41)
	3, tested with power control all Max.(LTE Band 66)

1.4. Test specification(s)

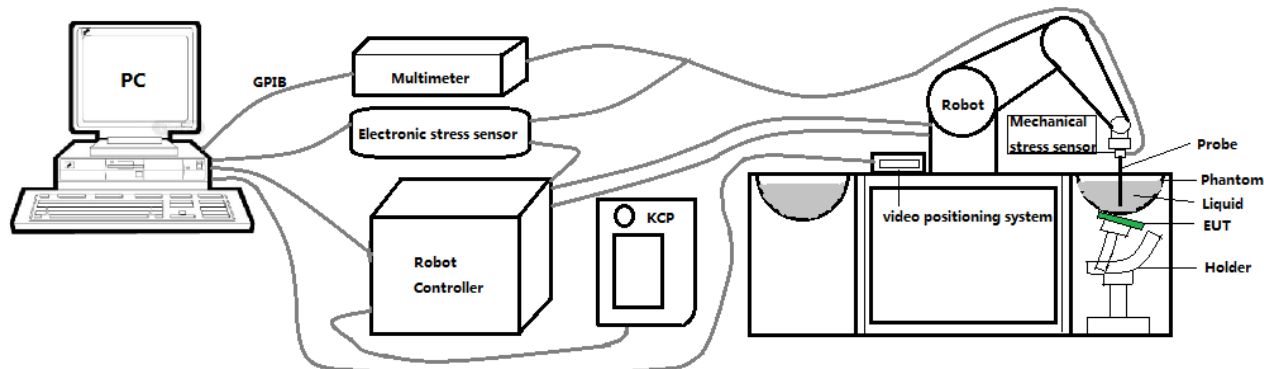
FCC 47 CFR Part 2(2.1093)
ANSI/IEEE C95.1-1992
IEEE Std 1528-2013
KDB 865664 D01 SAR measurement 100 MHz to 6 GHzv01r04;
KDB 865664 D02 RF Exposure Reportingv01r02;
KDB 447498 D01 General RF Exposure Guidancev06;
KDB 248227 D01 802.11 Wi-Fi SARv02r02;
KDB 941225 D01 3G SAR Proceduresv02r01;
KDB 941225 D05 SAR for LTE Devicesv01r02;
KDB 616217 D04 SAR for laptop and tabletsv01r02

1.5. Ambient Condition

Ambient temperature	20°C – 24°C
Relative Humidity	30% – 70%

2. SAR Measurement System

2.1. SATIMO SAR Measurement Set-up Diagram



These measurements were performed with the automated near-field scanning system OPENSAR from SATIMO. The system is based on a high precision robot (working range: 901 mm), which positions the probes with a positional repeatability of better than $\pm 0.03\text{mm}$. The SAR measurements were conducted with dosimetric probe (manufactured by SATIMO), designed in the classical triangular configuration and optimized for dosimetric evaluation.

The first step of the field measurement is the evaluation of the voltages induced on the probe by the device under test. Probe diode detectors are nonlinear. Below the diode compression point, the output voltage is proportional to the square of the applied E-field; above the diode compression point, it is linear to the applied E-field. The compression point depends on the diode, and a calibration procedure is necessary for each sensor of the probe.

The Keithley multimeter reads the voltage of each sensor and send these three values to the PC. The corresponding E field value is calculated using the probe calibration factors, which are stored in the working directory. This evaluation includes linearization of the diode characteristics. The field calculation is done separately for each sensor. Each component of the E field is displayed on the "Dipole Area Scan Interface" and the total E field is displayed on the "3D Interface"

2.2. Robot

The SATIMO SAR system uses the high precision robots from KUKA. For the 6-axis controller system, the robotcontroller version (KUKA) from KUKA is used. The KUKA robot series have many features that are important for our application:



- High precision (repeatability ± 0.03 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)

2.3. E-Field Probe

This E-field detection probe is composed of three orthogonal dipoles linked to special Schottky diodes with low detection thresholds. The probe allows the measurement of electric fields in liquids such as the one defined in the IEEE and CENELEC standards.

For the measurements the Specific Dosimetric E-Field Probe 4024-EPGO-442 with following specifications is used



- Dynamic range: 0.01-100 W/kg
 - TipDiameter : 2.5 mm
 - Distance between probe tip and sensor center: 1 mm
 - Distance between sensor center and the inner phantom surface: 2 mm (repeatability better than ± 1 mm).
 - Probe linearity: ± 0.08 dB
 - Axial isotropy: ± 0.01 dB
 - Hemispherical Isotropy: ± 0.01 dB
 - Calibration range: 650MHz to 5900MHz for head & body simulating liquid.
 - Lowerdetection limit: 8mW/kg
- Angle between probe axis (evaluation axis) and surface normal line: less than 30° .

2.3.1. E-Field Probe Calibration

Each probe needs to be calibrated according to a dosimetric assessment procedure with accuracy better than $\pm 10\%$. The spherical isotropy shall be evaluated and within ± 0.25 dB. The sensitivity parameters (NormX, NormY, and NormZ), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe are tested. The calibration data can be referred to appendix D of this report.

2.4. SAM phantoms

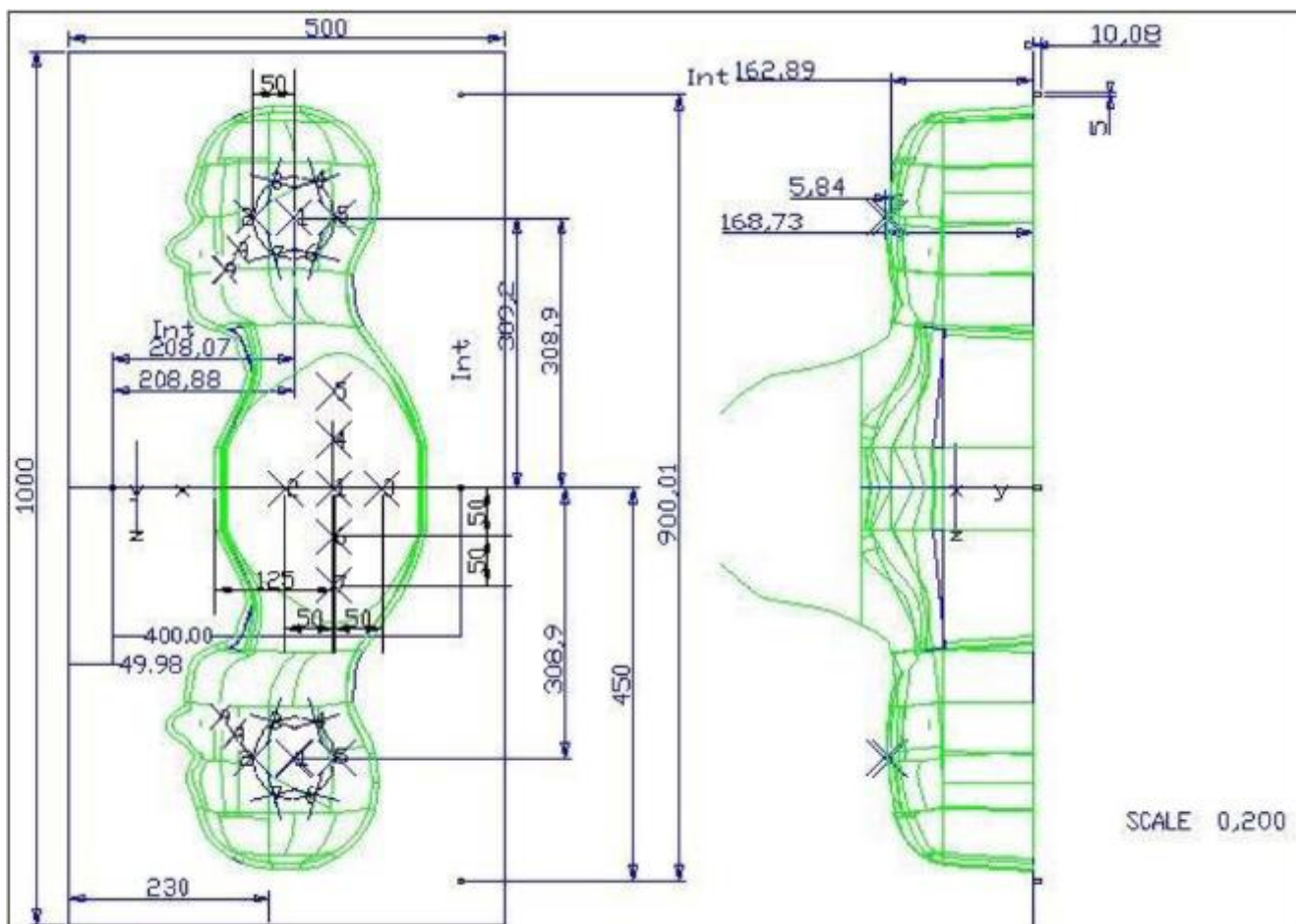
Photo of SAM phantom SN 16/15 SAM119



The SAM phantom is used to measure the SAR relative to people exposed to electro-magnetic field radiated by mobile phones.

2.4.1. Technical Data

Serial Number	Shell thickness	Filling volume	Dimensions	Positionner Material	Permittivity	Loss Tangent
SN 16/15 SAM119	2 mm ±0.2 mm	27 liters	Length:1000 mm Width:500 mm Height:200 mm	Gelcoat with fiberglass	3.4	0.02

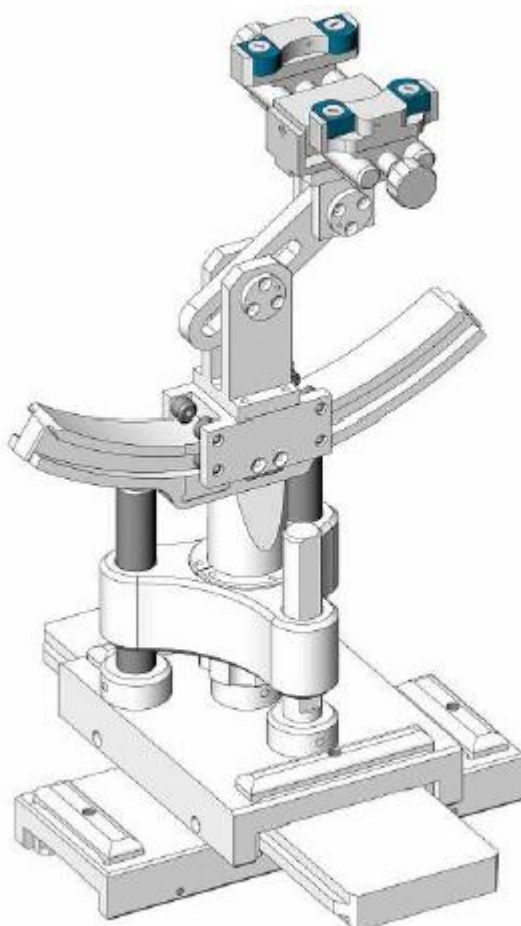


Serial Number	Left Head(mm)		Right Head(mm)		Flat Part(mm)	
SN 16/15 SAM119	2	2.02	2	2.08	1	2.09
	3	2.05	3	2.06	2	2.06
	4	2.07	4	2.07	3	2.08
	5	2.08	5	2.08	4	2.10
	6	2.05	6	2.07	5	2.10
	7	2.05	7	2.05	6	2.07
	8	2.07	8	2.06	7	2.07
	9	2.08	9	2.06	-	-

The test, based on ultrasonic system, allows measuring the thickness with an accuracy of 10 μm .

2.5. 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 degree.



Serial Number	Holder Material	Permittivity	Loss Tangent
SN 16/15 MSH100	Delrin	3.7	0.005

2.6. Test Equipment List

This table gives a complete overview of the SAR measurement equipment.

Devices used during the test described are marked ☒

	Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
					Last Cal.	Due Date
☒	MVG	E FIELD PROBE	SSE2	4024-EPGO-442	Oct.4.2024	Oct.3.2025
☒	MVG	750 MHz Dipole	SID750	SN 03/15 DIP 0G750-355	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	835 MHz Dipole	SID835	SN 03/15 DIP 0G835-347	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	900 MHz Dipole	SID900	SN 03/15 DIP 0G900-348	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	1800 MHz Dipole	SID1800	SN 03/15 DIP 1G800-349	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	1900 MHz Dipole	SID1900	SN 03/15 DIP 1G900-350	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	2000 MHz Dipole	SID2000	SN 03/15 DIP 2G000-351	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	2450 MHz Dipole	SID2450	SN 03/15 DIP 2G450-352	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	2600 MHz Dipole	SID2600	SN 03/15 DIP 2G600-356	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	3500 MHz Dipole	SID3500	SN 09/12 DIP 3G500-360	Oct. 15, 2022	Oct. 14, 2025
☐	MVG	3700 MHz Dipole	SID3700	SN 09/12 DIP 3G700-361	Oct. 15, 2022	Oct. 14, 2025
☐	MVG	5000 MHz Dipole	SWG5500	SN 13/14 WGA 33	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	Liquid measurement Kit	SCLMP	SN 21/15 OCPG 72	NCR	NCR
☒	MVG	Power Amplifier	N/A	AMPLISAR_28/14_003	NCR	NCR
☒	KEITHLEY	Millivoltmeter	2000	4072790	Nov. 29, 2024	Nov. 28, 2025
☒	R&S	Universal radio communication tester	CMU200	105747	Apr. 17, 2025	Apr. 16, 2026
☒	R&S	Wideband radio	CMW500	103917	May. 12,	May. 11,

		communicationtest er			2025	2026
☐	Anritsu	4G LTE comprehensive tester	MT8821C	6262192315	July.17 2024	July.16 2025
☐	Anritsu	5G NR comprehensive tester	MT8000A	6262186364	July.17 2024	July.16 2025
☒	HP	Network Analyzer	E5071C	LPS-461	Oct. 15, 2024	Oct. 14, 2025
☒	Agilent	Calibration Kit	85033E	N/A	May. 31, 2024	May. 30, 2027
☒	Agilent	MXG Vector Signal Generator	N5182A	MY47070317	Apr. 17, 2025	Apr. 16, 2026
☒	Agilent	Power sensor	E9301A	LES-413-C	May. 6, 2025	May. 5, 2026
☒	Agilent	Power sensor	E9301A	US39212148	Apr. 17, 2025	Apr. 16, 2026
☒	MCLI/USA	Directional Coupler	CB11-20	0D2L51502	Apr. 26, 2024	Apr. 25, 2027
☒	N/A	Thermometer	N/A	LES-085	Mar. 27, 2023	Mar. 26, 2026
☒	MVG	SAM Phantom	SSM2	SN 16/15 SAM119	NCR	NCR
☒	MVG	Device Holder	SMPPD	SN 16/15 MSH100	NCR	NCR

Measurement Software

Manufacturer	Software Name	Software Version
SATIMO	OpenSAR	V5.3.15.11

3. SAR Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

- (a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- (b) Read the WWAN RF power level from the base station simulator.
- (c) For WLAN/Bluetooth power measurement, use engineering software to configure EUT WLAN/Bluetooth continuously transmission, at maximum RF power in each supported wireless interface and frequency band.
- (d) Connect EUT RF port through RF cable to the power meter, and measure WLAN/Bluetooth output power.

<SAR measurement>

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/Bluetooth continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix A demonstrates.
- (c) Set scan area, grid size and other setting on the OPENSAR software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band.
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg.

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

3.1. Power Reference

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

3.2. Area scan & Zoom scan

The area scan is a 2D scan to find the hot spot location on the DUT. The zoom scan is a 3D scan above the hot spot to calculate the 1g and 10g SAR value.

Measurement of the SAR distribution with a grid of 8 to 16 mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8 * 4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

From the scanned SAR distribution, identify the position of the maximum SAR value, in addition identify the positions of any local maxima with SAR values within 2 dB of the maximum value that will not be within the zoom scan of other peaks; additional peaks shall be measured only when the primary peak is within 2 dB of the SAR compliance limit (e.g., 1 W/kg for 1.6 W/kg 1 g limit, or 1.26 W/kg for 2 W/kg, 10 g limit).

Area scan & Zoom scan scan parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$			$\leq 2 \text{ GHz: } \leq 15 \text{ mm}$ $2 - 3 \text{ GHz: } \leq 12 \text{ mm}$	$3 - 4 \text{ GHz: } \leq 12 \text{ mm}$ $4 - 6 \text{ GHz: } \leq 10 \text{ mm}$
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			$\leq 2 \text{ GHz: } \leq 8 \text{ mm}$ $2 - 3 \text{ GHz: } \leq 5 \text{ mm}^*$	$3 - 4 \text{ GHz: } \leq 5 \text{ mm}^*$ $4 - 6 \text{ GHz: } \leq 4 \text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		≤ 5 mm	$3 - 4 \text{ GHz: } \leq 4 \text{ mm}$ $4 - 5 \text{ GHz: } \leq 3 \text{ mm}$ $5 - 6 \text{ GHz: } \leq 2 \text{ mm}$
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	$3 - 4 \text{ GHz: } \leq 3 \text{ mm}$ $4 - 5 \text{ GHz: } \leq 2.5 \text{ mm}$ $5 - 6 \text{ GHz: } \leq 2 \text{ mm}$
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	$3 - 4 \text{ GHz: } \geq 28 \text{ mm}$ $4 - 5 \text{ GHz: } \geq 25 \text{ mm}$ $5 - 6 \text{ GHz: } \geq 22 \text{ mm}$

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

* When zoom scan is required and the reported SAR from the area scan based 1-g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

3.3. Description of interpolation/extrapolation scheme

The local SAR inside the phantom is measured using small dipole sensing elements inside a probe body. The probe tip must not be in contact with the phantom surface in order to minimise measurements errors, but the highest local SAR will occur at the surface of the phantom.

An extrapolation is used to determine these highest local SAR values. The extrapolation is based on a fourth-order least-square polynomial fit of measured data. The local SAR value is then extrapolated from the liquid surface with a 1 mm step.

The measurements have to be performed over a limited time (due to the duration of the battery) so the step of measurement is high. It could vary between 5 and 8 mm. To obtain an accurate assessment of the maximum SAR averaged over 10 grams and 1 gram requires a very fine resolution in the three dimensional scanned data array.

3.4. Volumetric Scan

The volumetric scan consists of a full 3D scan over a specific area. This 3D scan is useful for multi Tx SAR measurement. Indeed, it is possible with OpenSAR to add, point by point, several volumetric scans to calculate the SAR value of the combined measurement as it is defined in the standard IEEE1528 and IEC62209.

3.5. Power Drift

All SAR testing is under the EUT installed with full charged battery and transmit maximum output power. In OpenSAR measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in V/m. If the power drifts more than $\pm 5\%$, the SAR will be retested.

4. System Verification Procedure

4.1. Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

Ingredients (% of weight)	Head Tissue								
Frequency Band (MHz)	750	835	900	1800	1900	2000	2450	2600	5000
Water	34.40	34.40	34.40	55.36	55.36	71.88	71.88	71.88	65.53
NaCl	0.79	0.79	0.79	0.35	0.35	0.16	0.16	0.16	0.00
1,2-Propanediol	64.81	64.81	64.81	0.00	0.00	0.00	0.00	0.00	0.00
Triton X-100	0.00	0.00	0.00	30.45	30.45	19.97	19.97	19.97	17.24
DGBE	0.00	0.00	0.00	13.84	13.84	7.99	7.99	7.99	0.00

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 depth from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm.

Photo of Liquid depth for Head Position	Photo of Liquid depth for Body Position
	

4.1.1. Tissue Dielectric Parameter Check Results

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.

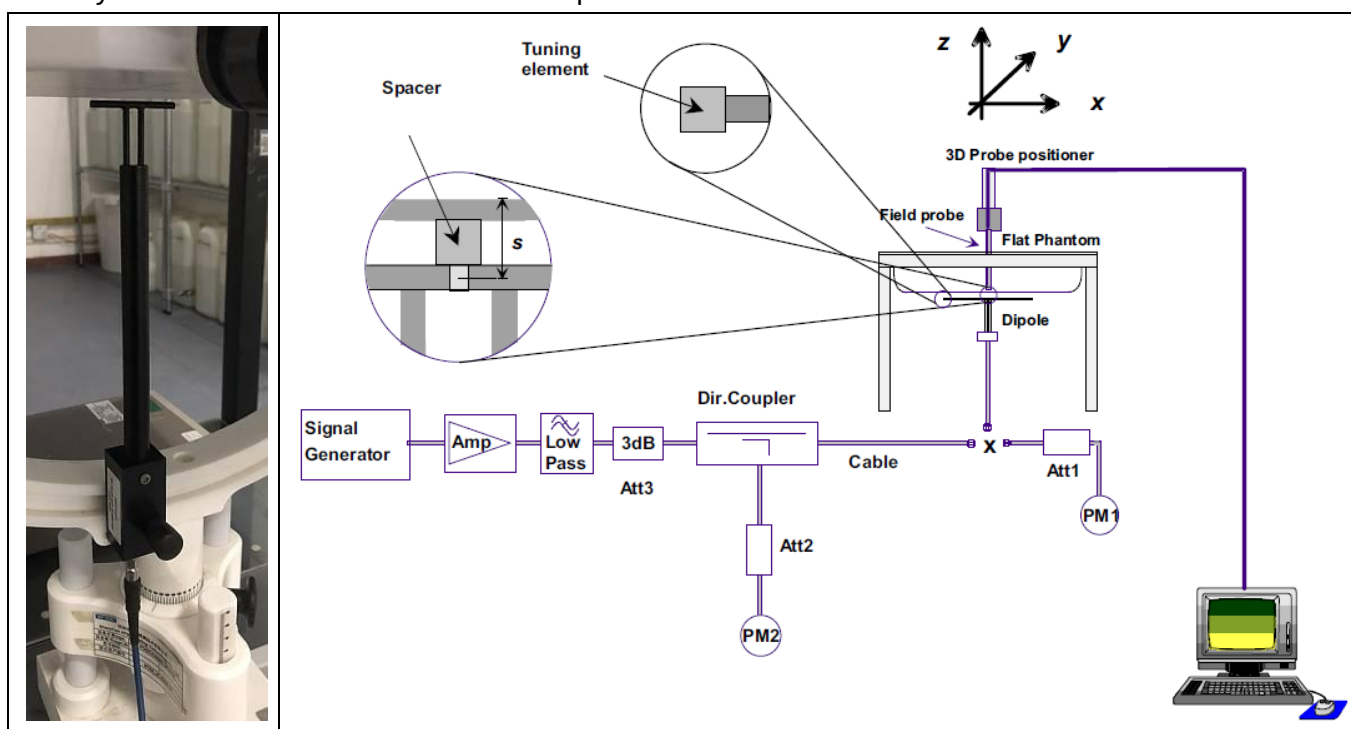
Tissue Type	Measured Frequency (MHz)	Target Tissue		Measured Tissue		Delta(%)		Liquid Temp.	Test Date
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)		
Head 750	750	41.90	0.89	41.05	0.89	-2.04	-0.45	21.5 °C	Apr. 25, 2025
Head 835	835	41.50	0.90	42.54	0.94	2.51	3.89	21.6 °C	Apr. 29, 2025
Head 1800	1800	40.00	1.40	40.06	1.43	0.14	2.29	21.4 °C	Apr. 27, 2025
Head 1900	1900	40.00	1.40	38.78	1.46	-3.06	4.29	21.4 °C	Apr. 28, 2025
Head 1900	1900	40.00	1.40	38.58	1.46	-3.56	4.36	21.6 °C	Apr. 30, 2025
Head 2450	2450	39.20	1.80	38.46	1.79	-1.90	-0.72	21.6 °C	May. 02, 2025
Head 2600	2600	39.01	1.96	39.48	1.98	1.20	0.97	21.8 °C	May. 01, 2025
Head 5200	5200	36.00	4.66	34.90	4.62	-3.07	-0.97	21.5 °C	Apr. 13, 2025
Head 5800	5800	35.30	5.27	36.07	5.10	2.19	-3.26	21.4 °C	May. 03, 2025

NOTE: The dielectric parameters of the tissue-equivalent liquid should be measured under similar ambient conditions and within 2 °C of the conditions expected during the SAR evaluation to satisfy protocol requirements.

4.2. System Verification Procedure

The system verification is performed for verifying the accuracy of the complete measurement system and performance of the software. 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. To adjust this power a power meter is used. The power sensor is connected to the cable before the system verification 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 system verification 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).

The system verification is shown as below picture:



4.2.1. System Verification Results

Comparing to the original SAR value provided by SATIMO, the verification data should be within its specification of $\pm 10\%$. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance verification can meet the variation criterion and the plots can be referred to Appendix B of this report.

System Verification	Target SAR (1W)		Measured SAR			Measured SAR		Delta (%)		Liquid Temp.	Test Date
						(Normalized to 1W)					
	1-g (W/Kg)	10-g (W/Kg)	Input Power (mW)	1-g (W/Kg)	10-g (W/Kg)	1-g (W/Kg)	10-g (W/Kg)	1-g (%)	10-g (%)		
750MHz	8.60	5.78	100.00	0.830	0.578	8.30	5.78	-3.49	0.00	21.5 °C	Apr. 25, 2025
835MHz	9.40	6.28	100.00	0.942	0.566	9.42	5.66	0.21	-9.87	21.6 °C	Apr. 29, 2025
1800MHz	37.06	20.01	100.00	4.035	1.983	40.35	19.83	8.88	-0.90	21.4 °C	Apr. 27, 2025
1900MHz	39.69	20.92	100.00	4.006	1.971	40.06	19.71	0.93	-5.78	21.4 °C	Apr. 28, 2025
1900MHz	39.69	20.92	100.00	3.998	1.969	39.98	19.69	0.73	-5.88	21.6 °C	Apr. 30, 2025
2450MHz	50.05	23.80	100.00	5.062	2.184	50.62	21.84	1.14	-8.24	21.6 °C	May. 02, 2025
2600MHz	54.16	24.85	100.00	5.415	2.348	54.15	23.48	-0.02	-5.51	21.8 °C	May. 01, 2025
5200MHz	162.59	56.21	10.00	1.573	0.527	157.30	52.70	-3.25	-6.24	21.5 °C	Apr. 13, 2025
5800MHz	182.20	61.32	10.00	1.660	0.566	166.00	56.60	-8.89	-7.70	21.4 °C	May. 03, 2025

5. SAR Measurement variability and uncertainty

5.1. SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

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

5.2. SAR measurement uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

6. RF Exposure Positions

6.1. Tablet host platform exposure conditions

Refer to KDB616217 D04, when the modular approach is used, transmitters and modules must be initially tested for standalone operations in generic host conditions according to the following minimum test separation distance and antenna installation requirements for incorporation in the tablet platform. The separation distance required for incorporation in qualified hosts is described in KDB 447498; item 5) of section 4.1 and item 1) of section 5.2.2 etc.

- ≤ 5 mm between the antenna and user for both back surface and edge exposure conditions
- the antennas used by the host must have been tested for equipment approval or qualify for SAR test exclusion
- the antenna polarization, physical orientation, rotation and installation configurations used by the host must have been tested for compliance or qualify for test exclusion
- when the *SAR Test Exclusion Threshold* in KDB 447498 applies, a *test separation distance* of 5 mm is required to determine test exclusion for the tablet platform

The antennas embedded in tablets are typically ≤ 5 mm from the outer housing. The required antenna to user test separation distance is a “not to exceed test” distance required to apply the modular approach. Instead of the typical zero gap tablet edge test requirement between the edge of a tablet and the user, when an antenna has been tested at ≤ 5 mm according to the modular approach it can be incorporated into tablets with at least twice the tested distance from the outer housing of the tablet edge; otherwise, the tablet edge zero gap test requirement applies. When the dedicated host approach is applied, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom.

7. RF Output Power

7.1. GSM Conducted Power

Band GSM850	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	128	189	251	Tune-up (dBm)	128	189	251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM (GMSK)	33.00	32.78	32.75	32.74	23.97	23.75	23.72	23.71
GPRS(GMSK, 1 TS)	33.00	32.72	32.70	32.68	23.97	23.69	23.67	23.65
GPRS(GMSK, 2 TS)	32.00	31.75	31.76	31.75	25.98	25.73	25.74	25.73
GPRS(GMSK, 3 TS)	31.00	30.73	29.75	29.76	26.74	26.47	25.49	25.50
GPRS(GMSK, 4 TS)	29.00	28.57	28.62	28.65	25.99	25.56	25.61	25.64
EGPRS(8PSK, 1 TS)	33.00	32.73	32.72	32.70	23.97	23.70	23.69	23.67
EGPRS(8PSK, 2 TS)	32.00	31.76	31.77	31.74	25.98	25.74	25.75	25.72
EGPRS(8PSK, 3 TS)	30.00	29.73	29.75	29.77	25.74	25.47	25.49	25.51
EGPRS(8PSK, 4 TS)	29.00	28.56	28.63	28.67	25.99	25.55	25.62	25.66
Band GSM1900	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	512	661	810	Tune-up (dBm)	512	661	810
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8
GSM (GMSK)	30.50	30.00	30.06	29.88	21.47	20.97	21.03	20.85
GPRS(GMSK, 1 TS)	30.50	29.94	30.02	29.82	21.47	20.91	20.99	20.79
GPRS(GMSK, 2 TS)	29.00	28.75	28.85	28.70	22.98	22.73	22.83	22.68
GPRS(GMSK, 3 TS)	27.00	26.49	26.66	26.65	22.74	22.23	22.40	22.39
GPRS(GMSK, 4 TS)	26.00	25.69	25.86	25.86	22.99	22.68	22.85	22.85
EGPRS(8PSK, 1 TS)	30.50	29.98	30.04	29.86	21.47	20.95	21.01	20.83
EGPRS(8PSK, 2 TS)	29.00	28.78	28.90	28.74	22.98	22.76	22.88	22.72
EGPRS(8PSK, 3 TS)	27.00	26.52	26.69	26.69	22.74	22.26	22.43	22.43
EGPRS(8PSK, 4 TS)	26.00	25.75	25.90	25.89	22.99	22.74	22.89	22.88

Note: The frame-averaged power is linearly scaled the maximum burst averaged power over 8 time slots. The calculated method are shown as below:

Frame-averaged power = Maximum burst averaged power (1 Tx Slot) - 9.03 dB

Frame-averaged power = Maximum burst averaged power (2 Tx Slots) - 6.02 dB

Frame-averaged power = Maximum burst averaged power (3 Tx Slots) - 4.26 dB

Frame-averaged power = Maximum burst averaged power (4 Tx Slots) - 3.01 dB

7.2. WCDMA Conducted Power

WCDMA Band 2		Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	9262	9400	9538	
Frequency (MHz)		1852.4	1880	1907.6	
RMC12.2K	22.50	22.12	22.26	22.19	
HSDPA Sub 1	21.50	21.23	21.38	21.23	
HSDPA Sub 2	21.00	20.80	20.77	20.80	
HSDPA Sub 3	20.00	19.41	19.98	19.63	
HSDPA Sub 4	20.00	19.74	19.64	19.67	
HSUPA Sub 1	21.50	19.72	21.12	21.05	
HSUPA Sub 2	21.50	21.01	21.13	21.11	
HSUPA Sub 3	20.50	19.33	20.13	19.91	
HSUPA Sub 4	21.50	21.12	21.29	21.20	
HSUPA Sub 5	20.50	19.52	20.49	20.49	
WCDMA Band 4		Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	1312	1413	1513	
Frequency (MHz)		1712.4	1732.6	1752.6	
RMC12.2K	21.50	21.33	21.24	21.25	
HSDPA Sub 1	20.50	20.36	20.26	20.26	
HSDPA Sub 2	20.00	20.00	19.80	19.83	
HSDPA Sub 3	19.50	19.03	18.71	18.92	
HSDPA Sub 4	19.00	18.86	18.64	18.85	
HSUPA Sub 1	20.50	19.21	20.06	20.06	
HSUPA Sub 2	20.50	20.20	20.07	20.10	
HSUPA Sub 3	19.50	18.64	18.90	19.14	
HSUPA Sub 4	20.50	20.33	20.23	20.30	
HSUPA Sub 5	20.00	18.88	19.58	19.62	
WCDMA Band 5		Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	4132	4182	4233	
Frequency (MHz)		826.4	836.4	846.6	
RMC12.2K	23.00	22.77	22.81	22.88	
HSDPA Sub 1	22.00	21.83	21.91	21.95	
HSDPA Sub 2	21.50	21.28	21.38	21.27	
HSDPA Sub 3	21.00	20.13	20.50	20.11	
HSDPA Sub 4	21.00	20.26	20.49	20.53	
HSUPA Sub 1	22.00	20.37	21.67	21.66	

HSUPA Sub 2	22.00	21.63	21.75	21.83
HSUPA Sub 3	21.00	19.89	20.69	20.70
HSUPA Sub 4	22.00	21.82	21.89	21.90
HSUPA Sub 5	21.50	20.23	21.17	21.21

7.3. LTEConducted Power

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18607/1850.7	18900/1880	19193/1909.3
LTE Band 2	1.4MHz	QPSK	1	0	23.00	22.43	22.49	22.59
			1	2	23.00	22.56	22.65	22.71
			1	5	23.00	22.41	22.50	22.61
			3	0	23.00	22.49	22.58	22.67
			3	1	23.00	22.54	22.57	22.69
			3	2	23.00	22.52	22.59	22.68
			6	0	22.00	21.48	21.58	21.67
		16QAM	1	0	22.50	21.79	21.74	21.82
			1	2	22.50	21.89	22.00	22.03
			1	5	22.50	21.75	21.78	21.75
			3	0	22.00	21.51	21.62	21.62
			3	1	22.00	21.49	21.57	21.76
			3	2	22.00	21.53	21.59	21.69
			6	0	21.00	20.61	20.73	20.79
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18615/1851.5	18900/1880	19185/1908.5
LTE Band 2	3MHz	QPSK	1	0	23.00	22.49	22.64	22.71
			1	7	23.00	22.50	22.60	22.73
			1	14	23.00	22.46	22.61	22.72
			8	0	22.00	21.53	21.64	21.71
			8	4	22.00	21.54	21.68	21.76
			8	7	22.00	21.52	21.62	21.74
			15	0	22.00	21.51	21.61	21.73
		16QAM	1	0	22.50	21.83	21.89	21.94
			1	7	22.50	21.78	21.86	22.05
			1	14	22.50	21.73	21.78	21.88
			8	0	21.00	20.63	20.72	20.83
			8	4	21.00	20.64	20.75	20.85
			8	7	21.00	20.61	20.74	20.82

			15	0	21.00	20.56	20.65	20.75
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18625/1852.5	18900/1880	19175/1907.5
LTE Band 2	5MHz	QPSK	1	0	23.00	22.33	22.45	22.51
			1	12	23.00	22.42	22.56	22.65
			1	24	23.00	22.26	22.43	22.54
			12	0	22.00	21.42	21.53	21.60
			12	6	22.00	21.46	21.60	21.70
			12	11	22.00	21.36	21.53	21.65
			25	0	22.00	21.40	21.54	21.64
		16QAM	1	0	22.00	21.64	21.79	21.75
			1	12	22.00	21.75	21.89	21.87
			1	24	22.00	21.61	21.64	21.84
			12	0	21.00	20.43	20.55	20.63
			12	6	21.00	20.50	20.63	20.72
			12	11	21.00	20.42	20.58	20.67
			25	0	21.00	20.45	20.58	20.68
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18650/1855	18900/1880	19150/1905
LTE Band 2	10MHz	QPSK	1	0	23.00	22.39	22.46	22.55
			1	24	23.00	22.42	22.57	22.37
			1	49	23.00	22.28	22.47	22.53
			25	0	22.00	21.48	21.57	21.54
			25	12	22.00	21.45	21.60	21.44
			25	24	22.00	21.41	21.62	21.37
			50	0	22.00	21.43	21.57	21.33
		16QAM	1	0	22.00	21.75	21.87	21.43
			1	24	22.00	21.76	21.95	21.68
			1	49	22.00	21.50	21.66	21.50
			25	0	21.00	20.49	20.62	20.24
			25	12	21.00	20.51	20.67	20.28
			25	24	21.00	20.45	20.67	20.35
			50	0	21.00	20.49	20.63	20.28
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18675/1857.5	18900/1880	19125/1902.5
LTE	15MHz	QPSK	1	0	22.50	21.77	22.26	22.03

Band 2			1	37	22.50	21.90	22.09	22.12
			1	74	22.50	21.96	22.01	22.06
			36	0	22.00	21.16	21.46	21.39
			36	18	22.00	21.35	21.55	21.59
			36	37	22.00	21.29	21.54	21.26
			75	0	22.00	21.33	21.54	21.30
		16QAM	1	0	22.00	21.57	21.54	21.28
			1	37	22.00	21.56	21.68	21.48
			1	74	22.00	21.47	21.34	21.28
			36	0	21.00	20.38	20.49	20.30
			36	18	21.00	20.37	20.58	20.34
			36	37	21.00	20.34	20.55	20.20
			75	0	21.00	20.35	20.56	20.24
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18700/1860	18900/1880	19100/1900
LTE Band 2	20MHz	QPSK	1	0	22.50	21.61	21.79	22.10
			1	49	22.50	21.87	22.12	22.27
			1	99	22.50	21.59	21.68	21.85
			50	0	22.00	20.90	21.17	21.43
			50	24	22.00	21.20	21.51	21.41
			50	49	22.00	21.12	21.65	21.20
			100	0	22.00	21.28	21.57	21.30
		16QAM	1	0	22.00	21.13	21.39	21.19
			1	49	22.00	21.15	21.50	21.48
			1	99	22.00	21.07	21.13	21.20
			50	0	21.00	19.99	20.32	20.47
			50	24	21.00	20.45	20.58	20.36
			50	49	21.00	20.30	20.66	20.32
			100	0	21.00	20.33	20.61	20.37

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		19957/1710.7	20175/1732.5	20393/1754.3
LTE Band 4	1.4MHz	QPSK	1	0	22.00	21.46	21.29	21.21
			1	2	22.00	21.59	21.39	21.35
			1	5	22.00	21.49	21.29	21.24
			3	0	22.00	21.56	21.36	21.29

			16QAM	3	1	22.00	21.59	21.38	21.31
				3	2	22.00	21.55	21.37	21.26
				6	0	22.00	21.57	21.35	21.30
				1	0	22.00	21.71	21.53	21.47
				1	2	22.00	21.86	21.62	21.56
				1	5	22.00	21.85	21.65	21.57
				3	0	22.00	21.59	21.32	21.28
				3	1	22.00	21.55	21.39	21.25
				3	2	22.00	21.52	21.31	21.33
				6	0	21.00	20.69	20.51	20.43
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		19965/1711.5	20175/1732.5	20385/1753.5	
LTE Band 4	3MHz	QPSK	1	0	23.00	22.54	22.41	22.33	
			1	7	23.00	22.58	22.40	22.32	
			1	14	23.00	22.58	22.40	22.32	
			8	0	22.00	21.63	21.41	21.36	
			8	4	22.00	21.66	21.44	21.40	
			8	7	22.00	21.62	21.42	21.37	
			15	0	22.00	21.64	21.43	21.36	
		16QAM	1	0	22.00	21.79	21.75	21.54	
			1	7	22.00	21.95	21.66	21.65	
			1	14	22.00	21.83	21.74	21.65	
			8	0	21.00	20.68	20.56	20.49	
			8	4	21.00	20.75	20.57	20.50	
			8	7	21.00	20.70	20.52	20.46	
			15	0	21.00	20.67	20.47	20.43	
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		19975/1712.5	20175/1732.5	20375/1752.5	
LTE Band 4	5MHz	QPSK	1	0	23.00	22.42	22.17	21.92	
			1	12	23.00	22.52	22.05	22.09	
			1	24	23.00	22.23	22.04	22.05	
			12	0	21.50	21.32	21.09	21.13	
			12	6	21.50	21.41	21.30	21.31	
			12	11	21.50	21.43	21.24	21.24	
			25	0	21.50	21.47	21.10	21.23	

			16QAM	1	0	22.00	21.34	21.18	21.43
				1	12	22.00	21.58	21.30	21.51
				1	24	22.00	21.47	21.07	21.36
				12	0	20.50	20.12	19.94	20.16
				12	6	20.50	20.28	20.14	20.30
				12	11	20.50	20.03	20.14	20.23
				25	0	20.50	20.11	20.16	20.27
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		20000/1715	20175/1732.5	20350/1750	
LTE Band 4	10MHz	QPSK	1	0	22.50	22.18	21.91	21.77	
			1	24	22.50	22.12	22.00	21.92	
			1	49	22.50	21.84	21.83	21.71	
			25	0	21.50	21.09	20.88	20.95	
			25	12	21.50	21.08	20.96	21.16	
			25	24	21.50	20.98	20.97	21.21	
			50	0	21.50	21.06	20.93	21.25	
		16QAM	1	0	21.50	21.22	21.21	21.40	
			1	24	21.50	21.32	21.35	21.39	
			1	49	21.50	21.28	21.13	21.04	
			25	0	20.50	20.13	19.93	19.96	
			25	12	20.50	20.07	19.97	20.19	
			25	24	20.50	20.02	20.07	20.21	
			50	0	20.50	20.10	19.97	20.23	
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		20025/1717.5	20175/1732.5	20325/1747.5	
LTE Band 4	15MHz	QPSK	1	0	22.00	21.92	21.62	21.65	
			1	37	22.00	21.89	21.86	21.80	
			1	74	22.00	21.70	21.68	21.62	
			36	0	21.50	21.02	20.82	20.87	
			36	18	21.50	20.95	20.93	20.92	
			36	37	21.50	20.88	20.88	20.77	
			75	0	21.00	20.97	20.91	20.84	
		16QAM	1	0	21.50	21.15	21.01	20.85	
			1	37	21.50	21.17	21.22	21.08	
			1	74	21.50	21.05	20.98	20.99	

			36	0	20.50	20.02	19.84	19.86
			36	18	20.50	19.98	19.90	19.89
			36	37	20.50	19.88	19.86	19.93
			75	0	20.00	19.97	19.89	19.98
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20050/1720	20175/1732.5	20300/1745
LTE Band 4	20MHz	QPSK	1	0	22.00	21.70	21.50	21.48
			1	49	22.00	21.94	21.94	21.85
			1	99	22.00	21.57	21.49	21.48
			50	0	21.50	21.03	20.81	20.89
			50	24	21.50	20.90	20.90	20.84
			50	49	21.50	20.88	20.91	20.76
			100	0	21.00	20.94	20.87	20.86
		16QAM	1	0	21.50	21.00	20.72	20.71
			1	49	21.50	21.27	21.22	21.15
			1	99	21.50	20.94	20.79	20.77
			50	0	20.50	20.06	19.85	19.92
			50	24	20.50	19.92	19.88	19.85
			50	49	20.50	19.91	19.93	19.79
			100	0	20.00	19.95	19.89	19.86

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20407/824.7	20525/836.5	20643/848.3
LTE Band 5	1.4MHz	QPSK	1	0	24.00	23.44	23.47	23.94
			1	2	24.00	23.59	23.59	23.08
			1	5	24.00	23.47	23.43	23.94
			3	0	24.00	23.53	23.52	23.02
			3	1	24.00	23.59	23.56	23.05
			3	2	24.00	23.54	23.50	23.01
			6	0	24.00	23.55	23.43	23.03
		16QAM	1	0	24.00	23.75	23.45	23.20
			1	2	24.00	23.71	23.57	23.34
			1	5	24.00	23.72	23.33	23.13
			3	0	24.00	23.54	22.96	22.98
			3	1	24.00	23.52	23.05	23.04
			3	2	24.00	23.48	22.95	23.04

			6	0	23.00	22.61	22.12	22.13
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20415/825.5	20525/836.5	20635/847.5
LTE Band 5	3MHz	QPSK	1	0	24.50	24.03	24.07	24.06
			1	7	24.50	24.05	24.09	24.07
			1	14	24.50	24.03	24.03	24.03
			8	0	23.50	23.06	23.09	23.11
			8	4	23.50	23.13	23.12	23.11
			8	7	23.50	23.07	23.06	23.08
			15	0	23.50	23.07	23.07	23.10
		16QAM	1	0	23.50	23.37	23.39	23.25
			1	7	23.50	23.36	23.33	23.25
			1	14	23.50	23.35	23.24	23.35
			8	0	22.50	22.14	22.15	22.17
			8	4	22.50	22.18	22.15	22.19
			8	7	22.50	22.16	22.14	22.14
			15	0	22.50	22.06	22.07	22.10
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20425/826.5	20525/836.5	20625/846.5
LTE Band 5	5MHz	QPSK	1	0	24.00	23.87	23.90	23.86
			1	12	24.00	23.98	23.99	23.99
			1	24	24.00	23.86	23.85	23.86
			12	0	23.50	22.99	23.02	22.98
			12	6	23.50	23.03	23.04	23.03
			12	11	23.50	22.94	22.93	22.92
			25	0	23.00	22.99	22.98	22.95
		16QAM	1	0	23.50	23.10	23.25	23.06
			1	12	23.50	23.22	23.32	23.25
			1	24	23.50	23.03	23.07	23.01
			12	0	22.50	21.98	21.99	21.99
			12	6	22.50	22.04	21.99	22.02
			12	11	22.50	21.92	21.95	21.89
			25	0	22.00	22.00	22.00	21.96
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20450/829	20525/836.5	20600/844
LTE	10MHz	QPSK	1	0	24.50	23.95	23.96	23.99

Band 5			1	24	24.50	24.10	24.15	24.07
			1	49	24.50	23.91	23.96	23.92
			25	0	24.00	23.08	23.56	23.10
			25	12	24.00	23.06	23.06	23.05
			25	24	24.00	22.96	23.00	22.92
			50	0	23.50	23.07	23.06	22.99
		16QAM	1	0	23.50	23.14	23.16	23.30
			1	24	23.50	23.30	23.32	23.33
			1	49	23.50	23.21	23.28	23.17
			25	0	22.50	22.10	22.13	22.07
			25	12	22.50	22.06	22.08	22.07
			25	24	22.50	21.99	22.01	21.95
			50	0	22.50	22.06	22.09	22.01

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20775/2502.5	21100/2535	21425/2567.5
LTE Band 7	5MHz	QPSK	1	0	22.00	21.47	21.41	21.75
			1	12	22.00	21.61	21.58	21.93
			1	24	22.00	21.50	21.49	21.79
			12	0	22.00	21.59	21.62	21.01
			12	6	22.00	21.67	21.69	21.02
			12	11	22.00	21.64	21.64	21.92
			25	0	22.50	21.65	21.67	22.01
		16QAM	1	0	22.50	21.69	21.63	22.04
			1	12	22.50	21.79	21.68	22.12
			1	24	22.50	21.62	21.57	21.92
			12	0	21.50	20.63	20.64	21.10
			12	6	21.50	20.68	20.71	21.10
			12	11	21.50	20.67	20.64	20.99
			25	0	21.50	20.70	20.71	21.10
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20800/2505	21100/2535	21400/2565
LTE Band 7	10MHz	QPSK	1	0	22.00	21.49	21.41	21.18
			1	24	22.00	21.71	21.26	21.52
			1	49	22.00	21.61	21.12	21.39
			25	0	22.00	21.65	21.19	21.55
			25	12	22.00	21.76	21.23	21.51

				25	24	22.00	21.76	21.27	21.47
				50	0	22.00	21.73	21.25	21.54
				1	0	22.00	21.68	21.17	21.37
				1	24	22.00	21.91	21.42	21.78
				1	49	22.00	21.79	21.29	21.59
				25	0	21.00	20.69	20.24	20.64
				25	12	21.00	20.81	20.28	20.62
				25	24	21.00	20.80	20.30	20.55
				50	0	21.00	20.80	20.30	20.61
				RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
Band	Band Width	Modulation		RB Size	RB Offset		20825/2507.5	21100/2535	21375/2562.5
LTE Band 7	15MHz	QPSK		1	0	22.50	21.87	21.83	21.93
				1	37	22.50	22.18	22.10	22.31
				1	74	22.50	21.99	22.00	22.21
				36	0	21.50	21.11	21.10	21.33
				36	18	21.50	21.22	21.19	21.39
				36	37	21.50	21.21	21.23	21.38
				75	0	21.50	21.15	21.17	21.35
		16QAM		1	0	22.00	21.04	21.11	21.23
				1	37	22.00	21.46	21.21	21.56
				1	74	22.00	21.35	21.06	21.38
				36	0	20.50	20.13	20.18	20.39
				36	18	20.50	20.28	20.21	20.44
				36	37	20.50	20.26	20.21	20.42
				75	0	20.50	20.21	20.21	20.42
LTE Band 7	20MHz	QPSK		1	0	22.50	21.74	21.73	21.80
				1	49	22.50	22.27	22.14	22.28
				1	99	22.50	21.71	21.82	22.08
				50	0	22.00	21.18	21.58	21.38
				50	24	22.00	21.20	21.19	21.34
				50	49	22.00	21.08	21.27	21.21
				100	0	21.50	21.10	21.20	21.33
		16QAM		1	0	22.00	20.93	20.92	20.93
				1	49	22.00	21.54	21.32	21.55
				1	99	22.00	20.94	20.99	21.31
				RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
				RB Size	RB Offset		20850/2510	21100/2535	21350/2560

			50	0	20.50	20.22	20.25	20.42
			50	24	20.50	20.30	20.23	20.42
			50	49	20.50	20.18	20.29	20.30
			100	0	20.50	20.16	20.23	20.38

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23017/699.7	23095/707.5	23173/715.3
LTE Band 12	1.4MHz	QPSK	1	0	23.00	22.70	22.94	22.50
			1	2	23.00	22.02	22.05	22.62
			1	5	23.00	22.96	22.95	22.52
			3	0	23.00	22.85	22.02	22.59
			3	1	23.00	22.98	22.03	22.58
			3	2	23.00	22.99	22.02	22.58
			6	0	22.50	21.90	22.02	21.59
		16QAM	1	0	22.50	21.98	22.17	21.74
			1	2	22.50	22.24	22.29	22.02
			1	5	22.50	22.20	22.32	21.83
			3	0	22.00	21.88	21.89	21.57
			3	1	22.00	21.99	21.61	21.64
			3	2	22.00	21.95	21.70	21.64
			6	0	21.50	21.02	20.65	20.72
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23025/700.5	23095/707.5	23165/714.5
LTE Band 12	3MHz	QPSK	1	0	23.00	22.31	22.61	22.57
			1	7	23.00	22.57	22.58	22.59
			1	14	23.00	22.60	22.58	22.64
			8	0	22.00	21.47	21.58	21.63
			8	4	22.00	21.58	21.61	21.63
			8	7	22.00	21.56	21.59	21.61
			15	0	22.00	21.48	21.57	21.60
		16QAM	1	0	22.00	21.62	21.81	21.94
			1	7	22.00	21.89	21.90	21.93
			1	14	22.00	21.95	21.83	21.99
			8	0	21.00	20.56	20.68	20.74
			8	4	21.00	20.67	20.70	20.71
			8	7	21.00	20.66	20.66	20.69
			15	0	21.00	20.53	20.60	20.65

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23035/701.5	23095/707.5	23155/713.5
LTE Band 12	5MHz	QPSK	1	0	23.00	22.18	22.39	22.36
			1	12	23.00	22.51	22.51	22.49
			1	24	23.00	22.42	22.39	22.43
			12	0	22.00	21.37	21.57	21.33
			12	6	22.00	21.55	21.55	21.55
			12	11	22.00	21.35	21.51	21.36
			25	0	22.00	21.38	21.53	21.37
		16QAM	1	0	22.00	21.43	21.76	21.65
			1	12	22.00	21.78	21.87	21.73
			1	24	22.00	21.67	21.71	21.83
			12	0	21.00	20.39	20.57	20.35
			12	6	21.00	20.53	20.53	20.57
			12	11	21.00	20.35	20.53	20.39
			25	0	21.00	20.40	20.57	20.42
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23060/704	23095/707.5	23130/711
LTE Band 12	10MHz	QPSK	1	0	23.00	22.31	22.49	22.50
			1	24	23.00	22.67	22.61	22.57
			1	49	23.00	22.44	22.43	22.48
			25	0	22.00	21.65	21.76	21.39
			25	12	22.00	21.55	21.59	21.57
			25	24	22.00	21.42	21.77	21.62
			50	0	22.00	21.58	21.79	21.54
		16QAM	1	0	22.00	21.56	21.75	21.88
			1	24	22.00	21.93	21.94	21.92
			1	49	22.00	21.65	21.80	21.74
			25	0	21.00	20.71	20.79	20.44
			25	12	21.00	20.60	20.62	20.60
			25	24	21.00	20.46	20.81	20.70
			50	0	21.00	20.63	20.82	20.58

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23755/706.5	23790/710	23825/713.5
LTE	5MHz	QPSK	1	0	23.00	22.91	22.47	22.40

Band 17			1	12	23.00	22.02	22.53	22.55
			1	24	23.00	22.89	22.39	22.43
			12	0	22.50	22.12	21.47	21.36
			12	6	22.50	22.08	21.58	21.57
			12	11	22.50	22.07	21.66	21.37
			25	0	22.50	22.10	21.59	21.40
		16QAM	1	0	22.50	22.31	21.69	21.59
			1	12	22.50	22.33	21.82	21.79
			1	24	22.50	22.28	21.70	21.81
			12	0	21.50	21.10	20.48	20.36
			12	6	21.50	21.07	20.59	20.58
			12	11	21.50	21.03	20.68	20.40
			25	0	21.00	20.87	20.62	20.44
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23780/709	23790/710	23800/711
LTE Band 17	10MHz	QPSK	1	0	23.00	22.50	22.54	22.52
			1	24	23.00	22.69	22.66	22.64
			1	49	23.00	22.46	22.44	22.47
			25	0	22.00	21.65	21.55	21.44
			25	12	22.00	21.62	21.62	21.62
			25	24	22.00	21.86	21.79	21.65
			50	0	22.00	21.76	21.70	21.57
		16QAM	1	0	22.00	21.79	21.78	21.82
			1	24	22.00	21.91	21.89	22.00
			1	49	22.00	21.77	21.82	21.84
			25	0	21.00	20.70	20.60	20.47
			25	12	21.00	20.65	20.64	20.65
			25	24	21.00	20.90	20.83	20.67
			50	0	21.00	20.78	20.73	20.61

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26047/1850.7	26365/1882.5	26683/1914.3
LTE Band 25	1.4MHz	QPSK	1	0	23.50	22.90	23.01	23.10
			1	2	23.50	23.02	23.16	23.22
			1	5	23.50	22.88	23.01	23.13
			3	0	23.50	23.00	23.10	23.19

			16QAM	3	1	23.50	23.05	23.11	23.20
				3	2	23.50	23.02	23.11	22.98
				6	0	22.50	22.02	22.11	22.01
				1	0	23.00	22.17	22.33	22.35
				1	2	23.00	22.22	22.43	22.52
				1	5	23.00	22.23	22.26	22.38
				3	0	22.50	21.97	22.07	22.15
				3	1	22.50	22.00	22.15	22.15
				3	2	22.50	21.98	22.09	22.13
				6	0	21.50	21.09	21.22	21.31
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		26055/1851.5	26365/1882.5	26675/1913.5	
LTE Band 25	3MHz	QPSK	1	0	23.50	22.99	23.11	23.22	
			1	7	23.50	22.81	23.13	23.25	
			1	14	23.50	22.98	23.13	23.24	
			8	0	22.50	22.05	22.12	22.30	
			8	4	22.50	22.05	22.20	22.32	
			8	7	22.50	22.01	22.16	22.26	
			15	0	22.50	22.04	22.15	22.32	
		16QAM	1	0	23.00	22.22	22.36	22.38	
			1	7	23.00	22.31	22.39	22.51	
			1	14	23.00	22.23	22.39	22.48	
			8	0	21.50	21.08	21.18	21.22	
			8	4	21.50	21.12	21.28	21.36	
			8	7	21.50	21.08	21.24	21.27	
			15	0	21.50	21.06	21.17	21.31	
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		26065/1852.5	26365/1882.5	26665/1912.5	
LTE Band 25	5MHz	QPSK	1	0	23.50	22.80	22.94	23.05	
			1	12	23.50	22.53	23.08	23.10	
			1	24	23.50	22.76	22.94	23.07	
			12	0	22.50	21.95	22.04	22.29	
			12	6	22.50	21.99	22.13	22.25	
			12	11	22.50	21.91	22.12	22.08	
			25	0	22.50	21.95	22.07	22.21	

			16QAM	1	0	22.50	22.15	22.15	22.26
				1	12	22.50	22.22	22.41	22.36
				1	24	22.50	22.07	22.17	22.20
				12	0	21.50	20.94	21.04	21.16
				12	6	21.50	20.96	21.14	21.14
				12	11	21.50	20.92	21.11	21.04
				25	0	21.50	20.96	21.08	21.17
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		26090/1855	26365/1882.5	26640/1910	
LTE Band 25	10MHz	QPSK	1	0	23.50	22.77	22.97	23.14	
			1	24	23.50	22.57	23.18	23.25	
			1	49	23.50	22.77	23.00	23.12	
			25	0	22.50	22.01	22.12	22.25	
			25	12	22.50	21.98	22.17	22.30	
			25	24	22.50	21.95	22.19	22.06	
			50	0	22.50	21.99	22.17	22.18	
		16QAM	1	0	23.00	22.07	22.20	22.34	
			1	24	23.00	22.20	22.53	22.44	
			1	49	23.00	22.11	22.26	22.29	
			25	0	21.50	21.00	21.15	21.27	
			25	12	21.50	20.97	21.18	21.29	
			25	24	21.50	20.93	21.20	21.04	
			50	0	21.50	20.97	21.16	21.18	
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		26115/1857.5	26365/1882.5	26615/1907.5	
LTE Band 25	15MHz	QPSK	1	0	23.50	22.78	22.86	22.97	
			1	37	23.50	22.88	23.09	23.19	
			1	74	23.50	22.66	22.92	23.00	
			36	0	22.50	21.94	22.09	22.17	
			36	18	22.50	21.89	22.12	22.25	
			36	37	22.50	21.86	22.11	22.08	
			75	0	22.50	21.88	22.09	22.13	
		16QAM	1	0	22.50	22.09	22.20	22.31	
			1	37	22.50	22.06	22.34	22.48	
			1	74	22.50	21.94	22.17	22.17	

			36	0	21.50	20.89	21.06	21.11
			36	18	21.50	20.89	21.10	21.21
			36	37	21.50	20.84	21.07	20.96
			75	0	21.50	20.87	21.10	21.13
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26140/1860	26365/1882.5	26590/1905
LTE Band 25	20MHz	QPSK	1	0	23.50	22.58	22.67	22.87
			1	49	23.50	22.65	23.15	23.26
			1	99	23.50	22.57	22.72	22.87
			50	0	22.50	21.94	22.05	22.35
			50	24	22.50	21.91	22.11	22.26
			50	49	22.50	21.84	22.17	22.13
			100	0	22.50	21.88	22.11	22.22
		16QAM	1	0	23.00	21.92	21.91	22.17
			1	49	23.00	22.18	22.40	22.55
			1	99	23.00	21.94	21.96	22.14
			50	0	21.50	20.94	21.06	21.37
			50	24	21.50	20.91	21.12	21.25
			50	49	21.50	20.83	21.15	21.12
			100	0	21.50	20.86	21.11	21.22

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26697/814.7	26740/819	26783/823.3
LTE Band 26a	1.4MHz	QPSK	1	0	24.50	24.24	24.36	24.37
			1	2	24.50	24.34	24.46	24.45
			1	5	24.50	24.24	24.31	24.34
			3	0	23.50	23.32	23.43	23.42
			3	1	23.50	23.38	23.45	23.44
			3	2	23.50	23.33	23.43	23.42
			6	0	23.50	23.33	23.43	23.46
		16QAM	1	0	24.00	23.44	23.65	23.60
			1	2	24.00	23.51	23.76	23.68
			1	5	24.00	23.41	23.61	23.55
			3	0	23.50	23.30	23.44	23.40
			3	1	23.50	23.23	23.38	23.40
			3	2	23.50	23.25	23.37	23.29

			6	0	23.00	22.41	22.51	22.38
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26705/818.5	26740/819	26775/822.5
LTE Band 26a	3MHz	QPSK	1	0	24.50	23.82	24.00	24.03
			1	7	24.50	23.86	24.01	24.01
			1	14	24.50	23.87	23.99	23.98
			8	0	23.50	23.05	22.99	23.02
			8	4	23.50	22.96	23.01	23.04
			8	7	23.50	23.00	23.01	23.02
			15	0	23.50	22.94	22.98	23.01
		16QAM	1	0	23.50	23.27	23.22	23.25
			1	7	23.50	23.11	23.27	23.22
			1	14	23.50	23.24	23.26	23.31
			8	0	22.50	21.98	22.10	22.10
			8	4	22.50	22.03	22.09	22.14
			8	7	22.50	22.07	22.04	22.09
			15	0	22.50	21.93	22.02	22.04
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26715/816.5	26740/819	26765/821.5
LTE Band 26a	5MHz	QPSK	1	0	24.00	23.68	23.76	23.79
			1	12	24.00	23.78	23.91	23.93
			1	24	24.00	23.67	23.82	23.78
			12	0	23.00	22.78	22.87	22.88
			12	6	23.00	22.82	22.95	23.00
			12	11	23.00	22.77	22.93	22.94
			25	0	23.00	22.80	22.91	22.92
		16QAM	1	0	23.50	22.91	23.04	22.97
			1	12	23.50	23.10	23.16	23.17
			1	24	23.50	23.02	23.17	23.00
			12	0	22.00	21.78	21.84	21.89
			12	6	22.00	21.82	21.96	22.00
			12	11	22.00	21.76	21.93	21.93
			25	0	22.00	21.83	21.92	21.95
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		/	26740/819	/
LTE	10MHz	QPSK	1	0	24.50	/	23.82	/

Band 26a			1	24	24.50	/	24.06	/
			1	49	24.50	/	23.86	/
			25	0	23.50	/	22.94	/
			25	12	23.50	/	22.98	/
			25	24	23.50	/	23.02	/
			50	0	23.00	/	22.99	/
		16QAM	1	0	23.50	/	23.13	/
			1	24	23.50	/	23.29	/
			1	49	23.50	/	23.02	/
			25	0	22.50	/	21.97	/
			25	12	22.50	/	22.00	/
			25	24	22.50	/	22.04	/
			50	0	22.50	/	22.01	/

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26797/824.7	26915/836.5	27033/848.3
LTE Band 26b	1.4MHz	QPSK	1	0	24.00	23.83	23.87	23.87
			1	2	24.00	23.97	23.96	23.01
			1	5	24.00	23.83	23.89	23.89
			3	0	23.00	22.95	22.94	22.96
			3	1	23.00	22.98	22.96	22.97
			3	2	23.00	22.92	22.99	22.95
			6	0	23.00	22.94	23.00	22.98
		16QAM	1	0	23.50	23.18	23.19	23.05
			1	2	23.50	23.19	23.35	23.23
			1	5	23.50	23.10	23.21	23.22
			3	0	23.50	22.89	22.91	22.95
			3	1	23.50	22.95	22.94	23.00
			3	2	23.50	22.89	23.01	22.95
			6	0	22.50	22.00	22.05	22.08
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26805/825.5	26915/836.5	27025/847.5
LTE Band 26b	3MHz	QPSK	1	0	24.50	23.97	24.01	24.01
			1	7	24.50	23.99	23.99	24.04
			1	14	24.50	23.93	24.01	24.01
			8	0	23.50	22.99	23.00	23.08
			8	4	23.50	23.00	23.07	23.09

				8	7	23.50	23.02	22.99	23.06
				15	0	23.50	23.00	23.04	23.06
				1	0	23.50	23.30	23.33	23.25
				1	7	23.50	23.29	23.31	23.21
				1	14	23.50	23.28	23.24	23.29
				8	0	22.50	22.05	22.08	22.16
				8	4	22.50	22.09	22.15	22.15
				8	7	22.50	22.08	22.07	22.11
				15	0	22.50	21.99	22.03	22.07
				RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
Band	Band Width	Modulation		RB Size	RB Offset		26815/826.5	26915/836.5	27015/846.5
LTE Band 26b	5MHz	QPSK		1	0	24.00	23.79	23.78	23.81
				1	12	24.00	23.91	23.92	23.95
				1	24	24.00	23.78	23.83	23.82
				12	0	23.50	22.93	22.91	22.93
				12	6	23.50	22.97	23.02	23.02
				12	11	23.50	22.89	22.92	22.88
				25	0	23.00	22.90	22.95	22.94
		16QAM		1	0	23.50	23.01	23.02	23.08
				1	12	23.50	23.22	23.20	23.18
				1	24	23.50	23.00	23.18	23.11
				12	0	22.50	21.91	21.93	21.95
				12	6	22.50	22.00	22.00	22.03
				12	11	22.50	21.87	21.90	21.86
				25	0	22.00	21.91	21.98	21.92
				RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
				RB Size	RB Offset		26840/829	26915/836.5	26990/844
LTE Band 26b	10MHz	QPSK		1	0	24.50	23.87	23.92	23.91
				1	24	24.50	24.04	24.06	24.06
				1	49	24.50	23.87	23.90	23.90
				25	0	23.50	23.02	23.05	23.02
				25	12	23.50	23.00	23.03	23.02
				25	24	23.50	22.93	23.02	22.90
				50	0	23.50	22.97	23.04	22.96
		16QAM		1	0	23.50	23.17	23.15	23.19
				1	24	23.50	23.32	23.27	23.33
				1	49	23.50	23.20	23.23	23.23

			25	0	22.50	22.02	22.06	22.07
			25	12	22.50	22.01	22.04	22.02
			25	24	22.50	21.97	22.02	21.94
			50	0	22.50	21.98	22.05	21.99
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26865/831.5	26915/836.5	26965/841.5
LTE Band 26b	15MHz	QPSK	1	0	24.00	23.74	23.76	23.77
			1	37	24.00	23.92	23.91	23.93
			1	74	24.00	23.77	23.74	23.78
			36	0	23.50	22.96	22.98	22.95
			36	18	23.50	22.98	23.00	22.99
			36	37	23.50	22.90	22.93	22.88
			75	0	23.00	22.94	22.96	22.90
		16QAM	1	0	23.50	22.94	23.07	22.96
			1	37	23.50	23.13	23.24	23.27
			1	74	23.50	23.01	23.08	23.11
			36	0	22.00	21.93	21.98	21.91
			36	18	22.00	21.95	21.97	21.96
			36	37	22.00	21.88	21.91	21.83
			75	0	22.00	21.96	21.95	21.90

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		37775/2572.5	38000/2595	38225/2617.5
LTE Band 38	5MHz	QPSK	1	0	23.50	22.78	22.91	22.68
			1	12	23.50	22.94	23.05	22.78
			1	24	23.50	22.76	22.90	22.67
			12	0	22.50	21.94	22.03	21.90
			12	6	22.50	21.96	22.07	21.89
			12	11	22.50	21.88	21.97	21.83
			25	0	22.00	21.93	21.99	21.85
		16QAM	1	0	22.50	22.00	22.08	21.82
			1	12	22.50	22.09	22.24	21.96
			1	24	22.50	21.93	22.09	21.83
			12	0	21.50	21.00	21.11	20.93
			12	6	21.50	21.02	21.13	20.94
			12	11	21.50	20.94	21.04	20.87
			25	0	21.50	21.00	21.11	20.94

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		37800/2575	38000/2595	38200/2615
LTE Band 38	10MHz	QPSK	1	0	23.50	22.93	22.93	22.77
			1	24	23.50	23.02	23.18	22.90
			1	49	23.50	22.74	22.93	22.71
			25	0	22.50	22.02	22.12	21.94
			25	12	22.50	21.99	22.12	21.91
			25	24	22.50	21.89	22.03	21.81
			50	0	22.50	21.95	22.10	21.93
		16QAM	1	0	22.50	22.12	22.15	21.94
			1	24	22.50	22.19	22.33	22.08
			1	49	22.50	21.94	22.15	21.90
			25	0	21.50	21.10	21.23	21.05
			25	12	21.50	21.07	21.21	21.01
			25	24	21.50	20.99	21.12	20.90
			50	0	21.50	21.09	21.21	21.03
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		37825/2577.5	38000/2595	38175/2615
LTE Band 38	15MHz	QPSK	1	0	23.50	22.80	22.76	22.73
			1	37	23.50	22.82	23.03	22.73
			1	74	23.50	22.60	22.74	22.57
			36	0	22.50	21.92	22.00	21.90
			36	18	22.50	21.87	22.05	21.81
			36	37	22.50	21.77	21.92	21.73
			75	0	22.00	21.82	21.97	21.79
		16QAM	1	0	22.50	21.98	21.93	21.90
			1	37	22.50	22.01	22.21	21.91
			1	74	22.50	21.80	21.93	21.74
			36	0	21.50	20.96	21.04	20.92
			36	18	21.50	20.89	21.07	20.84
			36	37	21.50	20.79	20.97	20.76
			75	0	21.50	20.92	21.05	20.88
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		37850/2580	38000/2595	38150/2610
LTE Band	20MHz	QPSK	1	0	23.50	22.70	22.61	22.77
			1	49	23.50	22.90	23.11	22.84

38			1	99	23.50	22.55	22.52	22.43
			50	0	22.50	21.95	22.04	22.05
			50	24	22.50	21.86	22.03	21.82
			50	49	22.50	21.79	21.84	21.62
			100	0	22.00	21.90	21.98	21.89
		16QAM	1	0	22.50	21.88	21.78	21.92
			1	49	22.50	22.09	22.31	22.03
			1	99	22.50	21.75	21.73	21.61
			50	0	21.50	21.06	21.15	21.14
			50	24	21.50	20.97	21.16	20.95
			50	49	21.50	20.91	20.96	20.72
			100	0	21.50	20.98	21.07	20.97

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		40065/2537.5	40350/2566	40640/2595	41215/2652.5
LTE Band 41	5MHz	QPSK	1	0	23.50	22.77	22.79	23.18	22.79
			1	12	23.50	22.93	22.89	23.27	22.89
			1	24	23.50	22.82	22.84	23.16	22.78
			12	0	22.50	21.91	21.96	22.28	21.97
			12	6	22.50	21.92	22.24	22.29	22.02
			12	11	22.50	21.86	21.88	22.24	21.97
			25	0	22.50	21.87	22.14	22.23	21.95
		16QAM	1	0	22.50	21.93	22.17	22.33	21.93
			1	12	22.50	22.10	22.45	22.47	22.06
			1	24	22.50	21.98	22.23	22.35	21.95
			12	0	21.50	20.97	21.28	21.27	20.96
			12	6	21.50	21.00	21.15	21.32	21.02
			12	11	21.50	20.93	21.15	21.23	20.97
			25	0	21.50	20.97	21.26	21.29	20.98
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		40090/2540	40350/2566	40640/2595	41190/2650

LTE Band 41	10MHz	QPSK	1	0	23.50	22.85	23.23	23.20	22.79
			1	24	23.50	23.01	22.84	23.40	23.00
			1	49	23.50	22.88	23.35	23.19	22.83
			25	0	22.50	22.09	22.17	22.37	21.99
			25	12	22.50	22.05	22.24	22.36	22.04
			25	24	22.50	21.93	21.96	22.26	22.04
			50	0	22.50	22.09	22.32	22.35	22.04
		16QAM	1	0	23.00	22.05	22.06	22.39	21.93
			1	24	23.00	22.25	22.41	22.60	22.15
			1	49	23.00	22.07	22.09	22.39	22.00
			25	0	21.50	21.19	21.16	21.40	21.00
			25	12	21.50	21.14	21.34	21.39	21.05
			25	24	21.50	21.03	21.27	21.31	21.08
			50	0	21.50	21.16	21.10	21.37	21.07
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		40115/2542.5	40350/2566	40640/2595	41165/2647.5
LTE Band 41	15MHz	QPSK	1	0	23.50	22.71	22.71	23.00	22.67
			1	37	23.50	22.94	22.79	23.27	22.81
			1	74	23.50	22.64	23.01	23.00	22.66
			36	0	22.50	22.02	22.05	22.25	21.94
			36	18	22.50	21.94	21.97	22.28	22
			36	37	22.50	21.82	22.19	22.19	21.95
			75	0	22.50	21.93	22.08	22.21	21.94
		16QAM	1	0	22.50	21.91	21.82	22.18	21.8
			1	37	22.50	22.14	22.16	22.46	21.96
			1	74	22.50	21.83	22.33	22.18	21.84
			36	0	21.50	21.06	20.86	21.21	20.9
			36	18	21.50	20.99	20.96	21.26	20.93
			36	37	21.50	20.85	20.91	21.15	20.9
			75	0	21.50	21.00	21.00	21.23	20.96
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		40140/2545	40350/2566	40640/2595	41140/2645

				t					
LTE Band 41	20MHz	QPSK	1	0	23.50	22.58	22.58	22.82	22.64
			1	49	23.50	22.97	23.15	23.36	22.73
			1	99	23.50	22.42	22.91	22.78	22.52
			50	0	22.50	22.16	21.73	22.28	22.06
			50	24	22.50	21.96	22.16	22.27	21.99
			50	49	22.50	21.66	22.02	22.09	21.97
			100	0	22.50	22	22.04	22.21	22.05
		16QAM	1	0	23.00	21.76	21.63	22.02	21.77
			1	49	23.00	22.18	22.43	22.54	22.04
			1	99	23.00	21.62	22.36	21.97	21.71
			50	0	21.50	21.27	21.07	21.32	21.06
			50	24	21.50	21.05	21.23	21.32	20.99
			50	49	21.50	20.78	21.21	21.15	20.99
			100	0	21.50	21.07	21.11	21.25	21.06

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131979/1710.7	132322/1745	132665/1779.3
LTE Band 66	1.4MHz	QPSK	1	0	23.00	22.64	22.38	22.62
			1	2	23.00	22.75	22.49	22.77
			1	5	23.00	22.60	22.41	22.62
			3	0	22.00	21.72	21.47	21.71
			3	1	22.00	21.75	21.49	21.72
			3	2	22.00	21.69	21.48	21.75
			6	0	22.00	21.70	21.48	21.72
		16QAM	1	0	22.50	21.85	21.71	21.96
			1	2	22.50	22.06	21.77	21.94
			1	5	22.50	21.93	21.59	21.84
			3	0	22.00	21.76	21.40	21.72
			3	1	22.00	21.66	21.49	21.75
			3	2	22.00	21.69	21.48	21.74
			6	0	21.00	20.82	20.61	20.87
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131987/1711.5	132322/1745	132657/1778.5

LTE Band 66	3MHz	QPSK	1	0	23.00	22.69	22.51	22.73
			1	7	23.00	22.72	22.52	22.75
			1	14	23.00	22.69	22.50	22.78
			8	0	22.00	21.73	21.52	21.78
			8	4	22.00	21.77	21.54	21.79
			8	7	22.00	21.72	21.52	21.75
			15	0	22.00	21.72	21.53	21.76
		16QAM	1	0	22.50	21.97	21.72	21.95
			1	7	22.50	21.91	21.82	22.01
			1	14	22.50	21.98	21.71	22.02
			8	0	21.00	20.82	20.63	20.87
			8	4	21.00	20.86	20.65	20.89
			8	7	21.00	20.83	20.61	20.83
			15	0	21.00	20.77	20.55	20.83
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131997/1712.5	132322/1745	132647/1777.5
LTE Band 66	5MHz	QPSK	1	0	23.00	22.51	22.31	22.57
			1	12	23.00	22.62	22.43	22.67
			1	24	23.00	22.49	22.28	22.58
			12	0	22.00	21.61	21.46	21.71
			12	6	22.00	21.68	21.49	21.74
			12	11	22.00	21.61	21.41	21.62
			25	0	22.00	21.62	21.45	21.67
		16QAM	1	0	22.00	21.81	21.67	21.85
			1	12	22.00	21.86	21.76	21.96
			1	24	22.00	21.76	21.57	21.89
			12	0	21.00	20.66	20.49	20.77
			12	6	21.00	20.73	20.52	20.75
			12	11	21.00	20.66	20.43	20.65
			25	0	21.00	20.66	20.50	20.74
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		132022/1715	132322/1745	132622/1775
LTE Band 66	10MHz	QPSK	1	0	23.00	22.59	22.41	22.58
			1	24	23.00	22.70	22.52	22.80
			1	49	23.00	22.53	22.39	22.68

				25	0	22.00	21.68	21.55	21.81
				25	12	22.00	21.68	21.51	21.76
				25	24	22.00	21.62	21.48	21.64
				50	0	22.00	21.66	21.55	21.76
			16QAM	1	0	22.50	21.94	21.63	21.90
				1	24	22.50	22.01	21.87	22.13
				1	49	22.50	21.85	21.66	21.87
				25	0	21.00	20.73	20.60	20.83
				25	12	21.00	20.73	20.57	20.81
				25	24	21.00	20.65	20.52	20.70
				50	0	21.00	20.72	20.58	20.78
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		132047/1717.5	132322/1745	132597/1772.5	
LTE Band 66	15MHz	QPSK	1	0	23.00	22.47	22.31	22.28	
			1	37	23.00	22.59	22.43	22.57	
			1	74	23.00	22.35	22.27	22.44	
			36	0	22.00	21.63	21.47	21.56	
			36	18	22.00	21.59	21.51	21.61	
			36	37	22.00	21.55	21.43	21.53	
			75	0	22.00	21.59	21.47	21.55	
		16QAM	1	0	22.00	21.78	21.62	21.60	
			1	37	22.00	21.89	21.74	21.71	
			1	74	22.00	21.66	21.59	21.75	
			36	0	21.00	20.65	20.50	20.56	
			36	18	21.00	20.62	20.53	20.61	
			36	37	21.00	20.56	20.43	20.53	
			75	0	21.00	20.61	20.51	20.58	
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		132072/1720	132322/1745	132572/1770	
LTE Band 66	20MHz	QPSK	1	0	23.00	22.28	22.14	22.13	
			1	49	23.00	22.61	22.48	22.62	
			1	99	23.00	22.20	22.09	22.30	
			50	0	22.00	21.65	21.52	21.56	
			50	24	22.00	21.53	21.50	21.59	
			50	49	22.00	21.51	21.38	21.44	

			100	0	22.00	21.57	21.44	21.48
		16QAM	1	0	22.00	21.58	21.45	21.47
			1	49	22.00	21.86	21.82	21.78
			1	99	22.00	21.52	21.41	21.52
			50	0	21.00	20.69	20.54	20.59
			50	24	21.00	20.58	20.53	20.62
			50	49	21.00	20.54	20.43	20.50
			100	0	21.00	20.60	20.45	20.53

7.4. WLAN&BluetoothOutput Power

7.4.1. Output PowerResults Of WLAN

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11b	1	2412	16.00	15.56
	6	2437	16.00	15.80
	11	2462	16.00	15.58
802.11g	1	2412	14.00	13.41
	6	2437	14.00	13.65
	11	2462	14.00	13.45
802.11n HT20	1	2412	13.00	12.55
	6	2437	13.00	12.77
	11	2462	13.00	12.20
802.11n HT40	3	2422	13.00	12.67
	6	2437	13.00	12.86
	9	2452	13.00	12.73

NOTE: Power measurement results of WLAN2.4G.

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	36	5180	13.00	12.59
	40	5200	13.00	12.49
	48	5240	13.00	11.32
802.11n HT20	36	5180	13.00	12.52
	40	5200	13.00	12.38
	48	5240	13.00	11.33
802.11n HT40	38	5190	12.50	12.46

	46	5230	12.50	11.56
802.11ac VHT20	36	5180	13.00	12.59
	40	5200	13.00	12.61
	48	5240	13.00	11.18
802.11ac VHT40	38	5190	12.50	12.44
	46	5230	12.50	11.48
802.11ac VHT80	42	5210	10.50	10.34

NOTE: Power measurement results of WLAN5.2G.

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	149	5745	11.50	11.38
	157	5785	11.50	10.62
	165	5825	11.50	10.97
802.11n HT20	149	5745	11.00	11.00
	157	5785	11.00	10.65
	165	5825	11.00	10.99
802.11n HT40	151	5755	11.00	10.96
	159	5795	11.00	10.26
802.11ac VHT20	149	5745	11.00	10.98
	157	5785	11.00	10.65
	165	5825	11.00	10.88
802.11ac VHT40	151	5755	11.00	10.90
	159	5795	11.00	10.28
802.11ac VHT80	155	5775	10.50	10.44

NOTE: Power measurement results of WLAN5.8G.

7.4.2. Output PowerResults Of Bluetooth

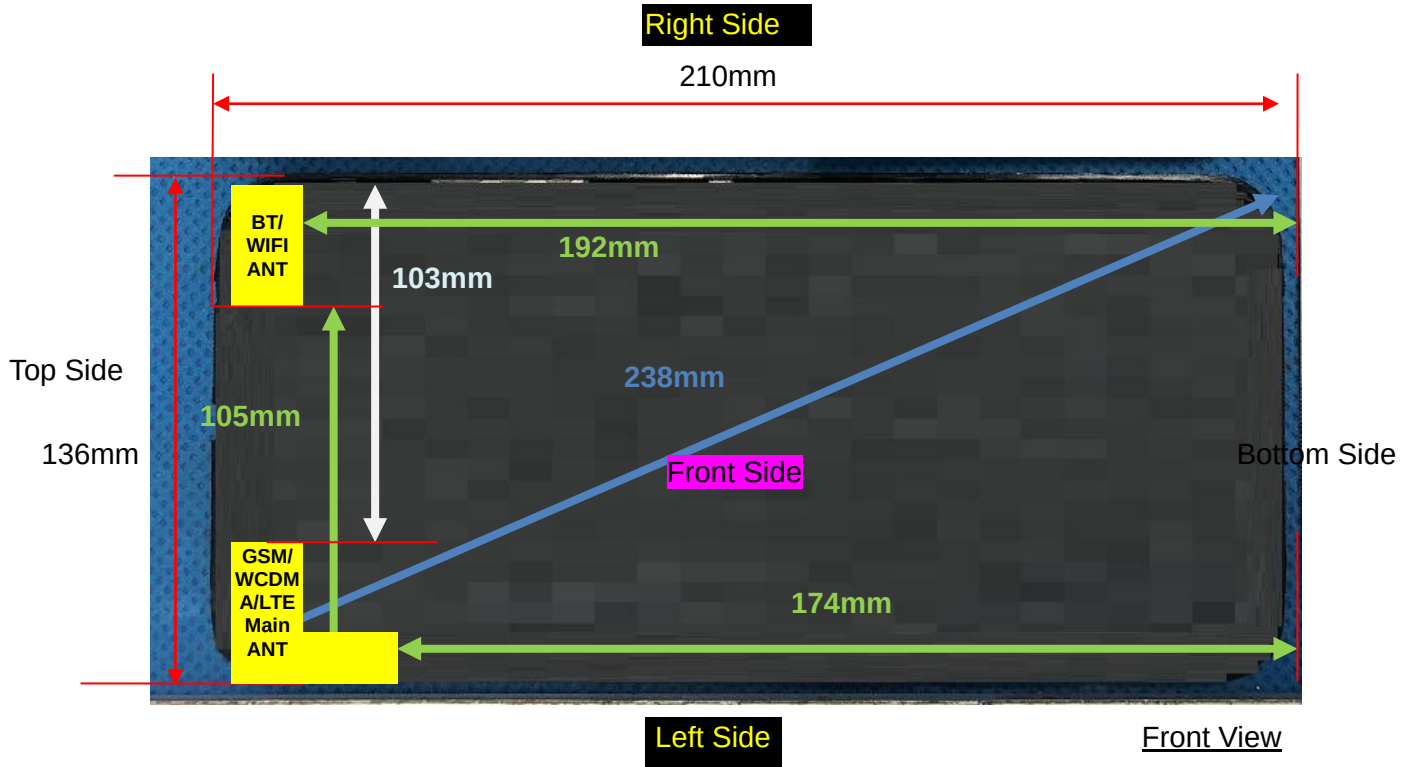
BR+EDR	Output Power (dBm)				
	Data Rates	Tune-up (dBm)	Channel		
			0CH	39CH	78CH
	1M	6	4.87	5.51	5.91
	2M	5.5	4.84	4.92	5.30
	3M	5.5	5.20	5.31	5.36

BLE	Output Power (dBm)				
	Data Rates	Tune-up (dBm)	Channe		
			0CH	19CH	39CH
	1M	-3.5	-5.13	-3.58	-5.32
	2M	-3.5	-5.23	-3.62	-5.05

7.5. NFC

Channel Freq (MHz)	Min Distance (mm)	Max power (dBm)	tune-up power (dBm)	Max power (mW)	Limits (mW)	SAR Test Exclusion
13.56	10	-27.54	-27.54 ± 1	0.00222	443	Yes

8. Antenna Location



Note: Since the confidentiality request of EUT, the antenna location example diagram see as above.

Distance of the Antenna to the EUT surface/edge						
Antennas	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
WLAN & Bluetooth	5	5	105	5	5	103
WWAN	5	5	5	103	5	174

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

Positions for SAR tests		
Test separation distances $\leq$ 50 mm		
Exposure Positions	Tune-up Maximum power of WLAN 2.4G	
	16.00dBm	39.81mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES

Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WLAN 5.2G	
	13.00dBm	19.95mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	7.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WLAN 5.8G	
	11.50dBm	14.13mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES
Right Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	6.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of GSM 850	
	31.00dBm	1258.93
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES

Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of GSM 1900	
	26.00dBm	398.11
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WCDMA Band 2	
	22.50dBm	177.83mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WCDMA Band 4	
	21.50dBm	141.2mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES

Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of WCDMA Band 5	
	23.00dBm	199.53mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 2	
	22.50dBm	177.83
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 4	
	22.00dBm	158.49mW

Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
LeftSide	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 5	
	24.50dBm	281.84mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 7	
	22.50dBm	177.83mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00

	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 12	
	23.00dBm	199.53mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 17	
	23.00dBm	199.53mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 25	
	23.50dBm	223.87mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00

	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	11.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 26a	
	24.50dBm	281.84mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 26b	
	24.00dBm	251.19
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	16.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 38	
	23.50dBm	223.87mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00

	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 41	
	23.50dBm	223.87mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of LTE Band 66	
	23.50dBm	223.87mW
Front Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
Back Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES
Left Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	10.00
	SAR testing required?	YES
Top Side	Antenna to user(mm)	5
	SAR exclusion threshold (mW)	12.00
	SAR testing required?	YES

NOTE: Refer to section 4.3.1 of KDB 447498 D01.

Positions for SAR tests		
Test separation distances > 50 mm		
Exposure Positions	Tune-up Maximum power of WLAN 2.4G	
	16.00 dBm	39.81 mW
Left Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	646
	SAR testing required?	NO
Top Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	626
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.2G	
	13.00 dBm	19.95mW
Left Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	616
	SAR testing required?	NO
Top Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	596
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.8G	
	11.50 dBm	14.13mW
Left Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	612
	SAR testing required?	NO
Top Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	592
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of GSM 850	
	31.00 dBm	1258.93mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	714
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	694
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of GSM 1900	
	26.00 dBm	398.11mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	639

	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	659
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WCDMA Band 2	
	22.50 dBm	177.83mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	714
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	694
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WCDMA Band 4	
	21.50 dBm	141.2 mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	652
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	672
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WCDMA Band 5	
	22.50 dBm	177.83mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	714
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	694
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 2	
	22.50 dBm	177.83mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	659
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	639
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 4	
	22.00 dBm	158.49mW
Right Side	Antenna to user(mm)	105

	SAR exclusion threshold (mW)	672
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	652
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 5	
	24.50 dBm	281.84mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	714
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	694
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 7	
	22.50 dBm	177.83mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	646
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	626
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 12	
	23.00 dBm	199.53 mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	774
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	754
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 17	
	23.00 dBm	199.53 mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	714
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	694
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 25	
	23.00 dBm	199.53 mW

Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	659
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	639
	SAR exclusion threshold (mW)	694
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 26a	
	24.50 dBm	281.84 mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	659
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	639
	SAR exclusion threshold (mW)	694
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 26b	
	24.00 dBm	1251.19 mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	659
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	639
	SAR exclusion threshold (mW)	694
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 38	
	23.50 dBm	223.87 mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	646
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	626
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 41	
	23.50 dBm	223.87mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	646
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	626
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 66	

	23.50 dBm	223.87 mW
Right Side	Antenna to user(mm)	105
	SAR exclusion threshold (mW)	672
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	103
	SAR exclusion threshold (mW)	652
	SAR testing required?	NO

NOTE: Refer to section 4.3.1 of KDB 447498 D01.

9. Stand-alone SAR test exclusion

Refer to FCC KDB 447498D01, the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

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

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

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

Mode	P_{max} (dBm)	P_{max} (mW)	Distance (mm)	f (GHz)	Calculation Result	SAR exclusion threshold (mW)	SAR test exclusion
Bluetooth	6.0	3.981	5	2.480	1.254	3	Yes

NOTE: Standalone SAR test exclusion for Bluetooth.

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

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] * [\sqrt{f_{\text{(GHz)}}}/x]$ W/kg for test separation distances ≤ 50 mm, where $x = 7.5$ for 1-g SAR and $x = 18.75$ for 10-g SAR.

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

Mode	Position	P_{max} (dBm)	P_{max} (mW)	Distance (mm)	f (GHz)	x	Estimated SAR (W/Kg)
Bluetooth	Body	6.0	3.981	5	2.48	7.5	0.167
Bluetooth	Hotspot	6.0	3.981	5	2.48	7.5	0.167

NOTE: Estimated SAR calculation for Bluetooth

10. SAR Results

10.1. SAR measurement results

10.1.1. SAR measurement Result of GSM850

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	189/836.4	GPRS(GMSK 3TS)	0.439	0.287	-0.62	29.75	31.00	0.585	2025/4/29	1#
Back Side	189/836.4	GPRS(GMSK 3TS)	0.384	0.241	0.81	29.75	31.00	0.512	2025/4/29	

NOTE: Body-Worn SAR test results of GSM850

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	661/1880	GPRS(GMSK 4TS)	0.450	0.242	-2.27	25.86	26.00	0.465	2025/4/28	
Back Side	661/1880	GPRS(GMSK 4TS)	0.571	0.320	2.17	25.86	26.00	0.590	2025/4/28	2#
Left Side	661/1880	GPRS(GMSK 4TS)	0.244	0.131	1.48	25.86	26.00	0.252	2025/4/28	
Right Side	661/1880	GPRS(GMSK 4TS)	0.061	0.034	0.15	25.86	26.00	0.063	2025/4/28	
Top Side	661/1880	GPRS(GMSK 4TS)	0.310	0.167	3.39	25.86	26.00	0.320	2025/4/28	

NOTE: Hotspot SAR test results of GSM850

10.1.2. SAR measurement Result of GSM1900

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	661/1880	GPRS(GMSK 4TS)	0.450	0.242	-2.27	25.86	26.00	0.465	2025/4/28	
Back Side	661/1880	GPRS(GMSK 4TS)	0.571	0.320	2.17	25.86	26.00	0.590	2025/4/28	2#

NOTE: Body-Worn SAR test results of GSM1900

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	661/1880	GPRS(GMSK 4TS)	0.450	0.242	-2.27	25.86	26.00	0.465	2025/4/28	
Back Side	661/1880	GPRS(GMSK 4TS)	0.571	0.320	2.17	25.86	26.00	0.590	2025/4/28	2#
Left Side	661/1880	GPRS(GMSK 4TS)	0.244	0.131	1.48	25.86	26.00	0.252	2025/4/28	
Right Side	661/1880	GPRS(GMSK 4TS)	0.061	0.034	0.15	25.86	26.00	0.063	2025/4/28	
Top Side	661/1880	GPRS(GMSK 4TS)	0.310	0.167	3.39	25.86	26.00	0.320	2025/4/28	

NOTE: Hotspot SAR test results of GSM1900

10.1.3. SAR measurement Result of WCDMA Band 2

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	9400/1880	RMC12.2K	0.413	0.217	2.61	22.26	22.50	0.436	2025/4/28	
Back Side	9400/1880	RMC12.2K	0.507	0.274	-0.39	22.26	22.50	0.536	2025/4/28	3#

NOTE: Body-Worn SAR test results of WCDMA Band 2

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	9400/1880	RMC12.2K	0.413	0.217	2.61	22.26	22.50	0.436	2025/4/28	
Back Side	9400/1880	RMC12.2K	0.507	0.274	-0.39	22.26	22.50	0.536	2025/4/28	3#
Left Side	9400/1880	RMC12.2K	0.208	0.108	-1.40	22.26	22.50	0.220	2025/4/28	

Right Side	9400/1880	RMC12.2K	0.053	0.028	-1.59	22.26	22.50	0.056	2025/4/28	
Top Side	9400/1880	RMC12.2K	0.265	0.136	1.20	22.26	22.50	0.280	2025/4/28	

NOTE: Hotspot SAR test results of WCDMA Band 2

10.1.4. SAR measurement Result of WCDMA Band 4

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	1413/1732.6	RMC12.2K	0.405	0.224	-0.98	21.24	21.50	0.430	2025/4/27	
Back Side	1413/1732.6	RMC12.2K	0.522	0.291	-0.53	21.24	21.50	0.554	2025/4/27	4#

NOTE: Body-Worn SAR test results of WCDMA Band 4

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	1413/1732.6	RMC12.2K	0.405	0.224	-0.98	21.24	21.50	0.430	2025/4/27	
Back Side	1413/1732.6	RMC12.2K	0.522	0.291	-0.53	21.24	21.50	0.554	2025/4/27	4#
Left Side	1413/1732.6	RMC12.2K	0.224	0.119	0.80	21.24	21.50	0.238	2025/4/27	
Right Side	1413/1732.6	RMC12.2K	0.053	0.029	3.01	21.24	21.50	0.056	2025/4/27	
Top Side	1413/1732.6	RMC12.2K	0.270	0.146	2.62	21.24	21.50	0.287	2025/4/27	

NOTE: Hotspot SAR test results of WCDMA Band 4

10.1.5. SAR measurement Result of WCDMA Band 5

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	4182/836.4	RMC12.2K	0.279	0.189	-2.15	22.81	23.00	0.291	2025/4/29	5#

Back Side	4182/836.4	RMC12.2K	0.232	0.151	1.03	22.81	23.00	0.242	2025/4/29	
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NOTE: Body-Worn SAR test results of WCDMA Band 5

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	4182/836.4	RMC12.2K	0.279	0.189	-2.15	22.81	23.00	0.291	2025/4/29	5#
Back Side	4182/836.4	RMC12.2K	0.232	0.151	1.03	22.81	23.00	0.242	2025/4/29	
Left Side	4182/836.4	RMC12.2K	0.140	0.091	-2.91	22.81	23.00	0.146	2025/4/29	
Right Side	4182/836.4	RMC12.2K	0.029	0.019	-2.62	22.81	23.00	0.030	2025/4/29	
Top Side	4182/836.4	RMC12.2K	0.261	0.177	2.56	22.81	23.00	0.273	2025/4/29	

NOTE: Hotspot SAR test results of WCDMA Band 5

10.1.6. SAR measurement Result of LTE Band 2

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	18900/1880	20M QPSK(1,49)	0.443	0.238	-1.75	22.12	22.50	0.484	2025/4/30	
Back Side	18900/1880	20M QPSK(1,49)	0.540	0.293	-0.40	22.12	22.50	0.589	2025/4/30	9#
50%RB										
Front Side	18900/1880	20M QPSK(50,49)	0.227	0.129	4.52	21.65	22.00	0.246	2025/4/30	
Back Side	18900/1880	20M QPSK(50,49)	0.277	0.170	0.65	21.65	22.00	0.300	2025/4/30	

NOTE: Body-Worn SAR test results of LTE Band 2

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										

Front Side	18900/1880	20M QPSK(1,49)	0.443	0.238	-1.75	22.12	22.50	0.484	2025/4/30	
Back Side	18900/1880	20M QPSK(1,49)	0.540	0.293	-0.40	22.12	22.50	0.589	2025/4/30	9#
Left Side	18900/1880	20M QPSK(1,49)	0.224	0.122	-2.91	22.12	22.50	0.244	2025/4/30	
Right Side	18900/1880	20M QPSK(1,49)	0.054	0.028	3.57	22.12	22.50	0.059	2025/4/30	
Top Side	18900/1880	20M QPSK(1,49)	0.270	0.147	3.00	22.12	22.50	0.295	2025/4/30	
50%RB										
Front Side	18900/1880	20M QPSK(50,49)	0.227	0.129	4.52	21.65	22.00	0.246	2025/4/30	
Back Side	18900/1880	20M QPSK(50,49)	0.277	0.170	0.65	21.65	22.00	0.300	2025/4/30	
Left Side	18900/1880	20M QPSK(50,49)	0.123	0.071	-5.00	21.65	22.00	0.133	2025/4/30	
Right Side	18900/1880	20M QPSK(50,49)	0.028	0.016	3.11	21.65	22.00	0.030	2025/4/30	
Top Side	18900/1880	20M QPSK(50,49)	0.156	0.080	1.88	21.65	22.00	0.169	2025/4/30	

NOTE: Hotspot SAR test results of LTE Band 2

10.1.7. SAR measurement Result of LTE Band 4

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	20175/1732.5	20M QPSK(1,49)	0.495	0.264	3.32	21.94	22.00	0.502	2025/4/27	
Back Side	20175/1732.5	20M QPSK(1,49)	0.623	0.343	-0.87	21.94	22.00	0.632	2025/4/27	10#
Left Side	20175/1732.5	20M QPSK(1,49)	0.264	0.145	3.19	21.94	22.00	0.268	2025/4/27	
Right Side	20175/1732.5	20M QPSK(1,49)	0.064	0.034	0.17	21.94	22.00	0.065	2025/4/27	
Top Side	20175/1732.5	20M QPSK(1,49)	0.325	0.174	2.17	21.94	22.00	0.330	2025/4/27	
Front Side										

Back Side	20175/1732.5	20M QPSK(1,49)	0.623	0.343	-0.87	21.94	22.00	0.632	2025/4/27	10#
Left Side	20175/1732.5	20M QPSK(1,49)	0.264	0.145	3.19	21.94	22.00	0.268	2025/4/27	

NOTE: Body-Worn SAR test results of LTE Band 4

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	20175/1732.5	20M QPSK(1,49)	0.495	0.264	3.32	21.94	22.00	0.502	2025/4/27	
Back Side	20175/1732.5	20M QPSK(1,49)	0.623	0.343	-0.87	21.94	22.00	0.632	2025/4/27	10#
Left Side	20175/1732.5	20M QPSK(1,49)	0.264	0.145	3.19	21.94	22.00	0.268	2025/4/27	
Right Side	20175/1732.5	20M QPSK(1,49)	0.064	0.034	0.17	21.94	22.00	0.065	2025/4/27	
Top Side	20175/1732.5	20M QPSK(1,49)	0.325	0.174	2.17	21.94	22.00	0.330	2025/4/27	
50%RB										
Front Side	20175/1732.5	20M QPSK(50,49)	0.251	0.148	4.25	20.91	21.50	0.288	2025/4/27	
Back Side	20175/1732.5	20M QPSK(50,49)	0.344	0.184	-3.55	20.91	21.50	0.394	2025/4/27	
Left Side	20175/1732.5	20M QPSK(50,49)	0.147	0.080	1.51	20.91	21.50	0.168	2025/4/27	
Right Side	20175/1732.5	20M QPSK(50,49)	0.034	0.018	0.59	20.91	21.50	0.039	2025/4/27	
Top Side	20175/1732.5	20M QPSK(50,49)	0.171	0.095	-0.26	20.91	21.50	0.196	2025/4/27	

NOTE: Hotspot SAR test results of LTE Band 4

10.1.8. SAR measurement Result of LTE Band 5

Test Position of Body-Worn	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g	Date	Plot
			1-g	10-g						

with 0mm								(W/Kg)		
1RB										
Front Side	20525/836.5	10M QPSK(1,24)	0.355	0.242	-0.42	24.15	24.50	0.385	2025/4/29	11#
Back Side	20525/836.5	10M QPSK(1,24)	0.320	0.212	1.47	24.15	24.50	0.347	2025/4/29	
50%RB										
Front Side	20525/836.5	10M QPSK(25,0)	0.213	0.139	2.84	23.56	24.00	0.236	2025/4/29	
Back Side	20525/836.5	10M QPSK(25,0)	0.181	0.114	-1.94	23.56	24.00	0.200	2025/4/29	

NOTE: Body-Worn SAR test results of LTE Band 5

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	20525/836.5	10M QPSK(1,24)	0.355	0.242	-0.42	24.15	24.50	0.385	2025/4/29	11#
Back Side	20525/836.5	10M QPSK(1,24)	0.320	0.212	1.47	24.15	24.50	0.347	2025/4/29	
Left Side	20525/836.5	10M QPSK(1,24)	0.180	0.121	-3.04	24.15	24.50	0.195	2025/4/29	
Right Side	20525/836.5	10M QPSK(1,24)	0.038	0.026	0.64	24.15	24.50	0.041	2025/4/29	
Top Side	20525/836.5	10M QPSK(1,24)	0.342	0.224	1.30	24.15	24.50	0.371	2025/4/29	
50%RB										
Front Side	20525/836.5	10M QPSK(25,0)	0.213	0.139	2.84	23.56	24.00	0.236	2025/4/29	
Back Side	20525/836.5	10M QPSK(25,0)	0.181	0.114	-1.94	23.56	24.00	0.200	2025/4/29	
Left Side	20525/836.5	10M QPSK(25,0)	0.097	0.070	-2.42	23.56	24.00	0.107	2025/4/29	
Right Side	20525/836.5	10M QPSK(25,0)	0.021	0.015	-4.47	23.56	24.00	0.023	2025/4/29	
Top	20525/836.5	10M	0.195	0.123	-0.66	23.56	24.00	0.216	2025/4/29	

Side		QPSK(25,0)								
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NOTE: Hotspot SAR test results of LTE Band 5

10.1.9. SAR measurement Result of LTE Band 7

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	21100/2535	20M QPSK(1,49)	0.277	0.135	-0.44	22.14	22.50	0.301	2025/5/01	12#
Back Side	21100/2535	20M QPSK(1,49)	0.240	0.111	0.28	22.14	22.50	0.261	2025/5/01	
50%RB										
Front Side	21100/2535	20M QPSK(50,0)	0.149	0.068	-1.90	21.58	22.00	0.164	2025/5/01	
Back Side	21100/2535	20M QPSK(50,0)	0.131	0.066	-4.98	21.58	22.00	0.144	2025/5/01	

NOTE: Body-Worn SAR test results of LTE Band 7

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	21100/2535	20M QPSK(1,49)	0.277	0.135	-0.44	22.14	22.50	0.301	2025/5/01	12#
Back Side	21100/2535	20M QPSK(1,49)	0.240	0.111	0.28	22.14	22.50	0.261	2025/5/01	
Left Side	21100/2535	20M QPSK(1,49)	0.160	0.078	-2.28	22.14	22.50	0.174	2025/5/01	
Right Side	21100/2535	20M QPSK(1,49)	0.029	0.014	0.98	22.14	22.50	0.032	2025/5/01	
Top Side	21100/2535	20M QPSK(1,49)	0.252	0.120	-3.26	22.14	22.50	0.274	2025/5/01	
50%RB										
Front Side	21100/2535	20M QPSK(50,0)	0.149	0.068	-1.90	21.58	22.00	0.164	2025/5/01	

Back Side	21100/2535	20M QPSK(50,0)	0.131	0.066	-4.98	21.58	22.00	0.144	2025/5/01	
Left Side	21100/2535	20M QPSK(50,0)	0.092	0.044	2.98	21.58	22.00	0.101	2025/5/01	
Right Side	21100/2535	20M QPSK(50,0)	0.015	0.008	3.94	21.58	22.00	0.017	2025/5/01	
Top Side	21100/2535	20M QPSK(50,0)	0.136	0.068	-3.66	21.58	22.00	0.150	2025/5/01	

NOTE: Hotspot SAR test results of LTE Band 7

10.1.10. SAR measurement Result of LTE Band 12

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23095/707.5	10M QPSK(1,24)	0.286	0.200	-0.12	22.61	23.00	0.313	2025/4/25	13#
Back Side	23095/707.5	10M QPSK(1,24)	0.240	0.168	0.92	22.61	23.00	0.263	2025/4/25	
50%RB										
Front Side	23095/707.5	10M QPSK(25,24)	0.167	0.101	-4.36	21.77	22.00	0.176	2025/4/25	
Back Side	23095/707.5	10M QPSK(25,24)	0.137	0.097	2.50	21.77	22.00	0.144	2025/4/25	

NOTE: Body-Worn SAR test results of LTE Band 12

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23095/707.5	10M QPSK(1,24)	0.286	0.200	-0.12	22.61	23.00	0.313	2025/4/25	13#
Back Side	23095/707.5	10M QPSK(1,24)	0.240	0.168	0.92	22.61	23.00	0.263	2025/4/25	
Left Side	23095/707.5	10M QPSK(1,24)	0.145	0.100	1.84	22.61	23.00	0.159	2025/4/25	

Right Side	23095/707.5	10M QPSK(1,24)	0.029	0.020	2.04	22.61	23.00	0.032	2025/4/25	
Top Side	23095/707.5	10M QPSK(1,24)	0.261	0.183	3.54	22.61	23.00	0.286	2025/4/25	
50%RB										
Front Side	23095/707.5	10M QPSK(25,24)	0.167	0.101	-4.36	21.77	22.00	0.176	2025/4/25	
Back Side	23095/707.5	10M QPSK(25,24)	0.137	0.097	2.50	21.77	22.00	0.144	2025/4/25	
Left Side	23095/707.5	10M QPSK(25,24)	0.073	0.055	4.98	21.77	22.00	0.077	2025/4/25	
Right Side	23095/707.5	10M QPSK(25,24)	0.016	0.011	-2.57	21.77	22.00	0.017	2025/4/25	
Top Side	23095/707.5	10M QPSK(25,24)	0.136	0.099	-1.47	21.77	22.00	0.143	2025/4/25	

NOTE: Hotspot SAR test results of LTE Band 12

10.1.11. SAR measurement Result of LTE Band 17

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23790/710	10M QPSK(1,24)	0.286	0.201	-2.28	22.66	23.00	0.309	2025/4/25	14#
Back Side	23790/710	10M QPSK(1,24)	0.248	0.174	1.41	22.66	23.00	0.268	2025/4/25	
50%RB										
Front Side	23790/710	10M QPSK(25,24)	0.161	0.119	2.74	21.79	22.00	0.169	2025/4/25	
Back Side	23790/710	10M QPSK(25,24)	0.142	0.092	3.06	21.79	22.00	0.149	2025/4/25	

NOTE: Body-Worn SAR test results of LTE Band 17

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										

Front Side	23790/710	10M QPSK(1,24)	0.286	0.201	-2.28	22.66	23.00	0.309	2025/4/25	14#
Back Side	23790/710	10M QPSK(1,24)	0.248	0.174	1.41	22.66	23.00	0.268	2025/4/25	
Left Side	23790/710	10M QPSK(1,24)	0.165	0.114	-1.87	22.66	23.00	0.178	2025/4/25	
Right Side	23790/710	10M QPSK(1,24)	0.029	0.020	3.51	22.66	23.00	0.031	2025/4/25	
Top Side	23790/710	10M QPSK(1,24)	0.279	0.196	1.38	22.66	23.00	0.302	2025/4/25	
50%RB										
Front Side	23790/710	10M QPSK(25,24)	0.161	0.119	2.74	21.79	22.00	0.169	2025/4/25	
Back Side	23790/710	10M QPSK(25,24)	0.142	0.092	3.06	21.79	22.00	0.149	2025/4/25	
Left Side	23790/710	10M QPSK(25,24)	0.086	0.061	2.84	21.79	22.00	0.090	2025/4/25	
Right Side	23790/710	10M QPSK(25,24)	0.016	0.011	-3.92	21.79	22.00	0.017	2025/4/25	
Top Side	23790/710	10M QPSK(25,24)	0.153	0.104	-0.49	21.79	22.00	0.161	2025/4/25	

NOTE: Hotspot SAR test results of LTE Band 17

10.1.12. SAR measurement Result of LTE Band 25

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	26365/1882.5	20M QPSK(1,49)	0.465	0.242	2.18	23.15	23.50	0.504	2025/4/30	
Back Side	26365/1882.5	20M QPSK(1,49)	0.602	0.326	-0.91	23.15	23.50	0.653	2025/4/30	15#
50%RB										
Front Side	26365/1882.5	20M QPSK(50,49)	0.234	0.137	0.23	22.17	22.50	0.252	2025/4/30	
Back Side	26365/1882.5	20M QPSK(50,49)	0.332	0.194	1.71	22.17	22.50	0.358	2025/4/30	

NOTE: Body-Worn SAR test results of LTE Band 25

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	26365/1882.5	20M QPSK(1,49)	0.465	0.242	2.18	23.15	23.50	0.504	2025/4/30	
Back Side	26365/1882.5	20M QPSK(1,49)	0.602	0.326	-0.91	23.15	23.50	0.653	2025/4/30	15#
Left Side	26365/1882.5	20M QPSK(1,49)	0.244	0.126	-0.41	23.15	23.50	0.264	2025/4/30	
Right Side	26365/1882.5	20M QPSK(1,49)	0.064	0.034	-0.49	23.15	23.50	0.069	2025/4/30	
Top Side	26365/1882.5	20M QPSK(1,49)	0.305	0.159	3.81	23.15	23.50	0.331	2025/4/30	
50%RB										
Front Side	26365/1882.5	20M QPSK(50,49)	0.234	0.137	0.23	22.17	22.50	0.252	2025/4/30	
Back Side	26365/1882.5	20M QPSK(50,49)	0.332	0.194	1.71	22.17	22.50	0.358	2025/4/30	
Left Side	26365/1882.5	20M QPSK(50,49)	0.141	0.072	3.28	22.17	22.50	0.152	2025/4/30	
Right Side	26365/1882.5	20M QPSK(50,49)	0.037	0.019	-1.56	22.17	22.50	0.040	2025/4/30	
Top Side	26365/1882.5	20M QPSK(50,49)	0.165	0.092	-0.23	22.17	22.50	0.178	2025/4/30	

NOTE: Hotspot SAR test results of LTE Band 25

10.1.13. SAR measurement Result of LTE Band 26a

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	26740/819	10M QPSK(1,24)	0.317	0.212	0.08	24.06	24.50	0.351	2025/4/29	16#
Back Side	26740/819	10M QPSK(1,24)	0.256	0.169	-2.03	24.06	24.50	0.283	2025/4/29	
50%RB										

Front Side	26740/819	10M QPSK(25,24)	0.185	0.120	-0.63	23.02	23.50	0.207	2025/4/29	
Back Side	26740/819	10M QPSK(25,24)	0.147	0.091	4.07	23.02	23.50	0.164	2025/4/29	

NOTE: Body-Worn SAR test results of LTE Band 26a

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	26740/819	10M QPSK(1,24)	0.317	0.212	0.08	24.06	24.50	0.351	2025/4/29	16#
Back Side	26740/819	10M QPSK(1,24)	0.256	0.169	-2.03	24.06	24.50	0.283	2025/4/29	
Left Side	26740/819	10M QPSK(1,24)	0.165	0.107	2.85	24.06	24.50	0.183	2025/4/29	
Right Side	26740/819	10M QPSK(1,24)	0.034	0.022	-1.69	24.06	24.50	0.038	2025/4/29	
Top Side	26740/819	10M QPSK(1,24)	0.315	0.202	0.28	24.06	24.50	0.349	2025/4/29	
50%RB										
Front Side	26740/819	10M QPSK(25,24)	0.185	0.120	-0.63	23.02	23.50	0.207	2025/4/29	
Back Side	26740/819	10M QPSK(25,24)	0.147	0.091	4.07	23.02	23.50	0.164	2025/4/29	
Left Side	26740/819	10M QPSK(25,24)	0.085	0.063	1.78	23.02	23.50	0.095	2025/4/29	
Right Side	26740/819	10M QPSK(25,24)	0.017	0.013	0.69	23.02	23.50	0.019	2025/4/29	
Bottom Side	26740/819	10M QPSK(25,24)	0.165	0.103	-1.67	23.02	23.50	0.184	2025/4/29	

NOTE: Hotspot SAR test results of LTE Band 26a

10.1.14. SAR measurement Result of LTE Band 26a

[illegible]

with 0mm										
1RB										
Front Side	26740/819	10M QPSK(1,24)	0.317	0.212	0.08	24.06	24.50	0.351	2025/4/29	16#
Back Side	26740/819	10M QPSK(1,24)	0.256	0.169	-2.03	24.06	24.50	0.283	2025/4/29	
50%RB										
Front Side	26740/819	10M QPSK(25,24)	0.185	0.120	-0.63	23.02	23.50	0.207	2025/4/29	
Back Side	26740/819	10M QPSK(25,24)	0.147	0.091	4.07	23.02	23.50	0.164	2025/4/29	

NOTE: Body-Worn SAR test results of LTE Band 26a

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	26865/831.5	15M QPSK(1,37)	0.318	0.212	0.58	23.91	24.00	0.325	2025/4/29	17#
Back Side	26865/831.5	15M QPSK(1,37)	0.264	0.167	-3.26	23.91	24.00	0.270	2025/4/29	
Left Side	26865/831.5	15M QPSK(1,37)	0.160	0.102	-0.92	23.91	24.00	0.163	2025/4/29	
Right Side	26865/831.5	15M QPSK(1,37)	0.036	0.024	-3.09	23.91	24.00	0.037	2025/4/29	
Top Side	26865/831.5	15M QPSK(1,37)	0.306	0.198	2.77	23.91	24.00	0.312	2025/4/29	
50%RB										
Front Side	26865/831.5	15M QPSK(36,18)	0.177	0.116	-1.32	23.00	23.50	0.199	2025/4/29	
Back Side	26865/831.5	15M QPSK(36,18)	0.144	0.099	-3.77	23.00	23.50	0.162	2025/4/29	
Left Side	26865/831.5	15M QPSK(36,18)	0.083	0.058	3.78	23.00	23.50	0.093	2025/4/29	
Right Side	26865/831.5	15M QPSK(36,18)	0.018	0.012	-2.51	23.00	23.50	0.020	2025/4/29	

Top Side	26865/831.5	15M QPSK(36,18)	0.165	0.105	0.36	23.00	23.50	0.185	2025/4/29	
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NOTE: Hotspot SAR test results of LTE Band 26a

10.1.15. SAR measurement Result of LTE Band 38

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	38000/2595	20M QPSK(1,49	0.169	0.081	4.41	23.11	23.50	0.185	2025/5/01	18#
Back Side	38000/2595	20M QPSK(1,49	0.152	0.073	-1.84	23.11	23.50	0.166	2025/5/01	
50%RB										
Front Side	38000/2595	20M QPSK(50,0)	0.100	0.048	3.73	22.04	22.50	0.111	2025/5/01	
Back Side	38000/2595	20M QPSK(50,0)	0.082	0.043	0.42	22.04	22.50	0.091	2025/5/01	

NOTE: Body-Worn SAR test results of LTE Band 38

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	38000/2595	20M QPSK(1,49	0.169	0.081	4.41	23.11	23.50	0.185	2025/5/01	18#
Back Side	38000/2595	20M QPSK(1,49	0.152	0.073	-1.84	23.11	23.50	0.166	2025/5/01	
Left Side	38000/2595	20M QPSK(1,49	0.085	0.039	2.76	23.11	23.50	0.093	2025/5/01	
Right Side	38000/2595	20M QPSK(1,49	0.017	0.015	3.95	23.11	23.50	0.019	2025/5/01	
Top Side	38000/2595	20M QPSK(1,49	0.162	0.075	3.70	23.11	23.50	0.177	2025/5/01	
50%RB										
Front	38000/2595	20M QPSK(50,0)	0.100	0.048	3.73	22.04	22.50	0.111	2025/5/01	

Side										
Back Side	38000/2595	20M QPSK(50,0)	0.082	0.043	0.42	22.04	22.50	0.091	2025/5/01	
Left Side	38000/2595	20M QPSK(50,0)	0.050	0.023	3.29	22.04	22.50	0.056	2025/5/01	
Right Side	38000/2595	20M QPSK(50,0)	0.010	0.008	-0.62	22.04	22.50	0.011	2025/5/01	
Top Side	38000/2595	20M QPSK(50,0)	0.089	0.042	2.55	22.04	22.50	0.099	2025/5/01	

NOTE: Hotspot SAR test results of LTE Band 38

10.1.16. SAR measurement Result of LTE Band 41

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	40620/2593	20M QPSK(1,49)	0.139	0.067	4.84	23.36	23.50	0.144	2025/5/01	19#
Back Side	40620/2593	20M QPSK(1,49)	0.136	0.065	-2.43	23.36	23.50	0.140	2025/5/01	
50%RB										
Front Side	40620/2593	20M QPSK(50,0)	0.083	0.036	-4.41	22.28	22.50	0.087	2025/5/01	
Back Side	40620/2593	20M QPSK(50,0)	0.079	0.033	2.77	22.28	22.50	0.083	2025/5/01	

NOTE: Body-Worn SAR test results of LTE Band 41

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	40620/2593	20M QPSK(1,49)	0.139	0.067	4.84	23.36	23.50	0.144	2025/5/01	19#
Back Side	40620/2593	20M QPSK(1,49)	0.136	0.065	-2.43	23.36	23.50	0.140	2025/5/01	
Left	40620/2593	20M	0.075	0.035	2.01	23.36	23.50	0.077	2025/5/01	

Side		QPSK(1,49)								
Right Side	40620/2593	20M QPSK(1,49)	0.018	0.016	1.35	23.36	23.50	0.019	2025/5/01	
Top Side	40620/2593	20M QPSK(1,49)	0.135	0.063	-0.75	23.36	23.50	0.139	2025/5/01	
50%RB										
Front Side	40620/2593	20M QPSK(50,0)	0.083	0.036	-4.41	22.28	22.50	0.087	2025/5/01	
Back Side	40620/2593	20M QPSK(50,0)	0.079	0.033	2.77	22.28	22.50	0.083	2025/5/01	
Left Side	40620/2593	20M QPSK(50,0)	0.043	0.021	-4.47	22.28	22.50	0.045	2025/5/01	
Right Side	40620/2593	20M QPSK(50,0)	0.010	0.009	-2.21	22.28	22.50	0.011	2025/5/01	
Top Side	40620/2593	20M QPSK(50,0)	0.074	0.034	3.56	22.28	22.50	0.078	2025/5/01	

NOTE: Hotspot SAR test results of LTE Band 41

10.1.17. SAR measurement Result of LTE Band 66

Test Position of Body-Worn with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	132322/1745	20M QPSK(1,0)	0.443	0.238	-1.47	22.48	23.00	0.499	2025/4/27	
Back Side	132322/1745	20M QPSK(1,0)	0.588	0.323	-1.11	22.48	23.00	0.663	2025/4/27	20#
50%RB										
Front Side	132322/1745	20M QPSK(50,0)	0.262	0.142	-4.60	21.52	22.00	0.293	2025/4/27	
Back Side	132322/1745	20M QPSK(50,0)	0.295	0.178	-1.20	21.52	22.00	0.329	2025/4/27	

NOTE: Body-Worn SAR test results of LTE Band 66

Test Position of Hotspot with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						