SAR TEST REPORT

No. 24T04Z100816-014

For

Shenzhen Tinno Mobile Technology Corp.

Smart Phone

Model Name: U655AA,U655AC

FCC ID: XD6U655AA

with

Hardware Version: V1.0

Software Version: U655AAV01.03_9.10/U655ACV01.02.10

Issued Date: 2024-7-5

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

Tel:+86(0)10-62304633-2512, Fax:+86(0)10-62304633-2504

Email: cttl_terminals@caict.ac.cn, website: www.caict.ac.cn

REPORT HISTORY

Report Number	Revision	Issue Date	Description
24T04Z100816-014	Rev.0	2024-7-5	Initial creation of test report

TABLE OF CONTENT

1 Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

1.2. Testing Location

Location 1: CTTL(Huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191

1.3. Testing Environment

Normal Temperature:	15-35℃
Extreme Temperature:	-10/+55℃
Relative Humidity:	20-75%

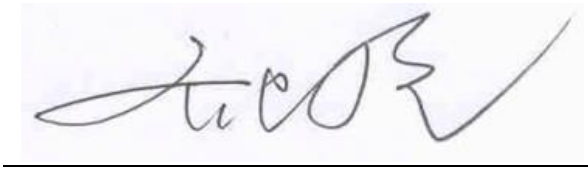
1.4. Project data

Testing Start Date:	2024-5-23
Testing End Date:	2024-6-24

1.5. Signature

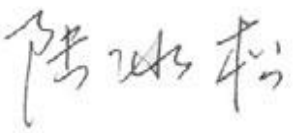
Yao Juming

(Prepared this test report)



Qi Dianyuan

(Reviewed this test report)



Lu Bingsong

Deputy Director of the laboratory

(Approved this test report)

2 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for Shenzhen Tinno Mobile Technology Corp. Smart Phone U655AA,U655AC are as follows:

Table 2.1: Highest Reported SAR (1g)

Technology Band	Antenna	Head	Hotspot	Body Worn	Phablet-10g	Equipment Class
WCDMA1900	1	0.15	1.26	0.57	3.16	PCE
WCDMA1700	1	0.15	1.21	1.04	3.13	
WCDMA 850	1	0.32	0.29	0.32	\	
LTE Band2	1	0.16	1.19	0.43	3.18	
LTE Band2	5	0.68	0.74	0.33	\	
LTE Band5	1	0.36	0.39	0.36	\	
LTE Band7	1	0.06	1.19	0.30	\	
LTE Band12	1	0.22	0.28	0.13	\	
LTE Band12	5	0.37	0.05	0.06	\	
LTE Band14	1	0.38	0.37	0.37	\	
LTE Band30	1	0.28	0.73	0.24	\	
LTE Band30	5	0.69	0.70	0.42	\	
LTE Band66	1	0.12	1.27	0.90	3.17	
LTE Band66	5	0.48	0.65	0.37	\	
5G NR n2	1	0.17	1.26	0.43	3.02	
5G NR n2	5	0.71	0.75	0.60	\	
5G NR n5	1	0.40	0.42	0.36	\	
5G NR n30	1	0.25	0.45	0.24	\	
5G NR n66	1	0.13	1.29	0.79	2.76	
5G NR n66	5	0.56	0.79	0.36	\	
5G NR n77	4	1.24	1.16	0.58	\	
WLAN 2.4GHz	7	1.11	0.36	0.17	0.91	DTS
WLAN 5GHz	7	1.09	1.02	0.51	1.18	NII
BT	7	0.15	0.02	<0.01	0.09	DSS

Remark：

This device supports both LTE B4 and LTE B66.Since the supported frequency span for LTE B4 falls completely within the supports frequency span for LTE B66, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE B66.

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

For body operation, this device has been tested and meets FCC RF exposure guidelines when used with any accessory that contains no metal and which provides a minimum separation distance of 15 mm between this device and the body of the user. Use of other accessories may not

ensure compliance with FCC RF exposure guidelines.
The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power output.

The measurement together with the test system set-up is described in annex C of this test report. A detailed description of the equipment under test can be found in chapter 4 of this test report. The highest reported SAR value is obtained at the case of **(Table 2.1),** and the values are**:**
Head: 1.24 W/kg(1g)
Hotspot: 1.29 W/kg(1g)
Body worn: 1.04 W/kg(1g).

Table 2.2: The sum of SAR values for Main antenna+WiFi5G+BT

	Position	**ENDC-NR**	**ENDC-LTE**	**WiFi-5G**	**BT**	**Sum**
Highest SAR value for Head	Right head, Cheek	1.24 (N77-ANT4)	\	0.27	0.06	**1.57**
Highest SAR value for Body	Rear 10mm	0.69 (N77-ANT4)	0.56 (LTE B66-ANT1)	0.30	0.02	**1.57**

According to the above tables, the highest sum of reported SAR values is **1.57 W/kg (1g)**. The detail for simultaneous transmission consideration is described in chapter 13.

3 Client Information

3.1 Applicant Information

Company Name:	Shenzhen Tinno Mobile Technology Corp.
Address/Post:	27-001, South Side of Tianlong Mobile Headquarters Building, Tongfa South Road, Xili Community, Xili Street, Nanshan District, Shenzhen ,PRC
Contact Person:	xiaoping.li
Contact Email:	xiaoping.li@tinno.com
Telephone:	0755-86095550
Fax:	0755-86095551

3.2 Manufacturer Information

Company Name:	Shenzhen Tinno Mobile Technology Corp.
Address/Post:	27-001, South Side of Tianlong Mobile Headquarters Building, Tongfa South Road, Xili Community, Xili Street, Nanshan District, Shenzhen ,PRC
Contact Person:	xiaoping.li
Contact Email:	xiaoping.li@tinno.com
Telephone:	0755-86095550
Fax:	0755-86095551

4 Equipment Under Test (EUT) and Ancillary Equipment (AE)

4.1 About EUT

Description:	Smart Phone
Model name:	U655AA,U655AC
Operating mode(s):	WCDMA850/900/1700/1900/2100 LTE Band 2/3/4/5/7/12/14/20/29/30/66 BT, NFC, Wi-Fi(2.4G/5G), NR 5G n2/n5/n30/n66/n77
Tested Tx Frequency:	824 – 849 MHz (WCDMA 850 Band V)
	1710-1755 MHz (WCDMA1700 Band IV)
	1850 – 1910 MHz (WCDMA1900 Band II)
	1710-1755 MHz (WCDMA1700 Band IV)
	1850.7 – 1909.3 MHz (LTE Band 2)
	869 – 894 MHz (LTE Band 5)
	2502.5 – 2567.5 MHz (LTE Band 7)
	699.7 – 715.3 MHz (LTE Band 12)
	790.5 – 795.5 MHz (LTE Band 14)
	2307.5 – 2312.5 MHz (LTE Band 30)
	1710.7 –1779.3 MHz (LTE Band 66)
	1852.5 – 1907.5 MHz(n2)
	824 – 849 MHz(n5)
	2305 – 2315 MHz (n30)
	1710 – 1780 MHz (n66)
	3450– 3550 MHz ,3700– 3980 MHz (n77)
	2412 – 2462 MHz (Wi-Fi 2.4G)
	5180 – 5240 MHz (Wi-Fi 5.2G)
	5260 – 5320 MHz (Wi-Fi 5.3G)
	5500 – 5720 MHz (Wi-Fi 5.5G)
	5745 – 5825 MHz (Wi-Fi 5.8G)
	2400 – 2483.5 MHz (Bluetooth)
GPRS/EGPRS Multislot Class:	12
Test device Production information:	Production unit
Device type:	Portable device
Antenna type:	Integrated antenna
Hotspot mode:	Support

Note: This DUT has NFC operations. The NFC antenna is integrated into the device for this model. According to KDB 447498 D01 v06 and KDB 648474 D04 v01r03 chapter 8, all SAR tests were performed and evaluated with the device which already incorporates the NFC antenna.

4.2 Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version
EUT1	861709070008614	V1.0	U655AAV01.03_9.10
EUT2	861709070009794	V1.0	U655AAV01.03_9.10
EUT3	861709070008861	V1.0	U655AAV01.03_9.10
EUT4	861709070008515	V1.0	U655AAV01.03_9.10
EUT5	861709070010388	V1.0	U655AAV01.03_9.10
EUT6	861709070010495	V1.0	U655AAV01.03_9.10

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

Note: It is performed to test SAR with the EUT1-4 and conducted power with the EUT5-6.

4.3 Internal Identification of AE used during the test

AE ID*	Description	Model	SN	Manufacturer
AE1	Battery	486786	/	Guangdong Fenghua New Energy Co.,Ltd.

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

5 TEST METHODOLOGY

5.1 Applicable Limit Regulations

ANSI C95.1–1992: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

It specifies the maximum exposure limit of **1.6 W/kg** as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.

5.2 Applicable Measurement Standards

IEEE 1528–2013: Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques.

KDB447498 D01: General RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

KDB648474 D04 Handset SAR v01r03: SAR Evaluation Considerations for Wireless Handsets.

KDB941225 D01 SAR test for 3G devices v03r01: SAR Measurement Procedures for 3G Devices

KDB941225 D05 SAR for LTE Devices v02r05: SAR Evaluation Considerations for LTE Devices

KDB941225 D06 Hotspot Mode SAR v02r01: SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities

KDB248227 D01 802.11 Wi-Fi SAR v02r02: SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

KDB865664 D01SAR measurement 100 MHz to 6 GHz v01r04: SAR Measurement Requirements for 100 MHz to 6 GHz.

KDB865664 D02 RF Exposure Reporting v01r02: RF Exposure Compliance Reporting and Documentation Considerations

6 Specific Absorption Rate (SAR)

6.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

6.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ) . The equation description is as below:

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

SAR is expressed in units of Watts per kilogram (W/kg)
SAR measurement can be either related to the temperature elevation in tissue by

$$SAR = c\left(\frac{\delta T}{\delta t}\right)$$

Where: C is the specific head capacity, δT is the temperature rise and δt is the exposure duration, or related to the electrical field in the tissue by

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

Where: σ is the conductivity of the tissue, ρ is the mass density of tissue and E is the RMS electrical field strength.

However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

7 Tissue Simulating Liquids

7.1 Targets for tissue simulating liquid

Table 7.1: Targets for tissue simulating liquid

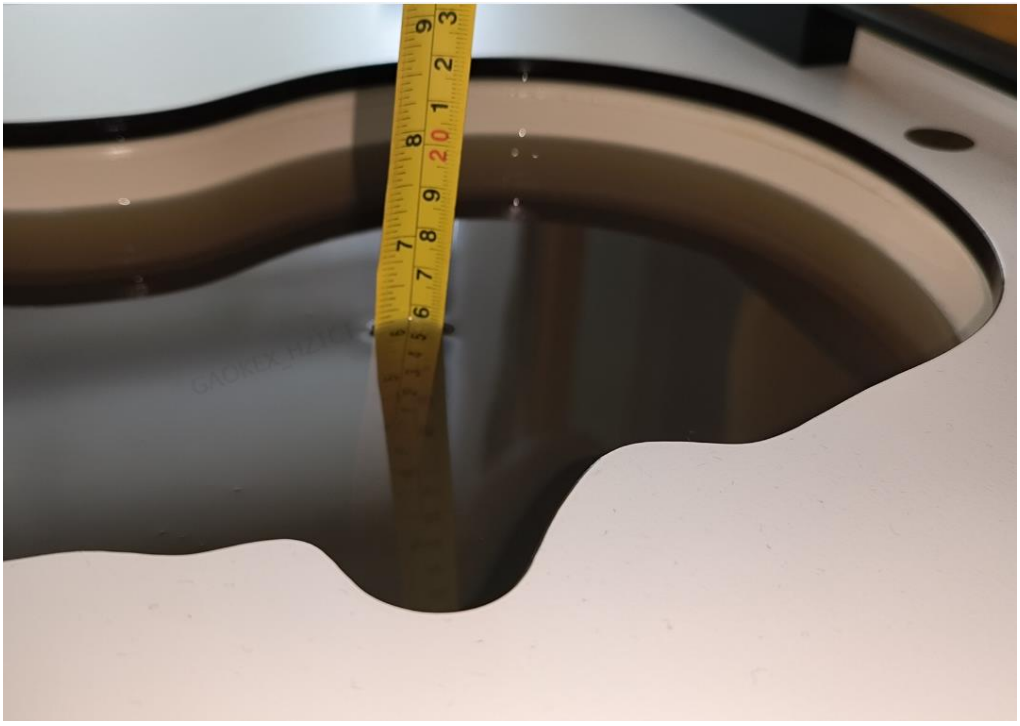
Frequency(MHz)	Liquid Type	Conductivity(σ)	± 5% Range	Permittivity(ε)	± 5% Range
750	Head	0.89	0.85～0.93	41.94	39.8～44.0
835	Head	0.90	0.86～0.95	41.50	39.40～43.60
1800	Head	1.40	1.33～1.47	40.0	38.0～42.0
1900	Head	1.40	1.33～1.47	40.00	38.00～42.00
2300	Head	1.67	1.50～1.84	39.47	37.5～41.4
2450	Head	1.80	1.71～1.89	39.20	37.30～41.10
2600	Head	1.96	1.86～2.06	39.01	37.06～40.96
3500	Head	2.91	2.76～3.06	37.93	36.03～39.83
3700	Head	3.22	3.06~3.38	37.6	35.72~39.48
3900	Head	3.32	3.15~3.49	37.5	35.63~39.38
5250	Head	4.71	4.47～4.95	35.93	34.13～37.73
5600	Head	5.07	4.82～5.32	35.53	33.8～37.3
5750	Head	5.22	4.96～5.48	35.36	33.59～37.13

7.2 Dielectric Performance

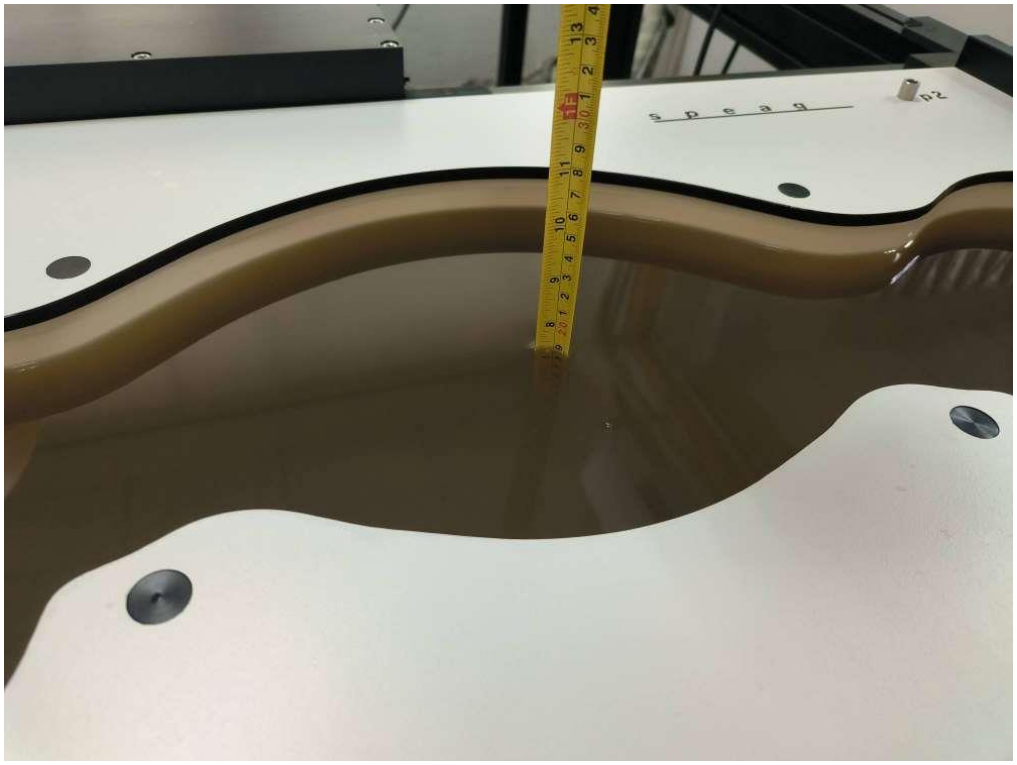
Table 7.2: Dielectric Performance of Tissue Simulating Liquid

Measurement Date (yyyy-mm-dd)	Type	Frequency	Permittivity ε	Drift (%)	Conductivity σ (S/m)	Drift (%)
2024/6/11	Head	750 MHz	41.68	-0.62%	0.913	2.58%
2024/5/23	Head	835 MHz	41.21	-0.70%	0.928	3.11%
2024/5/25	Head	835 MHz	41.06	-1.06%	0.91	1.11%
2024/5/28	Head	1800 MHz	40.26	0.65%	1.374	-1.86%
2024/6/19	Head	1800 MHz	40.11	0.27%	1.36	-2.86%
2024/6/4	Head	1900 MHz	40.15	0.37%	1.394	-0.43%
2024/6/20	Head	1900 MHz	40.31	0.78%	1.381	-1.36%
2024/6/12	Head	2300 MHz	38.87	-1.52%	1.72	2.99%
2024/6/13	Head	2450 MHz	38.85	-0.89%	1.741	-3.28%
2024/6/18	Head	2600 MHz	38.78	-0.59%	1.952	-0.41%
2024/6/22	Head	3500 MHz	38.33	1.05%	2.82	-3.09%
2024/6/23	Head	3700 MHz	38.2	1.33%	3.158	1.22%
2024/6/24	Head	3900 MHz	38.04	1.52%	3.365	1.36%
2024/6/14	Head	5250 MHz	36.12	0.53%	4.663	-1.00%
2024/6/15	Head	5600 MHz	35.47	-0.17%	5.094	0.47%
2024/6/16	Head	5750 MHz	35.22	-0.40%	5.284	1.23%

Note: The liquid temperature is 22.0°C



Picture 7-1 Liquid depth in the Head Phantom

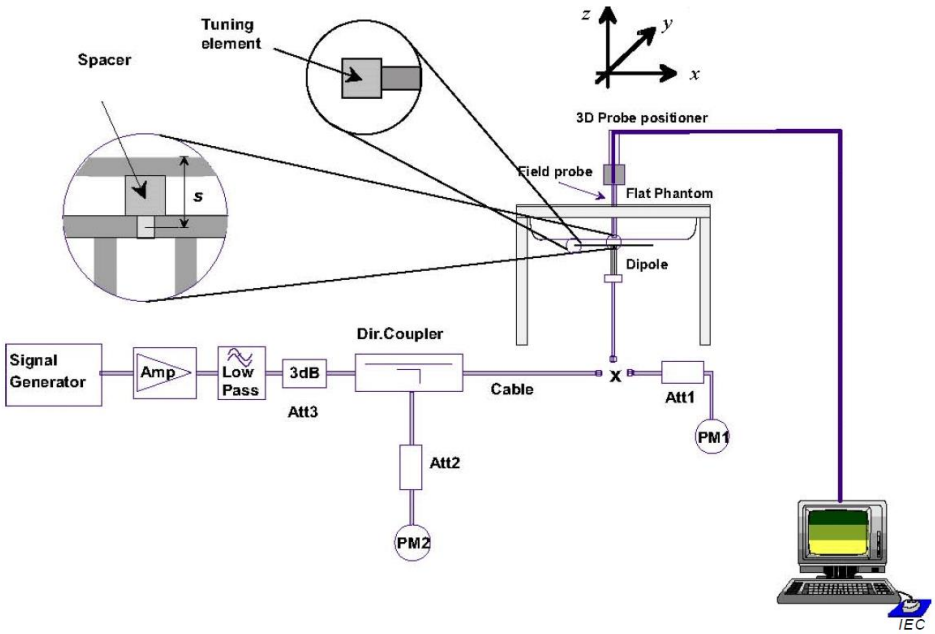


Picture 7-2 Liquid depth in the Flat Phantom

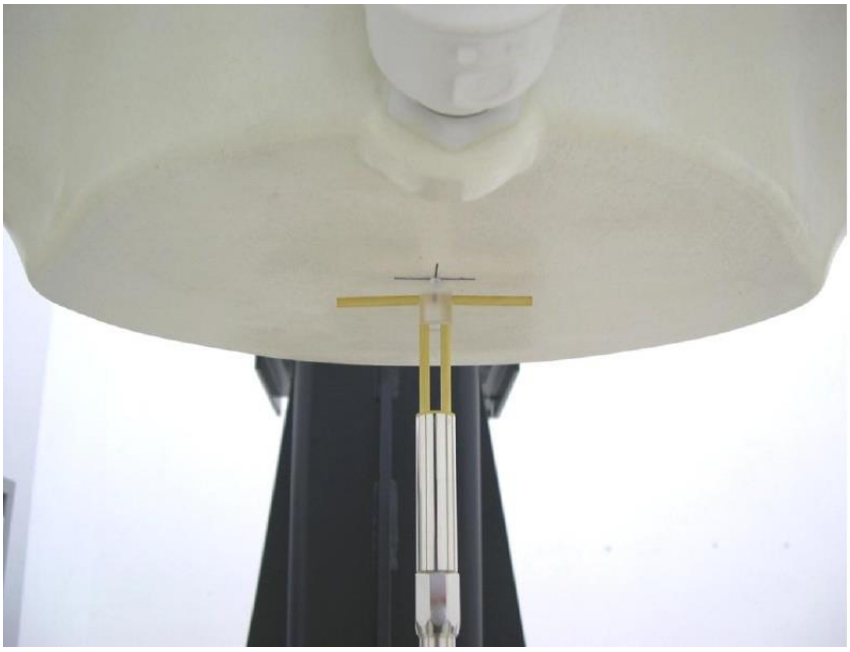
8 System verification

8.1 System Setup

In the simplified setup for system evaluation, the DUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



Picture 8.1 System Setup for System Evaluation



Picture 8.2 Photo of Dipole Setup

8.2 System Verification

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device.

The system verification results are required that the area scan estimated 1-g SAR is within 3% of the zoom scan 1-g SAR. The details are presented in annex B.

Table 8.1: System Verification of Head

Measurement Date (yyyy-mm-dd)	Frequency	Target value (W/kg)		Measured value(W/kg)		Deviation	
		10 g Average	1 g Average	10 g Average	1 g Average	10 g Average	1 g Average
2024/6/11	750 MHz	5.49	8.42	5.32	8.16	-3.10%	-3.09%
2024/5/23	835 MHz	6.25	9.62	6.4	9.88	2.40%	2.70%
2024/5/25	835 MHz	6.25	9.62	6.2	9.52	-0.80%	-1.04%
2024/5/28	1800 MHz	19.8	37.9	19.32	36.88	-2.42%	-2.69%
2024/6/19	1800 MHz	19.8	37.9	19.12	36.72	-3.43%	-3.11%
2024/6/4	1900 MHz	20.7	39.8	21	40.24	1.45%	1.11%
2024/6/20	1900 MHz	20.7	39.8	21.12	40.52	2.03%	1.81%
2024/6/12	2300 MHz	24	49.1	24.84	51	3.50%	3.87%
2024/6/13	2450 MHz	24.7	52.1	25.04	52.96	1.38%	1.65%
2024/6/18	2600 MHz	25.1	55.2	24.88	54.64	-0.88%	-1.01%
2024/6/22	3500 MHz	25.2	66.9	24.3	64.4	-3.57%	-3.74%
2024/6/23	3700 MHz	24.7	67.8	24.8	68.1	0.40%	0.44%
2024/6/24	3900 MHz	24.2	69.9	23.9	69	-1.24%	-1.29%
2024/6/14	5250 MHz	22.8	79.6	22.4	78.6	-1.75%	-1.26%
2024/6/15	5600 MHz	23.8	83.6	24.6	85.9	3.36%	2.75%
2024/6/16	5750 MHz	22.7	80.5	22.9	81.3	0.88%	0.99%

9 Measurement Procedures

9.1 Tests to be performed

In order to determine the highest value of the peak spatial-average SAR of a handset, all device positions, configurations and operational modes shall be tested for each frequency band according to steps 1 to 3 below. A flowchart of the test process is shown in picture 9.1.

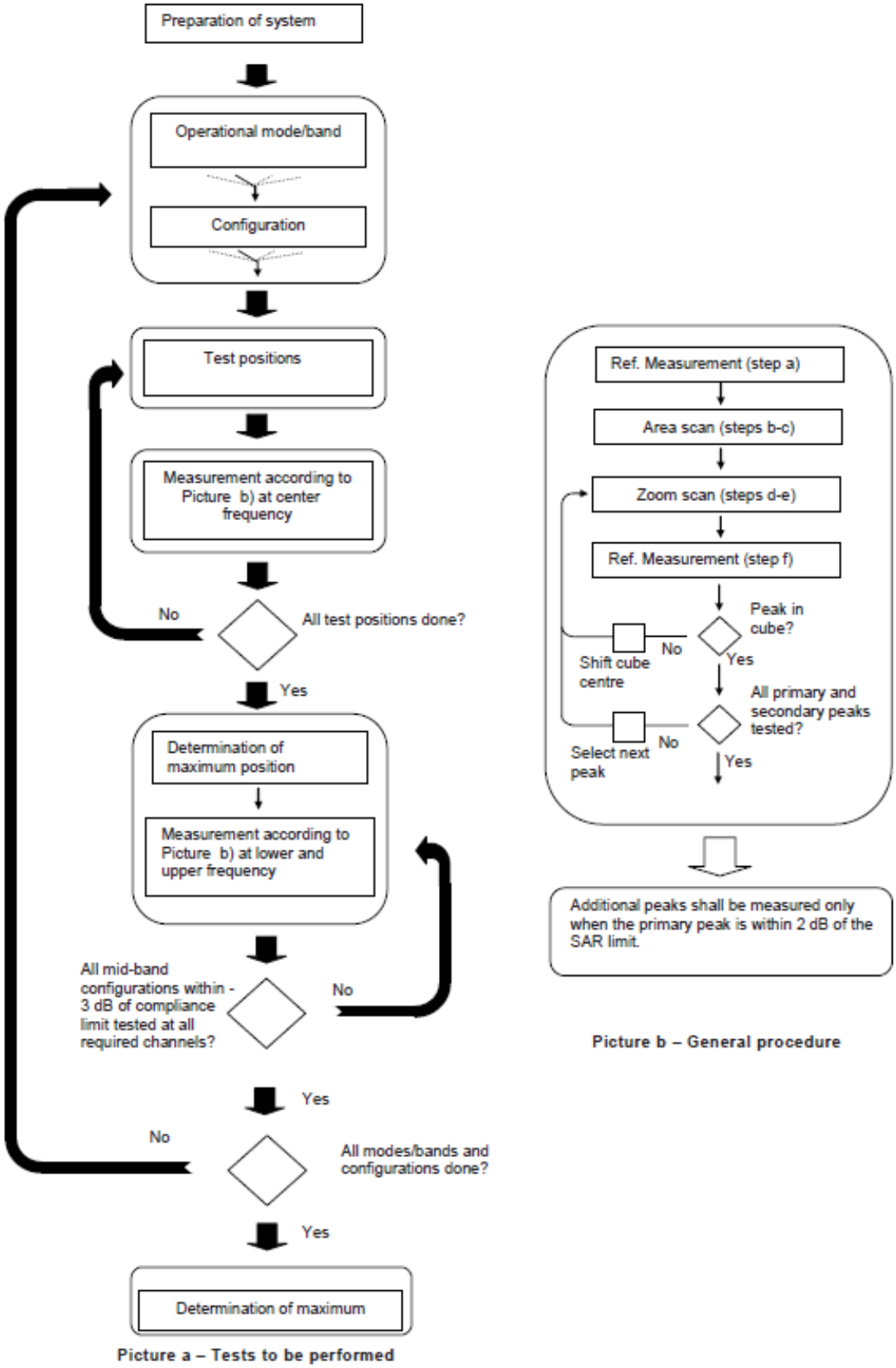
Step 1: The tests described in 9.2 shall be performed at the channel that is closest to the centre of the transmit frequency band (f_c) for:

a) all device positions (cheek and tilt, for both left and right sides of the SAM phantom, as described in annex D),
b) all configurations for each device position in a), e.g., antenna extended and retracted, and
c) all operational modes, e.g., analogue and digital, for each device position in a) and configuration in b) in each frequency band.

If more than three frequencies need to be tested according to 11.1 (i.e., N_c > 3), then all frequencies, configurations and modes shall be tested for all of the above test conditions.

Step 2: For the condition providing highest peak spatial-average SAR determined in Step 1,perform all tests described in 9.2 at all other test frequencies, i.e., lowest and highest frequencies. In addition, for all other conditions (device position, configuration and operational mode) where the peak spatial-average SAR value determined in Step 1 is within3 dB of the applicable SAR limit, it is recommended that all other test frequencies shall be tested as well.

Step 3: Examine all data to determine the highest value of the peak spatial-average SAR found in Steps 1 to 2.



Picture 9.1Block diagram of the tests to be performed

9.2 General Measurement Procedure

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements and fully documented in SAR reports to qualify for TCB approval. Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2003. The results should be documented as part of the system validation records and may be requested to support test results when all the measurement parameters in the following table are not satisfied.

<table>
<tr><td colspan="3"></td><td>≤ 3 GHz</td><td>> 3 GHz</td></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5 ± 1 mm</td><td>½·δ·ln(2) ± 0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30° ± 1°</td><td>20° ± 1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3 – 4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}</td><td>≤ 2 GHz: ≤ 8 mm
2 – 3 GHz: ≤ 5 mm*</td><td>3 – 4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="3">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2">uniform grid: $\Delta z_{Zoom}(n)$</td><td>≤ 5 mm</td><td>3 – 4 GHz: ≤ 4 mm
4 – 5 GHz: ≤ 3 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="2">graded grid</td><td>$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface</td><td>≤ 4 mm</td><td>3 – 4 GHz: ≤ 3 mm
4 – 5 GHz: ≤ 2.5 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td>$\Delta z_{Zoom}(n>1)$: between subsequent points</td><td colspan="2">≤ 1.5·$\Delta z_{Zoom}(n-1)$</td></tr>
<tr><td>Minimum zoom scan volume</td><td colspan="2">x, y, z</td><td>≥ 30 mm</td><td>3 – 4 GHz: ≥ 28 mm
4 – 5 GHz: ≥ 25 mm
5 – 6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
* When zoom scan is required and the <u>reported</u> SAR from the area scan based 1-g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.</td></tr>
</table>

9.3 WCDMA Measurement Procedures for SAR

The following procedures are applicable to WCDMA handsets operating under 3GPP Release99, Release 5 and Release 6. The default test configuration is to measure SAR with an established radio link between the DUT and a communication test set using a 12.2kbps RMC (reference measurement channel) configured in Test Loop Mode 1. SAR is selectively confirmed for other physical channel configurations (DPCCH & DPDCH$_n$), HSDPA and HSPA (HSUPA/HSDPA) modes according to output power, exposure conditions and device operating capabilities. Both uplink and downlink should be configured with the same RMC or AMR, when required. SAR for Release 5 HSDPA and Release 6 HSPA are measured using the applicable FRC (fixed reference channel) and E-DCH reference channel configurations. Maximum output power is verified according to applicable versions of 3GPP TS 34.121 and SAR must be measured according to these maximum output conditions. When Maximum Power Reduction (MPR) is not implemented according to Cubic Metric (CM) requirements for Release 6 HSPA, the following procedures do not apply.

For Release 5 HSDPA Data Devices:

Sub-test	β_c	β_d	β_d （SF）	β_c/β_d	β_{hs}	CM/dB
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15	15/15	64	12/15	24/25	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

For Release 6 HSPA Data Devices

Sub-test	β_c	β_d	β_d （SF）	β_c/β_d	β_{hs}	β_{ec}	β_{ed}	β_{ed} （SF）	β_{ed} （codes）	CM (dB)	MPR (dB)	AG Index	E-TFCI
1	11/15	15/15	64	11/15	22/15	209/225	1039/225	4	1	1.5	1.5	20	75
2	6/15	15/15	64	6/15	12/15	12/15	12/15	4	1	1.5	1.5	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1}:47/15 β_{ed2}:47/15	4	2	1.5	1.5	15	92
4	2/15	15/15	64	2/15	4/15	4/15	56/75	4	1	1.5	1.5	17	71
5	15/15	15/15	64	15/15	24/15	30/15	134/15	4	1	1.5	1.5	21	81

Rel.8 DC-HSDPA (Cat 24)

SAR test exclusion for Rel.8 DC-HSDPA must satisfy the SAR test exclusion requirements of Rel.5 HSDPA. SAR test exclusion for DC-HSDPA devices is determined by power measurements according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to qualify for SAR test exclusion.

9.4 SAR Measurement for LTE

SAR tests for LTE are performed with a base station simulator, Rohde & Rchwarz CMW500. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. All powers were measured with the CMW 500.

It is performed for conducted power and SAR based on the KDB941225 D05.

SAR is evaluated separately according to the following procedures for the different test positions in each exposure condition – head, body, body-worn accessories and other use conditions. The procedures in the following subsections are applied separately to test each LTE frequency band.

1) QPSK with 1 RB allocation

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

2) QPSK with 50% RB allocation

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

3) QPSK with 100% RB allocation

   For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

TDD test:

TDD testing is performed using guidance from FCC KDB 941225 D05 and the SAR test guidance provided in April 2013 TCB works hop notes. TDD is tested at the highest duty factor using UL-DL configuration 0 with special subframe configuration 6 and applying the FDD LTE procedures in KDB 941225 D05. SAR testing is performed using the extended cyclic prefix listed in 3GPP TS 36.211.

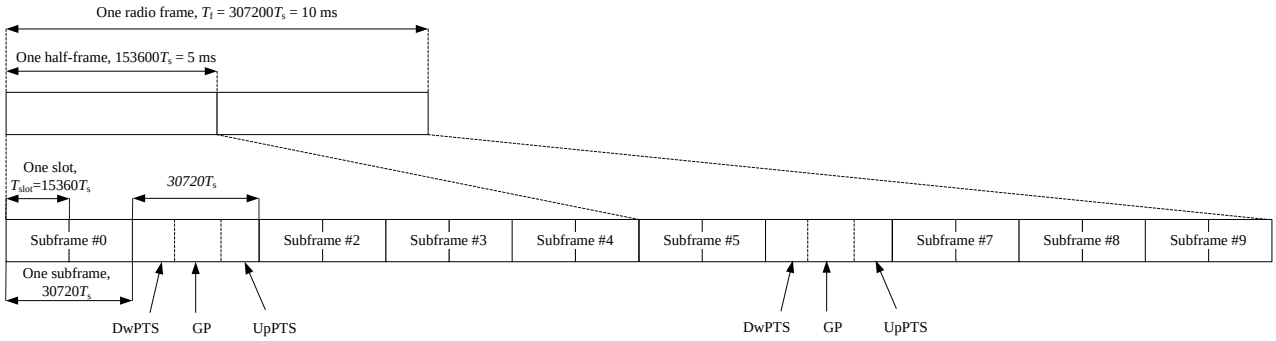


Figure 9.2: Frame structure type 2 (for 5 ms switch-point periodicity)

Table 9.1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

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

Table 9.2: Uplink-downlink configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Duty factor is calculated by:

Duty factor = uplink frame*6+UpPTS*2/one frame length

= (30720.T_s * 6+5120. T_s*2)/307200.T_s

= 0.633

9.5 Bluetooth & Wi-Fi Measurement Procedures for SAR

Normal network operating configurations are not suitable for measuring the SAR of 802.11 transmitters in general. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure that the results are consistent and reliable.

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in a test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. The test frequencies should correspond to actual channel frequencies defined for domestic use. SAR for devices with switched diversity should be measured with only one antenna transmitting at a time during each SAR measurement, according to a fixed modulation and data rate. The same data pattern should be used for all measurements.

9.6 Power Drift

To control the output power stability during the SAR test, DASY5 system calculates the power drift by measuring the E-field at the same location at the beginning and at the end of the measurement for each test position. These drift values can be found in section14 labeled as: (Power Drift [dB]). This ensures that the power drift during one measurement is within 5%.

10 Area Scan Based 1-g SAR

10.1 Requirement of KDB

According to the KDB447498 D01, when the implementation is based the specific polynomial fit algorithm as presented at the 29th Bioelectromagnetics Society meeting (2007) and the estimated 1-gSAR is ≤ 1.2 W/kg, a zoom scan measurement is not required provided it is also not needed for any other purpose; for example, if the peak SAR location required for simultaneous transmission SAR test exclusion can be determined accurately by the SAR system or manually to discriminate between distinctive peaks and scattered noisy SAR distributions from area scans.

There must not be any warning or alert messages due to various measurement concerns identified by the SAR system; for example, noise in measurements, peaks too close to scan boundary, peaks are too sharp, spatial resolution and uncertainty issues etc. The SAR system verification must also demonstrate that the area scan estimated 1-g SAR is within 3% of the zoom scan 1-g SAR (See Annex B). When all the SAR results for each exposure condition in a frequency band and wireless mode are based on estimated 1-g SAR, the 1-g SAR for the highest SAR configuration must be determined by a zoom scan.

10.2 Fast SAR Algorithms

The approach is based on the area scan measurement applying a frequency dependent attenuation parameter. This attenuation parameter was empirically determined by analyzing a large number of phones. The MOTOROLA FAST SAR was developed and validated by the MOTOROLA Research Group in Ft. Lauderdale.

In the initial study, an approximation algorithm based on Linear fit was developed. The accuracy of the algorithm has been demonstrated across a broad frequency range (136-2450 MHz)and for both 1- and 10-g averaged SAR using a sample of 264 SAR measurements from 55wireless handsets. For the sample size studied, the root-mean-squared errors of the algorithm mare 1.2% and 5.8% for 1- and 10-g averaged SAR, respectively. The paper describing the algorithm in detail is expected to be published in August 2004 within the Special Issue of Transactions on MTT.

In the second step, the same research group optimized the fitting algorithm to an Polynomial fit whereby the frequency validity was extended to cover the range 30-6000MHz. Details of this study can be found in the BEMS 2007 Proceedings.

Both algorithms are implemented in DASY software.

11 Conducted Output Power

Table11.1: Summary of Receiver detection mechanism-Main antenna

Standalone			WWAN+WIFI			ENDC(ULCA)+WIFI		
Receiver on +Hotspot on/off	Receiver off +Hotspot on	Receiver off +Hotspot off	Receiver on +Hotspot on/off	Receiver off +Hotspot on	Receiver off +Hotspot off	Receiver on +Hotspot on/off	Receiver off +Hotspot on	Receiver off +Hotspot off
DSI1	DSI2	DSI3	DSI4	DSI5	DSI6	DSI7	DSI8	DSI9

11.1 WCDMA Measurement result

Table 11.1-1: The conducted Power for WCDMA B2 – DSI1/4

WCDMA1900	FDDII result (dBm)			Tune up
	9538/9938	9400/9800	9262/9662	
	(1907.6MHz)	(1880MHz)	(1852.4MHz)	
	23.27	23.39	23.26	24
HSUPA	20.51	20.58	20.49	21
	20	20.07	19.98	21
	20.01	20.08	20.03	22
	19.52	19.55	19.53	20.5
	20.94	21.01	20.92	22
HSPA+	21.56	21.63	21.54	22
DC-HSDPA	21.1	21.17	21.08	23
	21.12	21.19	21.10	23
	20.69	20.76	20.67	22.5
	20.61	20.68	20.59	22.5

Table 11.1-2: The conducted Power for WCDMA B2 – DSI2/5

WCDMA1900	FDDII result (dBm)			Tune up
	9538/9938	9400/9800	9262/9662	
	(1907.6MHz)	(1880MHz)	(1852.4MHz)	
	20.52	20.57	20.53	21.5
HSUPA	17.74	17.81	17.72	18.5
	17.24	17.31	17.22	18.5
	17.53	17.55	17.54	19.5
	16.77	16.84	16.75	18
	18.16	18.23	18.14	19.5
HSPA+	19.47	19.42	19.47	19.5
DC-HSDPA	19.28	19.35	19.26	20.5
	19.29	19.36	19.27	20.5
	18.81	18.88	18.79	20
	18.79	18.86	18.77	20

Table 11.1-3: The conducted Power for WCDMA B2 – DSI3/6

WCDMA1900	FDDII result (dBm)			Tune up
	9538/9938	9400/9800	9262/9662	
	(1907.6MHz)	(1880MHz)	(1852.4MHz)	
	22.82	22.96	22.69	23.5
HSUPA	20.11	20.12	20.00	20.5
	19.44	19.49	19.56	20.5
	19.53	19.65	19.54	21.5
	19.1	19.06	18.94	20
	20.54	20.59	20.34	21.5
HSPA+	21.12	21.06	21.09	21.5
DC-HSDPA	20.7	20.75	20.59	22.5
	20.68	20.61	20.60	22.5
	20.1	20.17	20.26	20.5
	20.15	20.21	20.05	20.5

Table 11.1-4: The conducted Power for WCDMA B4 – DSI1/4

WCDMA1700	FDDIV result (dBm)			Tune up
	1513/1738	1412/1637	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	23.21	23.25	23.22	24
HSUPA	20.65	20.72	20.63	21
	20.15	20.22	20.13	21
	20.14	20.21	20.12	22
	19.62	19.69	19.60	20.5
	21.08	21.15	21.06	22
HSPA+	21.71	21.78	21.69	22
DC-HSDPA	21.29	21.36	21.27	23
	21.17	21.24	21.15	23
	20.84	20.91	20.82	22.5
	20.82	20.89	20.80	22.5

Table 11.1-5: The conducted Power for WCDMA B4 – DSI2/5

WCDMA1700	FDDIV result (dBm)			Tune up
	1513/1738	1412/1637	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	19.57	19.69	19.65	20.5
HSUPA	16.49	16.56	16.47	17.5
	16.47	16.54	16.45	17.5
	16.52	16.59	16.50	18.5
	15.9	15.97	15.88	17
	17.47	17.54	17.45	18.5
HSPA+	18.05	18.12	18.03	18.5
DC-HSDPA	18.54	18.61	18.52	19.5
	18.48	18.55	18.46	19.5
	18.1	18.17	18.08	19
	18.06	18.13	18.04	19

Table 11.1-6: The conducted Power for WCDMA B4 – DSI3/6

WCDMA1700	FDDIV result (dBm)			Tune up
	1513/1738	1412/1637	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	22.14	22.18	22.20	23
HSUPA	19.6	19.73	19.64	20
	19.21	19.12	19.19	20
	19.14	19.29	19.10	21
	18.65	18.74	18.54	19.5
	20.01	20.13	20.09	21
HSPA+	20.62	20.77	20.74	21
DC-HSDPA	20.31	20.36	20.17	22
	20.18	20.16	20.23	22
	19.85	19.81	19.81	21.5
	19.76	19.87	19.76	21.5

Table 11.1-7: The conducted Power for WCDMA B5 – DSI1/2/3/4/5/6

WCDMA850	FDDV result (dBm)			Tune up
	4233/4458	4183/4408	4132/4357	
	(846.6MHz)	(836.6MHz)	(826.4MHz)	
	23.24	23.31	23.22	24
HSUPA	20.84	20.91	20.82	21
	20.31	20.38	20.29	21
	20.34	20.41	20.32	22
	19.84	19.91	19.82	20.5
	21.31	21.38	21.29	22
HSPA+	20.83	20.90	20.81	22
DC-HSDPA	21.44	21.51	21.42	23
	21.46	21.53	21.44	23
	21.04	21.11	21.02	22.5
	20.98	21.05	20.96	22.5

11.2 LTE Measurement result

Band	ANT	Tune up (dBm)								
		Standalone			**WWAN+WIFI**			**ENDC(ULCA)+WIFI**		
		Receiver on +Hotspot on/off	Receiver off +Hotspot on	Receiver off +Hotspot off	Receiver on +Hotspot on/off	Receiver off +Hotspot on	Receiver off +Hotspot off	Receiver on +Hotspot on/off	Receiver off +Hotspot on	Receiver off +Hotspot off
		DSI1	DSI2	DSI3	DSI4	DSI5	DSI6	DSI7	DSI8	DSI9
LTE B2	**1**	24.5	21.5	23	24.5	21.5	23	24.5	19.5	23
LTE B2	**5**	\	\	\	\	\	\	17	22.5	22.5
LTE B5	**1**	25	25	25	25	25	25	25	25	25
LTE B7	**1**	23.5	23.5	23.5	23.5	23.5	23.5	23.5	22.5	23.5
LTE B12	**1**	24	24	24	24	24	24	24	24	24
LTE B12	**5**	\	\	\	\	\	\	24	24	24
LTE B14	**1**	25	25	25	25	25	25	25	25	25
LTE B30	**1**	24	24	24	24	24	24	24	23	24
LTE B30	**5**	\	\	\	\	\	\	16.5	19	21
LTE B66	**1**	24.5	20.5	23	24.5	20.5	23	24.5	18	20
LTE B66	**5**	\	\	\	\	\	\	17.5	23.5	24.5

LTE B2 ANT1 DSI1/4/7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	24.01	23.15	22.16
		1880 (18900)	24.05	23.25	22.19
		1850.7 (18607)	23.95	23.08	22.15
	1RB-Middle (3)	1909.3 (19193)	24.12	23.24	22.19
		1880 (18900)	24.06	23.04	22.11
		1850.7 (18607)	23.97	23.09	22.01
	1RB-Low (0)	1909.3 (19193)	23.87	23.08	22.13
		1880 (18900)	24.09	23.17	22.16
		1850.7 (18607)	23.86	23.06	22.02
	3RB-High (3)	1909.3 (19193)	23.95	22.82	22.09
		1880 (18900)	23.94	22.91	22.00
		1850.7 (18607)	23.88	22.86	21.99
	3RB-Middle (1)	1909.3 (19193)	23.91	22.89	21.97
		1880 (18900)	23.97	22.98	22.07
		1850.7 (18607)	23.85	22.77	21.91
	3RB-Low (0)	1909.3 (19193)	23.95	22.86	22.00
		1880 (18900)	23.98	22.99	22.07
		1850.7 (18607)	23.89	22.89	21.92

	6RB (0)	1909.3 (19193)	22.88	21.93	20.91
		1880 (18900)	22.91	22.01	20.92
		1850.7 (18607)	22.82	21.91	20.93
3MHz	1RB-High (14)	1908.5 (19185)	24.10	23.19	22.11
		1880 (18900)	23.94	23.20	22.23
		1851.5 (18615)	23.90	23.17	22.16
	1RB-Middle (7)	1908.5 (19185)	24.06	23.10	22.17
		1880 (18900)	23.97	23.09	22.16
		1851.5 (18615)	23.91	23.25	22.10
	1RB-Low (0)	1908.5 (19185)	23.93	23.21	22.09
		1880 (18900)	23.96	23.17	22.21
		1851.5 (18615)	23.93	23.12	22.03
	8RB-High (7)	1908.5 (19185)	22.95	21.93	20.99
		1880 (18900)	22.96	22.03	20.99
		1851.5 (18615)	22.94	21.97	20.95
	8RB-Middle (4)	1908.5 (19185)	22.89	21.96	20.95
		1880 (18900)	22.92	22.01	21.02
		1851.5 (18615)	22.95	21.94	20.98
	8RB-Low (0)	1908.5 (19185)	22.94	21.99	21.02
		1880 (18900)	23.03	22.04	20.96
		1851.5 (18615)	22.92	21.96	20.98
	15RB (0)	1908.5 (19185)	22.94	21.91	20.90
		1880 (18900)	22.97	21.93	20.93
		1851.5 (18615)	22.87	21.96	20.83
5MHz	1RB-High (24)	1907.5 (19175)	24.12	23.15	22.25
		1880 (18900)	24.04	23.21	22.27
		1852.5 (18625)	24.09	23.14	22.21
	1RB-Middle (12)	1907.5 (19175)	24.06	23.18	22.12
		1880 (18900)	24.08	23.27	22.22
		1852.5 (18625)	24.03	23.14	22.15
	1RB-Low (0)	1907.5 (19175)	23.99	23.19	22.13
		1880 (18900)	24.05	23.31	22.22
		1852.5 (18625)	23.95	23.16	22.09
	12RB-High (13)	1907.5 (19175)	23.01	22.00	21.04
		1880 (18900)	23.01	22.05	21.01
		1852.5 (18625)	22.99	22.01	21.00
	12RB-Middle (6)	1907.5 (19175)	22.97	21.95	21.00
		1880 (18900)	23.01	22.04	21.03
		1852.5 (18625)	22.98	21.98	21.01
	12RB-Low (0)	1907.5 (19175)	23.04	22.03	21.02
		1880 (18900)	23.10	22.06	21.06

		1852.5 (18625)	22.96	21.99	20.98
	25RB (0)	1907.5 (19175)	23.09	22.03	21.02
		1880 (18900)	23.09	22.05	21.02
		1852.5 (18625)	23.03	22.02	21.01
10MHz	1RB-High (49)	1905 (19150)	24.19	23.39	22.33
		1880 (18900)	24.16	23.38	22.26
		1855 (18650)	24.18	23.44	22.18
	1RB-Middle (24)	1905 (19150)	23.97	23.24	22.18
		1880 (18900)	24.06	23.31	22.22
		1855 (18650)	24.10	23.23	22.19
	1RB-Low (0)	1905 (19150)	24.23	23.48	22.29
		1880 (18900)	24.17	23.26	22.33
		1855 (18650)	24.04	23.36	22.21
	25RB-High (25)	1905 (19150)	23.06	22.04	21.06
		1880 (18900)	23.08	22.06	21.06
		1855 (18650)	23.08	22.04	21.04
	25RB-Middle (12)	1905 (19150)	22.99	21.99	20.97
		1880 (18900)	23.05	22.00	21.02
		1855 (18650)	23.04	22.01	20.99
	25RB-Low (0)	1905 (19150)	23.10	22.07	21.07
		1880 (18900)	23.09	22.05	21.06
		1855 (18650)	23.05	22.01	21.03
	50RB (0)	1905 (19150)	23.02	22.06	21.07
		1880 (18900)	23.08	22.05	21.06
		1855 (18650)	23.07	22.06	21.01
15MHz	1RB-High (74)	1902.5 (19125)	23.95	23.24	22.22
		1880 (18900)	23.88	23.19	22.17
		1857.5 (18675)	23.99	23.26	22.24
	1RB-Middle (37)	1902.5 (19125)	23.89	23.22	22.23
		1880 (18900)	23.96	23.20	22.23
		1857.5 (18675)	23.96	23.15	22.20
	1RB-Low (0)	1902.5 (19125)	23.91	23.28	22.09
		1880 (18900)	23.98	23.26	22.20
		1857.5 (18675)	23.84	23.20	22.13
	36RB-High (38)	1902.5 (19125)	22.83	21.95	20.99
		1880 (18900)	22.89	22.23	21.01
		1857.5 (18675)	22.89	21.98	21.00
	36RB-Middle (19)	1902.5 (19125)	22.85	21.91	20.98
		1880 (18900)	22.84	21.94	20.98
		1857.5 (18675)	22.86	21.94	20.98
	36RB-Low (0)	1902.5 (19125)	22.91	21.96	21.03

		1880 (18900)	22.90	22.00	21.05
		1857.5 (18675)	22.87	21.94	20.98
	75RB (0)	1902.5 (19125)	22.92	22.02	21.00
		1880 (18900)	22.19	22.05	21.03
		1857.5 (18675)	22.93	22.00	21.02
20MHz	1RB-High (99)	1900 (19100)	24.09	23.33	22.16
		1880 (18900)	23.98	23.24	22.04
		1860 (18700)	24.05	23.34	22.14
	1RB-Middle (50)	1900 (19100)	24.06	23.33	22.09
		1880 (18900)	24.13	23.19	22.17
		1860 (18700)	24.09	23.14	22.12
	1RB-Low (0)	1900 (19100)	24.00	23.23	22.07
		1880 (18900)	24.09	23.33	22.23
		1860 (18700)	24.01	23.17	22.13
	50RB-High (50)	1900 (19100)	23.04	22.01	21.02
		1880 (18900)	22.98	21.97	21.00
		1860 (18700)	23.00	22.05	21.02
	50RB-Middle (25)	1900 (19100)	23.03	22.04	21.03
		1880 (18900)	23.02	22.00	21.06
		1860 (18700)	23.03	22.00	21.01
	50RB-Low (0)	1900 (19100)	23.02	21.98	21.00
		1880 (18900)	23.07	21.98	21.05
		1860 (18700)	23.05	22.00	21.02
	100RB (0)	1900 (19100)	23.02	22.04	21.03
		1880 (18900)	23.01	22.02	21.04
		1860 (18700)	23.02	21.99	21.01

LTE B2 ANT1 DSI2/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	20.51	19.86	18.86
		1880 (18900)	20.56	19.99	18.83
		1850.7 (18607)	20.55	19.93	18.78
	1RB-Middle (3)	1909.3 (19193)	20.55	19.83	18.82
		1880 (18900)	20.58	19.80	18.80
		1850.7 (18607)	20.54	19.84	18.82
	1RB-Low (0)	1909.3 (19193)	20.51	19.80	18.87
		1880 (18900)	20.55	19.93	18.79
		1850.7 (18607)	20.56	19.89	18.78
	3RB-High (3)	1909.3 (19193)	20.46	19.56	18.75
		1880 (18900)	20.49	19.59	18.73

		1850.7 (18607)	20.45	19.52	18.69
	3RB-Middle (1)	1909.3 (19193)	20.43	19.54	18.67
		1880 (18900)	20.45	19.64	18.67
		1850.7 (18607)	20.41	19.43	18.73
	3RB-Low (0)	1909.3 (19193)	20.45	19.58	18.71
		1880 (18900)	20.48	19.50	18.76
		1850.7 (18607)	20.41	19.56	18.71
	6RB (0)	1909.3 (19193)	19.53	18.58	17.60
		1880 (18900)	19.61	18.64	17.62
		1850.7 (18607)	19.57	18.71	17.55
3MHz	1RB-High (14)	1908.5 (19185)	20.50	19.80	18.92
		1880 (18900)	20.55	19.89	18.74
		1851.5 (18615)	20.53	19.92	18.76
	1RB-Middle (7)	1908.5 (19185)	20.60	19.80	18.77
		1880 (18900)	20.65	19.88	18.84
		1851.5 (18615)	20.61	19.91	18.87
	1RB-Low (0)	1908.5 (19185)	20.54	19.89	18.83
		1880 (18900)	20.55	19.89	18.85
		1851.5 (18615)	20.56	19.97	18.97
	8RB-High (7)	1908.5 (19185)	19.62	18.68	17.68
		1880 (18900)	19.61	18.66	17.71
		1851.5 (18615)	19.60	18.62	17.68
	8RB-Middle (4)	1908.5 (19185)	19.62	18.67	17.65
		1880 (18900)	19.60	18.70	17.70
		1851.5 (18615)	19.60	18.65	17.68
	8RB-Low (0)	1908.5 (19185)	19.66	18.68	17.73
		1880 (18900)	19.64	18.71	17.79
		1851.5 (18615)	19.62	18.66	17.69
	15RB (0)	1908.5 (19185)	19.62	18.60	17.63
		1880 (18900)	19.62	18.62	17.65
		1851.5 (18615)	19.62	18.56	17.57
5MHz	1RB-High (24)	1907.5 (19175)	20.55	19.99	18.87
		1880 (18900)	20.64	19.89	18.82
		1852.5 (18625)	20.58	19.98	18.83
	1RB-Middle (12)	1907.5 (19175)	20.70	19.91	18.93
		1880 (18900)	20.64	20.00	18.90
		1852.5 (18625)	20.60	19.96	18.81
	1RB-Low (0)	1907.5 (19175)	20.58	20.05	18.97
		1880 (18900)	20.62	19.95	18.83
		1852.5 (18625)	20.58	19.90	18.86
	12RB-High (13)	1907.5 (19175)	19.64	18.71	17.68

		1880 (18900)	19.65	18.68	17.69
		1852.5 (18625)	19.64	18.68	17.69
	12RB-Middle (6)	1907.5 (19175)	19.64	18.65	17.71
		1880 (18900)	19.66	18.62	17.71
		1852.5 (18625)	19.67	18.67	17.69
	12RB-Low (0)	1907.5 (19175)	19.71	18.75	17.72
		1880 (18900)	19.73	18.68	17.71
		1852.5 (18625)	19.65	18.67	17.69
	25RB (0)	1907.5 (19175)	19.72	18.70	17.70
		1880 (18900)	19.72	18.68	17.70
		1852.5 (18625)	19.66	18.63	17.64
10MHz	1RB-High (49)	1905 (19150)	20.67	19.95	18.92
		1880 (18900)	20.69	19.91	18.88
		1855 (18650)	20.63	19.98	18.94
	1RB-Middle (24)	1905 (19150)	20.65	19.95	18.86
		1880 (18900)	20.66	19.86	18.82
		1855 (18650)	20.65	19.94	18.89
	1RB-Low (0)	1905 (19150)	20.72	20.00	18.86
		1880 (18900)	20.68	20.04	18.94
		1855 (18650)	20.64	19.87	18.86
	25RB-High (25)	1905 (19150)	19.72	18.68	17.67
		1880 (18900)	19.72	18.66	17.72
		1855 (18650)	19.66	18.68	17.65
	25RB-Middle (12)	1905 (19150)	19.67	18.70	17.67
		1880 (18900)	19.70	18.74	17.71
		1855 (18650)	19.68	18.71	17.69
	25RB-Low (0)	1905 (19150)	19.73	18.73	17.71
		1880 (18900)	19.71	18.67	17.71
		1855 (18650)	19.70	18.69	17.68
	50RB (0)	1905 (19150)	19.69	18.69	17.67
		1880 (18900)	19.75	18.71	17.69
		1855 (18650)	19.69	18.70	17.69
15MHz	1RB-High (74)	1902.5 (19125)	20.65	20.01	18.96
		1880 (18900)	20.68	20.11	18.92
		1857.5 (18675)	20.62	20.05	18.87
	1RB-Middle (37)	1902.5 (19125)	20.65	19.96	18.73
		1880 (18900)	20.68	19.90	18.84
		1857.5 (18675)	20.60	20.00	18.88
	1RB-Low (0)	1902.5 (19125)	20.60	19.92	18.88
		1880 (18900)	20.69	20.08	18.92
		1857.5 (18675)	20.65	19.96	18.92

	36RB-High (38)	1902.5 (19125)	19.69	18.68	17.70
		1880 (18900)	19.68	18.70	17.72
		1857.5 (18675)	19.65	18.68	17.70
	36RB-Middle (19)	1902.5 (19125)	19.67	18.62	17.69
		1880 (18900)	19.70	18.69	17.72
		1857.5 (18675)	19.63	18.65	17.68
	36RB-Low (0)	1902.5 (19125)	19.65	18.58	17.68
		1880 (18900)	19.68	18.68	17.72
		1857.5 (18675)	19.67	18.64	17.68
	75RB (0)	1902.5 (19125)	19.70	18.67	17.68
		1880 (18900)	19.70	18.74	17.71
		1857.5 (18675)	19.67	18.66	17.69
20MHz	1RB-High (99)	1900 (19100)	20.67	19.94	18.93
		1880 (18900)	20.69	19.98	18.95
		1860 (18700)	20.67	20.15	18.89
	1RB-Middle (50)	1900 (19100)	20.66	19.99	18.92
		1880 (18900)	20.64	20.05	18.88
		1860 (18700)	20.61	20.06	18.92
	1RB-Low (0)	1900 (19100)	20.68	20.02	18.95
		1880 (18900)	20.72	20.03	18.97
		1860 (18700)	20.69	20.07	18.91
	50RB-High (50)	1900 (19100)	19.70	18.67	17.70
		1880 (18900)	19.73	18.71	17.72
		1860 (18700)	19.74	18.71	17.74
	50RB-Middle (25)	1900 (19100)	19.70	18.68	17.70
		1880 (18900)	19.72	18.73	17.75
		1860 (18700)	19.71	18.68	17.72
	50RB-Low (0)	1900 (19100)	19.75	18.75	17.70
		1880 (18900)	19.78	18.73	17.74
		1860 (18700)	19.75	18.71	17.74
	100RB (0)	1900 (19100)	19.72	18.68	17.71
		1880 (18900)	19.75	18.69	17.69
		1860 (18700)	19.74	18.71	17.71

LTE B2 ANT1 DSI3/6/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	22.52	21.76	20.77
		1880 (18900)	22.70	21.63	20.75
		1850.7 (18607)	22.50	21.99	20.85
	1RB-Middle (3)	1909.3 (19193)	22.50	21.84	20.71

		1880 (18900)	22.45	21.72	20.66
		1850.7 (18607)	22.39	21.87	20.70
	1RB-Low (0)	1909.3 (19193)	22.51	21.90	20.73
		1880 (18900)	22.48	21.90	20.85
		1850.7 (18607)	22.43	21.74	20.67
	3RB-High (3)	1909.3 (19193)	22.59	21.81	20.73
		1880 (18900)	22.61	21.70	20.80
		1850.7 (18607)	22.53	21.99	20.83
	3RB-Middle (1)	1909.3 (19193)	22.51	21.74	20.74
		1880 (18900)	22.52	21.75	20.77
		1850.7 (18607)	22.35	21.92	20.69
	3RB-Low (0)	1909.3 (19193)	22.50	21.84	20.70
		1880 (18900)	22.61	21.72	20.84
		1850.7 (18607)	22.55	21.78	20.76
	6RB (0)	1909.3 (19193)	21.50	20.59	19.57
		1880 (18900)	21.66	20.67	19.49
		1850.7 (18607)	21.41	20.56	19.56
3MHz	1RB-High (14)	1908.5 (19185)	22.54	21.89	20.73
		1880 (18900)	22.75	21.59	20.79
		1851.5 (18615)	22.39	21.92	20.70
	1RB-Middle (7)	1908.5 (19185)	22.49	21.78	20.76
		1880 (18900)	22.50	21.83	20.64
		1851.5 (18615)	22.34	21.87	20.59
	1RB-Low (0)	1908.5 (19185)	22.51	21.73	20.62
		1880 (18900)	22.51	21.73	20.91
		1851.5 (18615)	22.47	21.79	20.69
	8RB-High (7)	1908.5 (19185)	21.49	20.62	19.44
		1880 (18900)	21.48	20.63	19.52
		1851.5 (18615)	21.59	20.39	19.51
	8RB-Middle (4)	1908.5 (19185)	21.54	20.66	19.46
		1880 (18900)	21.55	20.41	19.61
		1851.5 (18615)	21.47	20.51	19.45
	8RB-Low (0)	1908.5 (19185)	21.39	20.60	19.44
		1880 (18900)	21.73	20.58	19.67
		1851.5 (18615)	21.62	20.46	19.64
	15RB (0)	1908.5 (19185)	21.47	20.61	19.64
		1880 (18900)	21.62	20.58	19.47
		1851.5 (18615)	21.40	20.55	19.60
5MHz	1RB-High (24)	1907.5 (19175)	22.62	21.86	20.77
		1880 (18900)	22.75	21.71	20.78
		1852.5 (18625)	22.38	21.95	20.82

	1RB-Middle (12)	1907.5 (19175)	22.43	21.83	20.66
		1880 (18900)	22.59	21.86	20.67
		1852.5 (18625)	22.47	21.86	20.70
	1RB-Low (0)	1907.5 (19175)	22.55	21.78	20.66
		1880 (18900)	22.49	21.89	20.91
		1852.5 (18625)	22.38	21.82	20.70
	12RB-High (13)	1907.5 (19175)	21.55	20.55	19.32
		1880 (18900)	21.58	20.55	19.43
		1852.5 (18625)	21.62	20.43	19.56
	12RB-Middle (6)	1907.5 (19175)	21.56	20.52	19.39
		1880 (18900)	21.63	20.46	19.52
		1852.5 (18625)	21.39	20.50	19.54
	12RB-Low (0)	1907.5 (19175)	21.44	20.55	19.47
		1880 (18900)	21.66	20.56	19.60
		1852.5 (18625)	21.60	20.61	19.52
	25RB (0)	1907.5 (19175)	21.48	20.48	19.66
		1880 (18900)	21.54	20.49	19.46
		1852.5 (18625)	21.49	20.55	19.69
10MHz	1RB-High (49)	1905 (19150)	22.53	21.84	20.62
		1880 (18900)	22.76	21.58	20.80
		1855 (18650)	22.39	21.93	20.87
	1RB-Middle (24)	1905 (19150)	22.39	21.84	20.80
		1880 (18900)	22.48	21.76	20.65
		1855 (18650)	22.48	21.93	20.69
	1RB-Low (0)	1905 (19150)	22.39	21.79	20.63
		1880 (18900)	22.57	21.79	20.94
		1855 (18650)	22.44	21.83	20.65
	25RB-High (25)	1905 (19150)	21.57	20.44	19.34
		1880 (18900)	21.63	20.49	19.54
		1855 (18650)	21.64	20.50	19.52
	25RB-Middle (12)	1905 (19150)	21.50	20.51	19.36
		1880 (18900)	21.50	20.52	19.66
		1855 (18650)	21.49	20.58	19.49
	25RB-Low (0)	1905 (19150)	21.44	20.52	19.39
		1880 (18900)	21.71	20.55	19.68
		1855 (18650)	21.60	20.50	19.58
	50RB (0)	1905 (19150)	21.52	20.50	19.62
		1880 (18900)	21.65	20.47	19.64
		1855 (18650)	21.38	20.36	19.58
15MHz	1RB-High (74)	1902.5 (19125)	22.45	21.89	20.63
		1880 (18900)	22.62	21.66	20.68

		1857.5 (18675)	22.52	21.95	20.85
	1RB-Middle (37)	1902.5 (19125)	22.44	21.76	20.77
		1880 (18900)	22.55	21.81	20.69
		1857.5 (18675)	22.47	21.93	20.62
	1RB-Low (0)	1902.5 (19125)	22.41	21.75	20.66
		1880 (18900)	22.47	21.73	20.94
		1857.5 (18675)	22.46	21.86	20.79
	36RB-High (38)	1902.5 (19125)	21.54	20.46	19.41
		1880 (18900)	21.63	20.49	19.43
		1857.5 (18675)	21.70	20.44	19.51
	36RB-Middle (19)	1902.5 (19125)	21.55	20.51	19.37
		1880 (18900)	21.44	20.57	19.63
		1857.5 (18675)	21.45	20.48	19.49
	36RB-Low (0)	1902.5 (19125)	21.36	20.49	19.39
		1880 (18900)	21.71	20.45	19.66
		1857.5 (18675)	21.66	20.46	19.55
	75RB (0)	1902.5 (19125)	21.33	20.58	19.49
		1880 (18900)	21.63	20.47	19.58
		1857.5 (18675)	21.45	20.40	19.60
20MHz	1RB-High (99)	1900 (19100)	22.55	21.82	20.71
		1880 (18900)	22.69	21.68	20.75
		1860 (18700)	22.48	22.00	20.79
	1RB-Middle (50)	1900 (19100)	22.45	21.77	20.74
		1880 (18900)	22.53	21.77	20.70
		1860 (18700)	22.43	21.90	20.68
	1RB-Low (0)	1900 (19100)	22.47	21.82	20.65
		1880 (18900)	22.53	21.82	20.85
		1860 (18700)	22.46	21.78	20.72
	50RB-High (50)	1900 (19100)	21.55	20.54	19.41
		1880 (18900)	21.53	20.53	19.51
		1860 (18700)	21.61	20.46	19.46
	50RB-Middle (25)	1900 (19100)	21.58	20.58	19.40
		1880 (18900)	21.53	20.51	19.58
		1860 (18700)	21.43	20.56	19.55
	50RB-Low (0)	1900 (19100)	21.45	20.59	19.48
		1880 (18900)	21.65	20.48	19.60
		1860 (18700)	21.63	20.53	19.54
	100RB (0)	1900 (19100)	21.42	20.55	19.58
		1880 (18900)	21.64	20.57	19.56
		1860 (18700)	21.44	20.46	19.59

LTE B2 ANT1 DSI8

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	18.54	17.90	16.92
		1880 (18900)	18.55	18.01	16.81
		1850.7 (18607)	18.50	18.02	16.78
	1RB-Middle (3)	1909.3 (19193)	18.62	17.77	16.89
		1880 (18900)	18.48	17.73	16.84
		1850.7 (18607)	18.59	17.88	16.75
	1RB-Low (0)	1909.3 (19193)	18.43	17.82	16.94
		1880 (18900)	18.51	17.97	16.78
		1850.7 (18607)	18.49	17.85	16.72
	3RB-High (3)	1909.3 (19193)	18.55	17.63	16.80
		1880 (18900)	18.51	17.61	16.65
		1850.7 (18607)	18.46	17.42	16.61
	3RB-Middle (1)	1909.3 (19193)	18.42	17.52	16.58
		1880 (18900)	18.44	17.69	16.73
		1850.7 (18607)	18.45	17.40	16.71
	3RB-Low (0)	1909.3 (19193)	18.43	17.68	16.61
		1880 (18900)	18.47	17.55	16.73
		1850.7 (18607)	18.37	17.56	16.64
	6RB (0)	1909.3 (19193)	17.57	16.63	15.63
		1880 (18900)	17.54	16.63	15.69
		1850.7 (18607)	17.61	16.67	15.58
3MHz	1RB-High (14)	1908.5 (19185)	18.48	17.82	16.99
		1880 (18900)	18.52	17.94	16.67
		1851.5 (18615)	18.52	17.92	16.80
	1RB-Middle (7)	1908.5 (19185)	18.65	17.84	16.87
		1880 (18900)	18.61	17.88	16.93
		1851.5 (18615)	18.61	17.92	16.96
	1RB-Low (0)	1908.5 (19185)	18.48	17.95	16.88
		1880 (18900)	18.53	17.89	16.86
		1851.5 (18615)	18.66	17.94	17.06
	8RB-High (7)	1908.5 (19185)	17.69	16.71	15.65
		1880 (18900)	17.65	16.62	15.71
		1851.5 (18615)	17.66	16.63	15.58
	8RB-Middle (4)	1908.5 (19185)	17.62	16.67	15.69
		1880 (18900)	17.58	16.60	15.62
		1851.5 (18615)	17.50	16.60	15.77
	8RB-Low (0)	1908.5 (19185)	17.76	16.63	15.76
		1880 (18900)	17.74	16.68	15.85

		1851.5 (18615)	17.57	16.68	15.66
	15RB (0)	1908.5 (19185)	17.64	16.52	15.71
		1880 (18900)	17.68	16.64	15.56
		1851.5 (18615)	17.62	16.62	15.60
5MHz	1RB-High (24)	1907.5 (19175)	18.60	17.90	16.89
		1880 (18900)	18.54	17.94	16.85
		1852.5 (18625)	18.55	17.95	16.78
	1RB-Middle (12)	1907.5 (19175)	18.65	17.99	17.01
		1880 (18900)	18.67	18.04	16.92
		1852.5 (18625)	18.52	17.86	16.88
	1RB-Low (0)	1907.5 (19175)	18.63	18.11	17.01
		1880 (18900)	18.56	17.85	16.92
		1852.5 (18625)	18.65	17.80	16.85
	12RB-High (13)	1907.5 (19175)	17.55	16.81	15.72
		1880 (18900)	17.57	16.58	15.72
		1852.5 (18625)	17.60	16.64	15.65
	12RB-Middle (6)	1907.5 (19175)	17.68	16.58	15.70
		1880 (18900)	17.62	16.54	15.65
		1852.5 (18625)	17.59	16.65	15.70
	12RB-Low (0)	1907.5 (19175)	17.61	16.81	15.68
		1880 (18900)	17.83	16.66	15.68
		1852.5 (18625)	17.59	16.76	15.64
	25RB (0)	1907.5 (19175)	17.64	16.67	15.67
		1880 (18900)	17.68	16.62	15.75
		1852.5 (18625)	17.73	16.73	15.61
10MHz	1RB-High (49)	1905 (19150)	18.76	17.98	17.02
		1880 (18900)	18.61	18.01	16.94
		1855 (18650)	18.73	18.07	16.89
	1RB-Middle (24)	1905 (19150)	18.65	17.87	16.92
		1880 (18900)	18.69	17.87	16.75
		1855 (18650)	18.57	17.92	16.86
	1RB-Low (0)	1905 (19150)	18.70	17.98	16.89
		1880 (18900)	18.60	17.99	16.85
		1855 (18650)	18.68	17.78	16.76
	25RB-High (25)	1905 (19150)	17.81	16.59	15.76
		1880 (18900)	17.64	16.73	15.66
		1855 (18650)	17.57	16.68	15.62
	25RB-Middle (12)	1905 (19150)	17.70	16.79	15.62
		1880 (18900)	17.75	16.82	15.63
		1855 (18650)	17.60	16.75	15.65
	25RB-Low (0)	1905 (19150)	17.69	16.76	15.78

		1880 (18900)	17.78	16.66	15.81
		1855 (18650)	17.79	16.74	15.62
	50RB (0)	1905 (19150)	17.61	16.79	15.76
		1880 (18900)	17.77	16.76	15.63
		1855 (18650)	17.75	16.67	15.76
15MHz	1RB-High (74)	1902.5 (19125)	18.67	18.03	17.05
		1880 (18900)	18.78	18.07	16.99
		1857.5 (18675)	18.66	18.06	16.88
	1RB-Middle (37)	1902.5 (19125)	18.62	17.89	16.67
		1880 (18900)	18.74	17.85	16.88
		1857.5 (18675)	18.51	18.09	16.87
	1RB-Low (0)	1902.5 (19125)	18.62	17.84	16.93
		1880 (18900)	18.59	18.09	16.93
		1857.5 (18675)	18.61	17.86	16.90
	36RB-High (38)	1902.5 (19125)	17.67	16.70	15.67
		1880 (18900)	17.72	16.73	15.82
		1857.5 (18675)	17.68	16.70	15.60
	36RB-Middle (19)	1902.5 (19125)	17.59	16.59	15.66
		1880 (18900)	17.69	16.61	15.65
		1857.5 (18675)	17.60	16.64	15.68
	36RB-Low (0)	1902.5 (19125)	17.72	16.62	15.65
		1880 (18900)	17.78	16.68	15.79
		1857.5 (18675)	17.59	16.54	15.74
	75RB (0)	1902.5 (19125)	17.64	16.77	15.74
		1880 (18900)	17.79	16.76	15.77
		1857.5 (18675)	17.59	16.66	15.74
20MHz	1RB-High (99)	1900 (19100)	18.77	17.99	16.90
		1880 (18900)	18.63	18.08	17.03
		1860 (18700)	18.69	18.08	16.86
	1RB-Middle (50)	1900 (19100)	18.76	17.94	16.86
		1880 (18900)	18.64	17.98	16.93
		1860 (18700)	18.52	18.09	16.91
	1RB-Low (0)	1900 (19100)	18.71	18.11	16.95
		1880 (18900)	18.80	17.95	16.87
		1860 (18700)	18.67	18.02	16.90
	50RB-High (50)	1900 (19100)	17.68	16.77	15.75
		1880 (18900)	17.71	16.71	15.71
		1860 (18700)	17.65	16.62	15.71
	50RB-Middle (25)	1900 (19100)	17.72	16.63	15.63
		1880 (18900)	17.75	16.65	15.72
		1860 (18700)	17.65	16.70	15.75

	50RB-Low (0)	1900 (19100)	17.70	16.79	15.65
		1880 (18900)	17.72	16.72	15.78
		1860 (18700)	17.70	16.68	15.67
	100RB (0)	1900 (19100)	17.82	16.60	15.73
		1880 (18900)	17.73	16.73	15.71
		1860 (18700)	17.78	16.61	15.61

LTE B2 ANT5 DSI7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	16.62	15.92	14.92
		1880 (18900)	16.71	15.72	14.98
		1850.7 (18607)	16.52	15.90	14.79
	1RB-Middle (3)	1909.3 (19193)	16.62	15.93	14.87
		1880 (18900)	16.64	15.75	14.77
		1850.7 (18607)	16.58	15.77	14.71
	1RB-Low (0)	1909.3 (19193)	16.66	15.90	14.90
		1880 (18900)	16.64	15.94	14.92
		1850.7 (18607)	16.63	15.94	14.75
	3RB-High (3)	1909.3 (19193)	16.56	15.82	14.86
		1880 (18900)	16.58	15.71	14.96
		1850.7 (18607)	16.68	15.85	14.90
	3RB-Middle (1)	1909.3 (19193)	16.69	15.93	14.75
		1880 (18900)	16.53	15.77	14.79
		1850.7 (18607)	16.74	15.72	14.73
	3RB-Low (0)	1909.3 (19193)	16.61	15.79	14.75
		1880 (18900)	16.74	15.77	14.90
		1850.7 (18607)	16.64	15.92	14.76
	6RB (0)	1909.3 (19193)	15.66	14.71	13.71
		1880 (18900)	15.62	14.59	13.74
		1850.7 (18607)	15.62	14.74	13.68
3MHz	1RB-High (14)	1908.5 (19185)	16.53	15.95	14.88
		1880 (18900)	16.68	15.87	14.84
		1851.5 (18615)	16.52	15.89	14.75
	1RB-Middle (7)	1908.5 (19185)	16.63	15.81	14.88
		1880 (18900)	16.56	15.78	14.71
		1851.5 (18615)	16.65	15.87	14.63
	1RB-Low (0)	1908.5 (19185)	16.60	15.92	14.82
		1880 (18900)	16.71	15.94	14.77
		1851.5 (18615)	16.58	15.88	14.71
	8RB-High (7)	1908.5 (19185)	15.69	14.66	13.77

		1880 (18900)	15.69	14.58	13.67
		1851.5 (18615)	15.72	14.64	13.54
	8RB-Middle (4)	1908.5 (19185)	15.65	14.58	13.56
		1880 (18900)	15.66	14.77	13.76
		1851.5 (18615)	15.60	14.55	13.64
	8RB-Low (0)	1908.5 (19185)	15.73	14.77	13.64
		1880 (18900)	15.68	14.63	13.75
		1851.5 (18615)	15.69	14.69	13.64
	15RB (0)	1908.5 (19185)	15.75	14.77	13.60
		1880 (18900)	15.70	14.65	13.65
		1851.5 (18615)	15.74	14.49	13.65
5MHz	1RB-High (24)	1907.5 (19175)	16.53	15.95	14.84
		1880 (18900)	16.58	15.88	14.86
		1852.5 (18625)	16.71	15.76	14.89
	1RB-Middle (12)	1907.5 (19175)	16.57	15.84	14.81
		1880 (18900)	16.63	15.94	14.90
		1852.5 (18625)	16.71	15.85	14.62
	1RB-Low (0)	1907.5 (19175)	16.64	15.74	14.75
		1880 (18900)	16.71	15.93	14.85
		1852.5 (18625)	16.59	15.82	14.79
	12RB-High (13)	1907.5 (19175)	15.56	14.64	13.65
		1880 (18900)	15.70	14.65	13.59
		1852.5 (18625)	15.56	14.53	13.59
	12RB-Middle (6)	1907.5 (19175)	15.59	14.69	13.56
		1880 (18900)	15.67	14.76	13.66
		1852.5 (18625)	15.74	14.55	13.57
	12RB-Low (0)	1907.5 (19175)	15.77	14.60	13.74
		1880 (18900)	15.64	14.61	13.58
		1852.5 (18625)	15.72	14.65	13.64
	25RB (0)	1907.5 (19175)	15.71	14.68	13.73
		1880 (18900)	15.71	14.68	13.57
		1852.5 (18625)	15.62	14.61	13.67
10MHz	1RB-High (49)	1905 (19150)	16.70	15.87	14.78
		1880 (18900)	16.58	15.81	14.95
		1855 (18650)	16.69	15.86	14.86
	1RB-Middle (24)	1905 (19150)	16.61	15.83	14.85
		1880 (18900)	16.63	15.88	14.72
		1855 (18650)	16.63	15.80	14.62
	1RB-Low (0)	1905 (19150)	16.68	15.77	14.86
		1880 (18900)	16.75	15.84	14.77
		1855 (18650)	16.69	15.87	14.66

	25RB-High (25)	1905 (19150)	15.62	14.66	13.62
		1880 (18900)	15.66	14.70	13.71
		1855 (18650)	15.71	14.55	13.63
	25RB-Middle (12)	1905 (19150)	15.68	14.74	13.65
		1880 (18900)	15.75	14.65	13.67
		1855 (18650)	15.63	14.70	13.57
	25RB-Low (0)	1905 (19150)	15.78	14.60	13.75
		1880 (18900)	15.77	14.77	13.56
		1855 (18650)	15.83	14.67	13.64
	50RB (0)	1905 (19150)	15.71	14.60	13.67
		1880 (18900)	15.72	14.77	13.60
		1855 (18650)	15.71	14.50	13.67
15MHz	1RB-High (74)	1902.5 (19125)	16.59	15.86	14.79
		1880 (18900)	16.55	15.89	14.90
		1857.5 (18675)	16.64	15.80	14.86
	1RB-Middle (37)	1902.5 (19125)	16.65	15.78	14.76
		1880 (18900)	16.70	15.87	14.78
		1857.5 (18675)	16.62	15.77	14.66
	1RB-Low (0)	1902.5 (19125)	16.58	15.91	14.82
		1880 (18900)	16.72	15.83	14.83
		1857.5 (18675)	16.74	15.85	14.70
	36RB-High (38)	1902.5 (19125)	15.74	14.75	13.78
		1880 (18900)	15.60	14.61	13.57
		1857.5 (18675)	15.63	14.68	13.65
	36RB-Middle (19)	1902.5 (19125)	15.68	14.72	13.54
		1880 (18900)	15.61	14.75	13.61
		1857.5 (18675)	15.61	14.64	13.62
	36RB-Low (0)	1902.5 (19125)	15.77	14.67	13.68
		1880 (18900)	15.75	14.73	13.74
		1857.5 (18675)	15.68	14.58	13.61
	75RB (0)	1902.5 (19125)	15.62	14.69	13.71
		1880 (18900)	15.71	14.65	13.58
		1857.5 (18675)	15.76	14.62	13.57
20MHz	1RB-High (99)	1900 (19100)	16.63	15.88	14.85
		1880 (18900)	16.62	15.81	14.88
		1860 (18700)	16.61	15.84	14.82
	1RB-Middle (50)	1900 (19100)	16.60	15.84	14.81
		1880 (18900)	16.62	15.84	14.80
		1860 (18700)	16.65	15.81	14.70
	1RB-Low (0)	1900 (19100)	16.64	15.82	14.85
		1880 (18900)	16.65	15.84	14.84

		1860 (18700)	16.66	15.89	14.75
	50RB-High (50)	1900 (19100)	15.64	14.68	13.70
		1880 (18900)	15.69	14.65	13.67
		1860 (18700)	15.66	14.63	13.64
	50RB-Middle (25)	1900 (19100)	15.69	14.68	13.64
		1880 (18900)	15.70	14.68	13.66
		1860 (18700)	15.66	14.62	13.62
	50RB-Low (0)	1900 (19100)	15.71	14.69	13.67
		1880 (18900)	15.67	14.67	13.65
		1860 (18700)	15.73	14.62	13.62
	100RB (0)	1900 (19100)	15.72	14.69	13.66
		1880 (18900)	15.70	14.67	13.65
		1860 (18700)	15.67	14.59	13.62

LTE B2 ANT5 DSI8/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	22.17	21.45	20.30
		1880 (18900)	22.09	21.26	20.32
		1850.7 (18607)	22.34	21.28	20.31
	1RB-Middle (3)	1909.3 (19193)	22.26	21.41	20.14
		1880 (18900)	22.25	21.29	20.22
		1850.7 (18607)	22.12	21.30	20.34
	1RB-Low (0)	1909.3 (19193)	22.31	21.34	20.50
		1880 (18900)	22.21	21.25	20.28
		1850.7 (18607)	22.24	21.49	20.18
	3RB-High (3)	1909.3 (19193)	22.29	21.47	20.39
		1880 (18900)	22.12	21.31	20.30
		1850.7 (18607)	22.16	21.43	20.42
	3RB-Middle (1)	1909.3 (19193)	22.27	21.48	20.30
		1880 (18900)	22.11	21.39	20.28
		1850.7 (18607)	22.10	21.32	20.39
	3RB-Low (0)	1909.3 (19193)	22.24	21.41	20.35
		1880 (18900)	22.21	21.37	20.44
		1850.7 (18607)	22.35	21.50	20.37
	6RB (0)	1909.3 (19193)	21.13	20.09	19.17
		1880 (18900)	21.29	20.11	19.01
		1850.7 (18607)	21.15	20.20	19.25
3MHz	1RB-High (14)	1908.5 (19185)	22.19	21.30	20.41
		1880 (18900)	22.18	21.30	20.38
		1851.5 (18615)	22.18	21.35	20.23

	1RB-Middle (7)	1908.5 (19185)	22.33	21.44	20.17
		1880 (18900)	22.19	21.38	20.24
		1851.5 (18615)	22.04	21.33	20.37
	1RB-Low (0)	1908.5 (19185)	22.20	21.42	20.49
		1880 (18900)	22.21	21.37	20.36
		1851.5 (18615)	22.21	21.45	20.34
	8RB-High (7)	1908.5 (19185)	21.08	20.20	19.17
		1880 (18900)	21.14	20.19	19.30
		1851.5 (18615)	21.19	20.10	19.10
	8RB-Middle (4)	1908.5 (19185)	21.17	20.11	19.15
		1880 (18900)	21.19	20.33	19.21
		1851.5 (18615)	21.16	20.16	19.18
	8RB-Low (0)	1908.5 (19185)	21.18	20.31	19.15
		1880 (18900)	21.23	20.21	19.14
		1851.5 (18615)	21.28	20.08	19.18
	15RB (0)	1908.5 (19185)	21.32	20.30	19.08
		1880 (18900)	21.28	20.22	19.24
		1851.5 (18615)	21.15	19.98	19.17
5MHz	1RB-High (24)	1907.5 (19175)	22.26	21.49	20.37
		1880 (18900)	22.21	21.40	20.38
		1852.5 (18625)	22.26	21.32	20.28
	1RB-Middle (12)	1907.5 (19175)	22.32	21.50	20.23
		1880 (18900)	22.16	21.34	20.30
		1852.5 (18625)	22.11	21.46	20.34
	1RB-Low (0)	1907.5 (19175)	22.35	21.43	20.34
		1880 (18900)	22.36	21.22	20.39
		1852.5 (18625)	22.29	21.50	20.22
	12RB-High (13)	1907.5 (19175)	21.09	20.17	19.23
		1880 (18900)	21.10	20.22	19.21
		1852.5 (18625)	21.18	20.07	19.09
	12RB-Middle (6)	1907.5 (19175)	21.24	20.18	19.21
		1880 (18900)	21.16	20.29	19.21
		1852.5 (18625)	21.31	20.09	19.13
	12RB-Low (0)	1907.5 (19175)	21.25	20.25	19.20
		1880 (18900)	21.22	20.18	19.26
		1852.5 (18625)	21.36	20.15	19.18
	25RB (0)	1907.5 (19175)	21.24	20.18	19.22
		1880 (18900)	21.25	20.16	19.05
		1852.5 (18625)	21.19	20.05	19.21
10MHz	1RB-High (49)	1905 (19150)	22.15	21.47	20.44
		1880 (18900)	22.09	21.45	20.36

		1855 (18650)	22.32	21.31	20.32
	1RB-Middle (24)	1905 (19150)	22.34	21.47	20.21
		1880 (18900)	22.19	21.41	20.18
		1855 (18650)	22.13	21.36	20.30
	1RB-Low (0)	1905 (19150)	22.36	21.40	20.47
		1880 (18900)	22.28	21.40	20.43
		1855 (18650)	22.31	21.43	20.20
	25RB-High (25)	1905 (19150)	21.14	20.12	19.19
		1880 (18900)	21.22	20.29	19.33
		1855 (18650)	21.16	20.08	19.22
	25RB-Middle (12)	1905 (19150)	21.29	20.15	19.14
		1880 (18900)	21.05	20.35	19.11
		1855 (18650)	21.34	20.25	19.12
	25RB-Low (0)	1905 (19150)	21.30	20.32	19.28
		1880 (18900)	21.18	20.23	19.31
		1855 (18650)	21.23	20.22	18.98
	50RB (0)	1905 (19150)	21.14	20.19	19.21
		1880 (18900)	21.29	20.23	19.13
		1855 (18650)	21.07	19.99	19.16
15MHz	1RB-High (74)	1902.5 (19125)	22.15	21.43	20.38
		1880 (18900)	22.25	21.41	20.39
		1857.5 (18675)	22.30	21.31	20.41
	1RB-Middle (37)	1902.5 (19125)	22.19	21.43	20.18
		1880 (18900)	22.22	21.33	20.25
		1857.5 (18675)	21.99	21.39	20.45
	1RB-Low (0)	1902.5 (19125)	22.18	21.50	20.33
		1880 (18900)	22.33	21.26	20.32
		1857.5 (18675)	22.25	21.38	20.35
	36RB-High (38)	1902.5 (19125)	21.15	20.03	19.24
		1880 (18900)	21.18	20.20	19.33
		1857.5 (18675)	21.23	20.21	19.03
	36RB-Middle (19)	1902.5 (19125)	21.23	20.25	19.11
		1880 (18900)	21.17	20.20	19.22
		1857.5 (18675)	21.22	20.15	19.21
	36RB-Low (0)	1902.5 (19125)	21.21	20.26	19.15
		1880 (18900)	21.13	20.22	19.14
		1857.5 (18675)	21.25	20.13	19.12
	75RB (0)	1902.5 (19125)	21.24	20.26	19.26
		1880 (18900)	21.16	20.19	19.06
		1857.5 (18675)	21.08	20.04	19.16
20MHz	1RB-High (99)	1900 (19100)	22.22	21.45	20.38

		1880 (18900)	22.17	21.36	20.29
		1860 (18700)	22.25	21.34	20.32
	1RB-Middle (50)	1900 (19100)	22.25	21.47	20.22
		1880 (18900)	22.21	21.33	20.25
		1860 (18700)	22.09	21.38	20.36
	1RB-Low (0)	1900 (19100)	22.28	21.50	20.42
		1880 (18900)	22.28	21.30	20.35
		1860 (18700)	22.31	21.41	20.28
	50RB-High (50)	1900 (19100)	21.12	20.13	19.15
		1880 (18900)	21.17	20.22	19.25
		1860 (18700)	21.16	20.13	19.12
	50RB-Middle (25)	1900 (19100)	21.22	20.21	19.19
		1880 (18900)	21.13	20.25	19.15
		1860 (18700)	21.24	20.16	19.22
	50RB-Low (0)	1900 (19100)	21.27	20.27	19.23
		1880 (18900)	21.17	20.19	19.24
		1860 (18700)	21.30	20.15	19.08
	100RB (0)	1900 (19100)	21.22	20.23	19.16
		1880 (18900)	21.22	20.16	19.14
		1860 (18700)	21.09	20.08	19.21

LTE B5 ANT1 DSI1/2/3/4/5/6/7/8/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	848.3 (20643)	24.11	23.39	22.17
		836.5 (20525)	24.19	23.38	22.33
		824.7 (20407)	24.00	23.21	22.29
	1RB-Middle (3)	848.3 (20643)	24.14	23.16	22.18
		836.5 (20525)	24.07	23.21	22.28
		824.7 (20407)	24.10	23.32	22.31
	1RB-Low (0)	848.3 (20643)	24.05	23.31	22.26
		836.5 (20525)	24.04	23.38	22.40
		824.7 (20407)	24.12	23.25	22.30
	3RB-High (3)	848.3 (20643)	24.01	22.96	22.09
		836.5 (20525)	23.91	23.05	22.23
		824.7 (20407)	24.03	23.04	22.27
	3RB-Middle (1)	848.3 (20643)	23.88	23.07	22.15
		836.5 (20525)	23.99	23.12	22.23
		824.7 (20407)	23.96	23.01	22.23
	3RB-Low (0)	848.3 (20643)	23.96	23.05	22.10
		836.5 (20525)	23.95	23.12	22.25

		824.7 (20407)	24.02	23.04	22.17
	6RB (0)	848.3 (20643)	23.03	22.09	20.99
		836.5 (20525)	23.09	22.19	21.11
		824.7 (20407)	23.11	22.15	21.10
3MHz	1RB-High (14)	847.5 (20635)	24.13	23.17	22.21
		836.5 (20525)	24.04	23.29	22.37
		825.5 (20415)	24.07	23.30	22.30
	1RB-Middle (7)	847.5 (20635)	24.13	23.24	22.17
		836.5 (20525)	24.11	23.41	22.38
		825.5 (20415)	24.02	23.27	22.30
	1RB-Low (0)	847.5 (20635)	24.14	23.27	22.29
		836.5 (20525)	24.10	23.31	22.41
		825.5 (20415)	24.03	23.33	22.35
	8RB-High (7)	847.5 (20635)	23.11	22.10	21.13
		836.5 (20525)	23.16	22.19	21.18
		825.5 (20415)	23.16	22.18	21.20
	8RB-Middle (4)	847.5 (20635)	23.11	22.10	21.14
		836.5 (20525)	23.16	22.18	21.24
		825.5 (20415)	23.12	22.14	21.20
	8RB-Low (0)	847.5 (20635)	23.10	22.14	21.23
		836.5 (20525)	23.19	22.20	21.30
		825.5 (20415)	23.14	22.16	21.22
	15RB (0)	847.5 (20635)	23.10	22.08	21.08
		836.5 (20525)	23.14	22.10	21.16
		825.5 (20415)	23.16	22.12	21.14
5MHz	1RB-High (24)	846.5 (20625)	24.25	23.24	22.35
		836.5 (20525)	24.11	23.42	22.35
		826.5 (20425)	24.11	23.43	22.29
	1RB-Middle (12)	846.5 (20625)	24.24	23.33	22.25
		836.5 (20525)	24.24	23.35	22.35
		826.5 (20425)	24.14	23.37	22.34
	1RB-Low (0)	846.5 (20625)	24.14	23.41	22.31
		836.5 (20525)	24.21	23.40	22.49
		826.5 (20425)	24.13	23.44	22.43
	12RB-High (13)	846.5 (20625)	23.14	22.09	21.17
		836.5 (20525)	23.20	22.18	21.23
		826.5 (20425)	23.21	22.21	21.25
	12RB-Middle (6)	846.5 (20625)	23.13	22.21	21.21
		836.5 (20525)	23.20	22.22	21.26
		826.5 (20425)	23.22	22.14	21.25
	12RB-Low (0)	846.5 (20625)	23.17	22.22	21.24

		836.5 (20525)	23.26	22.26	21.31
		826.5 (20425)	23.23	22.18	21.24
	25RB (0)	846.5 (20625)	23.22	22.20	21.17
		836.5 (20525)	23.26	22.25	21.23
		826.5 (20425)	23.25	22.22	21.22
10MHz	1RB-High (49)	844 (20600)	24.19	23.37	22.28
		836.5 (20525)	24.16	23.32	22.31
		829 (20450)	24.15	23.39	22.30
	1RB-Middle (24)	844 (20600)	24.16	23.47	22.32
		836.5 (20525)	24.24	23.37	22.41
		829 (20450)	24.13	23.43	22.29
	1RB-Low (0)	844 (20600)	24.12	23.47	22.44
		836.5 (20525)	24.26	23.46	22.41
		829 (20450)	24.31	23.31	22.35
	25RB-High (25)	844 (20600)	23.15	22.14	21.15
		836.5 (20525)	23.24	22.23	21.20
		829 (20450)	23.26	22.21	21.24
	25RB-Middle (12)	844 (20600)	23.18	22.16	21.18
		836.5 (20525)	23.22	22.22	21.22
		829 (20450)	23.21	22.24	21.22
	25RB-Low (0)	844 (20600)	23.25	22.22	21.25
		836.5 (20525)	23.23	22.23	21.24
		829 (20450)	23.19	22.22	21.20
	50RB (0)	844 (20600)	23.16	22.20	21.17
		836.5 (20525)	23.18	22.24	21.21
		829 (20450)	23.23	22.20	21.21

LTE B7 ANT1 DSI1/2/3/4/5/6/7/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2567.5 (21425)	23.27	22.49	21.47
		2535 (21100)	23.12	22.42	21.42
		2502.5 (20775)	23.04	22.37	21.35
	1RB-Middle (12)	2567.5 (21425)	23.20	22.43	21.45
		2535 (21100)	23.09	22.32	21.42
		2502.5 (20775)	23.15	22.33	21.25
	1RB-Low (0)	2567.5 (21425)	23.17	22.39	21.40
		2535 (21100)	23.13	22.47	21.26
		2502.5 (20775)	23.17	22.39	21.31
	12RB-High (13)	2567.5 (21425)	22.10	21.22	20.37
		2535 (21100)	22.15	21.11	20.21

		2502.5 (20775)	22.02	21.12	20.02
	12RB-Middle (6)	2567.5 (21425)	22.12	21.37	20.23
		2535 (21100)	22.14	21.10	20.04
		2502.5 (20775)	22.01	21.13	20.10
	12RB-Low (0)	2567.5 (21425)	22.31	21.34	20.34
		2535 (21100)	22.08	21.15	20.01
		2502.5 (20775)	22.11	21.02	20.09
	25RB (0)	2567.5 (21425)	22.30	21.18	20.19
		2535 (21100)	22.16	21.03	20.21
		2502.5 (20775)	21.98	21.07	19.99
10MHz	1RB-High (49)	2565 (21400)	23.13	22.40	21.46
		2535 (21100)	23.26	22.39	21.42
		2505 (20800)	23.08	22.23	21.31
	1RB-Middle (24)	2565 (21400)	23.24	22.33	21.33
		2535 (21100)	23.13	22.26	21.24
		2505 (20800)	23.11	22.29	21.17
	1RB-Low (0)	2565 (21400)	23.25	22.47	21.41
		2535 (21100)	23.01	22.43	21.24
		2505 (20800)	23.14	22.39	21.35
	25RB-High (25)	2565 (21400)	22.16	21.16	20.35
		2535 (21100)	22.08	21.26	20.18
		2505 (20800)	22.13	21.19	20.09
	25RB-Middle (12)	2565 (21400)	22.20	21.32	20.17
		2535 (21100)	22.16	21.23	20.06
		2505 (20800)	21.99	21.00	20.11
	25RB-Low (0)	2565 (21400)	22.28	21.21	20.17
		2535 (21100)	22.04	21.01	20.05
		2505 (20800)	22.14	20.97	20.08
	50RB (0)	2565 (21400)	22.19	21.14	20.24
		2535 (21100)	22.23	21.12	20.13
		2505 (20800)	21.98	21.13	20.15
15MHz	1RB-High (74)	2562.5 (21375)	23.14	22.40	21.31
		2535 (21100)	23.16	22.40	21.41
		2507.5 (20825)	23.09	22.34	21.35
	1RB-Middle (37)	2562.5 (21375)	23.11	22.40	21.46
		2535 (21100)	23.03	22.20	21.32
		2507.5 (20825)	23.03	22.39	21.29
	1RB-Low (0)	2562.5 (21375)	23.22	22.36	21.47
		2535 (21100)	23.03	22.44	21.34
		2507.5 (20825)	23.14	22.26	21.25
	36RB-High (38)	2562.5 (21375)	22.23	21.13	20.28

		2535 (21100)	22.15	21.07	20.26
		2507.5 (20825)	22.11	21.08	20.10
	36RB-Middle (19)	2562.5 (21375)	22.13	21.19	20.32
		2535 (21100)	22.17	21.04	20.15
		2507.5 (20825)	21.98	21.05	20.06
	36RB-Low (0)	2562.5 (21375)	22.29	21.32	20.19
		2535 (21100)	22.02	21.06	20.17
		2507.5 (20825)	22.05	21.08	19.97
	75RB (0)	2562.5 (21375)	22.34	21.34	20.22
		2535 (21100)	22.18	21.19	20.11
		2507.5 (20825)	22.06	20.99	20.11
20MHz	1RB-High (99)	2560 (21350)	23.20	22.50	21.39
		2535 (21100)	23.21	22.43	21.39
		2510 (20850)	23.09	22.32	21.28
	1RB-Middle (50)	2560 (21350)	23.17	22.46	21.41
		2535 (21100)	23.07	22.30	21.34
		2510 (20850)	23.05	22.31	21.19
	1RB-Low (0)	2560 (21350)	23.30	22.47	21.46
		2535 (21100)	23.11	22.46	21.29
		2510 (20850)	23.22	22.32	21.25
	50RB-High (50)	2560 (21350)	22.18	21.23	20.28
		2535 (21100)	22.16	21.16	20.18
		2510 (20850)	22.10	21.11	20.10
	50RB-Middle (25)	2560 (21350)	22.21	21.28	20.26
		2535 (21100)	22.10	21.13	20.14
		2510 (20850)	22.08	21.05	20.06
	50RB-Low (0)	2560 (21350)	22.29	21.29	20.27
		2535 (21100)	22.10	21.10	20.10
		2510 (20850)	22.05	20.99	20.05
	100RB (0)	2560 (21350)	22.25	21.24	20.26
		2535 (21100)	22.13	21.09	20.15
		2510 (20850)	22.25	21.04	20.06

LTE B7 ANT1 DSI8

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2567.5 (21425)	21.07	20.34	19.26
		2535 (21100)	20.93	20.28	19.17
		2502.5 (20775)	20.76	20.19	19.22
	1RB-Middle (12)	2567.5 (21425)	21.08	20.28	19.23
		2535 (21100)	20.99	20.13	19.21
		2502.5 (20775)	20.89	20.20	19.11
	1RB-Low (0)	2567.5 (21425)	20.95	20.18	19.12
		2535 (21100)	20.90	20.25	19.12
		2502.5 (20775)	20.99	20.11	19.19
	12RB-High (13)	2567.5 (21425)	19.88	19.09	18.24
		2535 (21100)	19.95	18.96	18.10
		2502.5 (20775)	19.92	18.82	17.72
	12RB-Middle (6)	2567.5 (21425)	19.94	19.26	18.04
		2535 (21100)	19.85	18.93	17.82
		2502.5 (20775)	19.78	18.84	17.80
	12RB-Low (0)	2567.5 (21425)	20.04	19.10	18.24
		2535 (21100)	19.92	18.86	17.87
		2502.5 (20775)	19.95	18.86	17.82
	25RB (0)	2567.5 (21425)	20.08	18.95	17.90
		2535 (21100)	19.99	18.90	17.99
		2502.5 (20775)	19.77	18.95	17.87
10MHz	1RB-High (49)	2565 (21400)	20.88	20.22	19.26
		2535 (21100)	21.02	20.29	19.14
		2505 (20800)	20.80	20.09	19.05
	1RB-Middle (24)	2565 (21400)	21.01	20.11	19.03
		2535 (21100)	21.00	20.10	19.11
		2505 (20800)	20.82	20.15	18.91
	1RB-Low (0)	2565 (21400)	20.96	20.23	19.23
		2535 (21100)	20.71	20.29	19.00
		2505 (20800)	20.90	20.13	19.07
	25RB-High (25)	2565 (21400)	19.95	18.95	18.15
		2535 (21100)	19.92	19.09	18.08
		2505 (20800)	19.88	19.08	17.93
	25RB-Middle (12)	2565 (21400)	19.94	19.14	18.02
		2535 (21100)	19.87	19.04	17.83
		2505 (20800)	19.76	18.82	17.91
	25RB-Low (0)	2565 (21400)	20.17	19.09	18.07
		2535 (21100)	19.77	18.77	17.95

		2505 (20800)	19.86	18.79	17.80
	50RB (0)	2565 (21400)	20.01	19.00	18.12
		2535 (21100)	20.04	18.88	18.00
		2505 (20800)	19.88	18.93	18.00
15MHz	1RB-High (74)	2562.5 (21375)	21.00	20.22	19.19
		2535 (21100)	20.88	20.20	19.22
		2507.5 (20825)	20.81	20.12	19.20
	1RB-Middle (37)	2562.5 (21375)	20.89	20.27	19.25
		2535 (21100)	20.75	19.90	19.07
		2507.5 (20825)	20.79	20.20	19.00
	1RB-Low (0)	2562.5 (21375)	20.95	20.21	19.19
		2535 (21100)	20.88	20.16	19.04
		2507.5 (20825)	21.04	20.06	19.14
	36RB-High (38)	2562.5 (21375)	20.04	18.91	18.09
		2535 (21100)	19.92	18.95	18.03
		2507.5 (20825)	19.98	18.87	18.00
	36RB-Middle (19)	2562.5 (21375)	19.84	18.95	18.08
		2535 (21100)	20.01	18.82	18.04
		2507.5 (20825)	19.71	18.94	17.94
	36RB-Low (0)	2562.5 (21375)	20.11	19.12	17.93
		2535 (21100)	19.88	18.90	18.06
		2507.5 (20825)	19.87	18.96	17.71
	75RB (0)	2562.5 (21375)	20.12	19.05	17.92
		2535 (21100)	19.99	18.96	17.93
		2507.5 (20825)	19.94	18.89	17.84
20MHz	1RB-High (99)	2560 (21350)	20.95	20.24	19.20
		2535 (21100)	21.10	20.19	19.19
		2510 (20850)	20.79	20.22	19.14
	1RB-Middle (50)	2560 (21350)	20.91	20.26	19.22
		2535 (21100)	20.82	20.04	19.05
		2510 (20850)	20.90	20.02	18.93
	1RB-Low (0)	2560 (21350)	21.23	20.18	19.23
		2535 (21100)	21.16	20.24	19.04
		2510 (20850)	20.95	20.20	19.07
	50RB-High (50)	2560 (21350)	19.93	19.06	18.11
		2535 (21100)	19.91	18.89	17.94
		2510 (20850)	20.00	18.84	17.86
	50RB-Middle (25)	2560 (21350)	20.08	19.02	18.14
		2535 (21100)	19.89	18.94	17.86
		2510 (20850)	19.96	18.79	17.94
	50RB-Low (0)	2560 (21350)	20.03	19.06	18.01

		2535 (21100)	19.85	19.00	17.91
		2510 (20850)	19.82	18.81	17.80
	100RB (0)	2560 (21350)	20.12	18.97	18.13
		2535 (21100)	19.92	18.94	17.98
		2510 (20850)	20.12	18.76	17.86

LTE B12 ANT1 DSI1/2/3/4/5/6/7/8/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	715.3	23.36	22.33	21.41
		707.5	23.42	22.56	21.53
		699.7	23.41	22.37	21.50
	1RB-Middle (3)	715.3	23.35	22.44	21.38
		707.5	23.43	22.41	21.42
		699.7	23.36	22.41	21.50
	1RB-Low (0)	715.3	23.30	22.35	21.37
		707.5	23.39	22.48	21.47
		699.7	23.40	22.54	21.49
	3RB-High (3)	715.3	23.29	22.37	21.38
		707.5	23.20	22.25	21.39
		699.7	23.27	22.37	21.31
	3RB-Middle (1)	715.3	23.19	22.42	21.37
		707.5	23.26	22.30	21.42
		699.7	23.25	22.33	21.34
	3RB-Low (0)	715.3	23.16	22.26	21.33
		707.5	23.27	22.24	21.41
		699.7	23.28	22.25	21.38
	6RB (0)	715.3	22.22	21.26	20.18
		707.5	22.26	21.33	20.22
		699.7	22.33	21.39	20.27
3MHz	1RB-High (14)	714.5	23.28	22.50	21.35
		707.5	23.27	22.50	21.57
		700.5	23.32	22.49	21.58
	1RB-Middle (7)	714.5	23.22	22.34	21.30
		707.5	23.34	22.45	21.51
		700.5	23.39	22.51	21.41
	1RB-Low (0)	714.5	23.41	22.48	21.40
		707.5	23.48	22.54	21.43
		700.5	23.46	22.56	21.46
	8RB-High (7)	714.5	22.29	21.30	20.34
		707.5	22.29	21.33	20.36

		700.5	22.30	21.36	20.36
	8RB-Middle (4)	714.5	22.25	21.28	20.28
		707.5	22.27	21.28	20.33
		700.5	22.29	21.34	20.33
	8RB-Low (0)	714.5	22.29	21.34	20.37
		707.5	22.31	21.35	20.36
		700.5	22.33	21.36	20.38
	15RB (0)	714.5	22.26	21.22	20.21
		707.5	22.28	21.29	20.25
		700.5	22.28	21.30	20.30
5MHz	1RB-High (24)	713.5	23.38	22.46	21.49
		707.5	23.30	22.55	21.54
		701.5	23.54	22.61	21.55
	1RB-Middle (12)	713.5	23.29	22.47	21.51
		707.5	23.50	22.65	21.45
		701.5	23.37	22.52	21.49
	1RB-Low (0)	713.5	23.28	22.57	21.43
		707.5	23.54	22.59	21.47
		701.5	23.40	22.57	21.58
	12RB-High (13)	713.5	22.29	21.33	20.36
		707.5	22.33	21.33	20.36
		701.5	22.43	21.46	20.45
	12RB-Middle (6)	713.5	22.28	21.32	20.41
		707.5	22.31	21.36	20.38
		701.5	22.36	21.40	20.42
	12RB-Low (0)	713.5	22.37	21.37	20.38
		707.5	22.35	21.39	20.39
		701.5	22.39	21.38	20.44
	25RB (0)	713.5	22.34	21.36	20.36
		707.5	22.36	21.38	20.39
		701.5	22.43	21.39	20.43
10MHz	1RB-High (49)	711	23.32	22.38	21.41
		707.5	23.31	22.57	21.39
		704	23.53	22.45	21.43
	1RB-Middle (24)	711	23.36	22.56	21.39
		707.5	23.34	22.53	21.59
		704	23.52	22.50	21.49
	1RB-Low (0)	711	23.53	22.72	21.57
		707.5	23.55	22.66	21.65
		704	23.51	22.61	21.49
	25RB-High (25)	711	22.26	21.28	20.29

		707.5	22.30	21.32	20.29
		704	22.35	21.37	20.36
	25RB-Middle (12)	711	22.30	21.26	20.29
		707.5	22.34	21.33	20.34
		704	22.38	21.42	20.38
	25RB-Low (0)	711	22.37	21.37	20.35
		707.5	22.39	21.39	20.37
		704	22.36	21.39	20.37
	50RB (0)	711	22.32	21.32	20.32
		707.5	22.34	21.32	20.34
		704	22.38	21.34	20.33

LTE B14 ANT1 DSI1/2/3/4/5/6/7/8/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	795.5 (23355)	24.04	23.39	22.34
		793 (23330)	24.13	23.41	22.45
		790.5 (23305)	24.15	23.49	22.48
	1RB-Middle (12)	795.5 (23355)	24.12	23.49	22.44
		793 (23330)	24.21	23.54	22.41
		790.5 (23305)	24.21	23.48	22.45
	1RB-Low (0)	795.5 (23355)	24.21	23.56	22.44
		793 (23330)	24.20	23.46	22.34
		790.5 (23305)	24.17	23.51	22.48
	12RB-High (13)	795.5 (23355)	23.21	22.25	21.30
		793 (23330)	23.25	22.29	21.31
		790.5 (23305)	23.28	22.29	21.29
	12RB-Middle (6)	795.5 (23355)	23.29	22.28	21.30
		793 (23330)	23.25	22.27	21.33
		790.5 (23305)	23.25	22.28	21.32
	12RB-Low (0)	795.5 (23355)	23.31	22.29	21.34
		793 (23330)	23.31	22.35	21.34
		790.5 (23305)	23.28	22.29	21.35
	25RB (0)	795.5 (23355)	23.26	22.26	21.26
		793 (23330)	23.34	22.30	21.29
		790.5 (23305)	23.34	22.30	21.29
10MHz	1RB-High (49)	793 (23330)	24.13	23.38	22.44
	1RB-Middle (24)	793 (23330)	24.26	23.43	22.42
	1RB-Low (0)	793 (23330)	24.12	23.51	22.35
	25RB-High (25)	793 (23330)	23.24	22.23	21.22
	25RB-Middle (12)	793 (23330)	23.28	22.25	21.28

	25RB-Low (0)	793 (23330)	23.25	22.25	21.28
	50RB (0)	793 (23330)	23.30	22.26	21.30

LTE B30 ANT1 DSI1/2/3/4/5/6/7/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	23.01	22.20	21.12
		2310 (27710)	23.10	22.20	21.15
		2307.5 (27685)	23.11	22.30	21.11
	1RB-Middle (12)	2312.5 (27735)	23.12	22.22	21.23
		2310 (27710)	23.01	22.30	21.15
		2307.5 (27685)	23.03	22.30	21.16
	1RB-Low (0)	2312.5 (27735)	23.07	22.17	21.16
		2310 (27710)	23.05	22.21	21.10
		2307.5 (27685)	22.96	22.11	21.06
	12RB-High (13)	2312.5 (27735)	22.01	20.98	20.15
		2310 (27710)	21.95	20.99	20.21
		2307.5 (27685)	21.94	20.95	20.11
	12RB-Middle (6)	2312.5 (27735)	21.95	21.00	20.18
		2310 (27710)	21.95	21.01	20.20
		2307.5 (27685)	21.97	20.98	20.13
	12RB-Low (0)	2312.5 (27735)	22.04	21.04	20.21
		2310 (27710)	22.14	21.04	20.16
		2307.5 (27685)	22.02	21.01	20.15
	25RB (0)	2312.5 (27735)	22.05	21.01	20.12
		2310 (27710)	22.06	21.05	20.18
		2307.5 (27685)	22.02	21.00	20.07
10MHz	1RB-High (49)	2310 (27710)	23.04	22.21	21.15
	1RB-Middle (24)	2310 (27710)	23.17	22.18	21.22
	1RB-Low (0)	2310 (27710)	22.98	22.27	21.15
	25RB-High (25)	2310 (27710)	22.05	20.99	20.11
	25RB-Middle (12)	2310 (27710)	22.03	20.98	20.14
	25RB-Low (0)	2310 (27710)	22.10	21.06	20.14
	50RB (0)	2310 (27710)	22.01	21.04	20.11

LTE B30 ANT1 DSI8

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	21.99	21.17	20.12
		2310 (27710)	22.15	21.20	20.18
		2307.5 (27685)	22.08	21.29	20.07
	1RB-Middle (12)	2312.5 (27735)	22.08	21.23	20.21
		2310 (27710)	21.99	21.25	20.13
		2307.5 (27685)	22.01	21.27	20.16
	1RB-Low (0)	2312.5 (27735)	22.06	21.21	20.20
		2310 (27710)	22.03	21.22	20.15
		2307.5 (27685)	21.92	21.06	20.03
	12RB-High (13)	2312.5 (27735)	21.00	20.03	19.14
		2310 (27710)	20.95	19.99	19.16
		2307.5 (27685)	20.91	19.96	19.16
	12RB-Middle (6)	2312.5 (27735)	20.95	19.97	19.19
		2310 (27710)	20.92	19.97	19.21
		2307.5 (27685)	20.94	19.95	19.11
	12RB-Low (0)	2312.5 (27735)	21.07	19.99	19.16
		2310 (27710)	21.18	20.05	19.13
		2307.5 (27685)	21.03	19.99	19.18
	25RB (0)	2312.5 (27735)	21.03	20.02	19.15
		2310 (27710)	21.11	20.08	19.20
		2307.5 (27685)	21.07	19.96	19.08
10MHz	1RB-High (49)	2310 (27710)	22.00	21.18	20.11
	1RB-Middle (24)	2310 (27710)	22.12	21.23	20.23
	1RB-Low (0)	2310 (27710)	22.02	21.27	20.20
	25RB-High (25)	2310 (27710)	21.04	19.98	19.11
	25RB-Middle (12)	2310 (27710)	21.01	19.97	19.18
	25RB-Low (0)	2310 (27710)	21.09	20.05	19.14
	50RB (0)	2310 (27710)	21.03	20.05	19.09

LTE B30 ANT5 DSI7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	15.85	15.18	14.00
		2310 (27710)	15.86	15.22	13.99
		2307.5 (27685)	15.86	15.19	14.06
	1RB-Middle (12)	2312.5 (27735)	15.86	15.13	14.03
		2310 (27710)	15.96	15.09	14.06
		2307.5 (27685)	15.88	15.05	14.02
	1RB-Low (0)	2312.5 (27735)	15.85	15.14	14.17
		2310 (27710)	15.94	15.24	14.13
		2307.5 (27685)	15.89	15.10	14.02
	12RB-High (13)	2312.5 (27735)	14.81	13.85	12.86
		2310 (27710)	14.80	13.85	12.87
		2307.5 (27685)	14.84	13.86	12.82
	12RB-Middle (6)	2312.5 (27735)	14.86	13.86	12.91
		2310 (27710)	14.89	13.88	12.91
		2307.5 (27685)	14.82	13.84	12.91
	12RB-Low (0)	2312.5 (27735)	14.88	13.90	12.91
		2310 (27710)	14.90	13.89	12.93
		2307.5 (27685)	14.89	13.91	12.94
	25RB (0)	2312.5 (27735)	14.89	13.86	12.85
		2310 (27710)	14.89	13.87	12.90
		2307.5 (27685)	14.91	13.90	12.85
10MHz	1RB-High (49)	2310 (27710)	15.81	15.17	14.00
	1RB-Middle (24)	2310 (27710)	15.91	15.11	14.11
	1RB-Low (0)	2310 (27710)	15.86	15.20	14.06
	25RB-High (25)	2310 (27710)	14.87	13.87	12.87
	25RB-Middle (12)	2310 (27710)	14.91	13.89	12.88
	25RB-Low (0)	2310 (27710)	14.93	13.93	12.87
	50RB (0)	2310 (27710)	14.89	13.87	12.91

LTE B30 ANT5 DSI8

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	18.45	17.76	16.52
		2310 (27710)	18.55	17.74	16.52
		2307.5 (27685)	18.42	17.86	16.72
	1RB-Middle (12)	2312.5 (27735)	18.47	17.68	16.64
		2310 (27710)	18.49	17.76	16.59
		2307.5 (27685)	18.48	17.67	16.64
	1RB-Low (0)	2312.5 (27735)	18.53	17.67	16.72
		2310 (27710)	18.52	17.79	16.64
		2307.5 (27685)	18.50	17.63	16.71
	12RB-High (13)	2312.5 (27735)	17.48	16.37	15.44
		2310 (27710)	17.37	16.51	15.53
		2307.5 (27685)	17.40	16.54	15.47
	12RB-Middle (6)	2312.5 (27735)	17.48	16.40	15.54
		2310 (27710)	17.54	16.52	15.50
		2307.5 (27685)	17.38	16.48	15.54
	12RB-Low (0)	2312.5 (27735)	17.58	16.54	15.59
		2310 (27710)	17.40	16.52	15.59
		2307.5 (27685)	17.59	16.47	15.52
	25RB (0)	2312.5 (27735)	17.48	16.46	15.41
		2310 (27710)	17.42	16.42	15.47
		2307.5 (27685)	17.61	16.60	15.37
10MHz	1RB-High (49)	2310 (27710)	18.38	17.85	16.70
	1RB-Middle (24)	2310 (27710)	18.48	17.81	16.69
	1RB-Low (0)	2310 (27710)	18.50	17.78	16.63
	25RB-High (25)	2310 (27710)	17.43	16.40	15.56
	25RB-Middle (12)	2310 (27710)	17.59	16.52	15.40
	25RB-Low (0)	2310 (27710)	17.52	16.59	15.57
	50RB (0)	2310 (27710)	17.43	16.57	15.57

LTE B30 ANT5 DSI9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	20.40	19.82	18.81
		2310 (27710)	20.62	19.69	18.68
		2307.5 (27685)	20.77	19.68	18.56
	1RB-Middle (12)	2312.5 (27735)	20.71	19.65	18.54
		2310 (27710)	20.57	19.67	18.58
		2307.5 (27685)	20.53	19.83	18.88
	1RB-Low (0)	2312.5 (27735)	20.77	19.86	18.65
		2310 (27710)	20.62	19.84	18.75
		2307.5 (27685)	20.54	19.92	18.64
	12RB-High (13)	2312.5 (27735)	19.51	18.62	17.63
		2310 (27710)	19.53	18.46	17.75
		2307.5 (27685)	19.56	18.49	17.47
	12RB-Middle (6)	2312.5 (27735)	19.65	18.75	17.59
		2310 (27710)	19.59	18.46	17.71
		2307.5 (27685)	19.62	18.50	17.59
	12RB-Low (0)	2312.5 (27735)	19.55	18.63	17.62
		2310 (27710)	19.43	18.75	17.71
		2307.5 (27685)	19.57	18.54	17.70
	25RB (0)	2312.5 (27735)	19.61	18.67	17.58
		2310 (27710)	19.78	18.60	17.55
		2307.5 (27685)	19.55	18.44	17.54
10MHz	1RB-High (49)	2310 (27710)	20.56	19.81	18.71
	1RB-Middle (24)	2310 (27710)	20.72	19.71	18.73
	1RB-Low (0)	2310 (27710)	20.77	19.84	18.80
	25RB-High (25)	2310 (27710)	19.62	18.54	17.65
	25RB-Middle (12)	2310 (27710)	19.65	18.49	17.62
	25RB-Low (0)	2310 (27710)	19.51	18.41	17.68
	50RB (0)	2310 (27710)	19.45	18.62	17.66

LTE B66 ANT1 DSI1/4/7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	23.92	23.00	22.00
		1745 (132322)	23.87	23.10	22.00
		1710.7 (131979)	24.18	23.19	22.17
	1RB-Middle (3)	1779.3 (132665)	23.87	23.05	22.02
		1745 (132322)	23.90	23.12	22.22
		1710.7 (131979)	23.95	23.05	22.08

	1RB-Low (0)	1779.3 (132665)	23.87	23.04	22.03
		1745 (132322)	23.97	23.13	22.15
		1710.7 (131979)	24.01	23.13	22.22
	3RB-High (3)	1779.3 (132665)	23.77	22.78	21.96
		1745 (132322)	23.89	22.77	21.92
		1710.7 (131979)	23.88	22.82	22.06
	3RB-Middle (1)	1779.3 (132665)	23.86	22.78	22.00
		1745 (132322)	23.88	22.85	21.92
		1710.7 (131979)	23.80	22.85	22.00
	3RB-Low (0)	1779.3 (132665)	23.84	22.89	21.91
		1745 (132322)	23.84	22.87	21.93
		1710.7 (131979)	23.92	22.92	22.01
	6RB (0)	1779.3 (132665)	22.87	21.92	20.79
		1745 (132322)	22.84	21.95	20.93
		1710.7 (131979)	22.91	21.94	20.90
3MHz	1RB-High (14)	1778.5 (132657)	23.90	23.03	22.08
		1745 (132322)	24.04	23.02	22.07
		1711.5 (131987)	24.00	23.14	22.18
	1RB-Middle (7)	1778.5 (132657)	23.94	23.05	21.99
		1745 (132322)	23.98	23.12	22.19
		1711.5 (131987)	23.94	23.24	22.21
	1RB-Low (0)	1778.5 (132657)	23.97	23.09	22.03
		1745 (132322)	23.88	23.08	22.06
		1711.5 (131987)	24.06	23.05	22.11
	8RB-High (7)	1778.5 (132657)	22.82	21.87	20.93
		1745 (132322)	22.88	21.90	20.90
		1711.5 (131987)	22.92	22.01	21.05
	8RB-Middle (4)	1778.5 (132657)	22.87	21.91	20.91
		1745 (132322)	22.85	21.88	20.96
		1711.5 (131987)	22.92	21.97	21.00
	8RB-Low (0)	1778.5 (132657)	22.88	21.92	20.94
		1745 (132322)	22.87	21.92	21.00
		1711.5 (131987)	22.93	21.99	21.04
	15RB (0)	1778.5 (132657)	22.85	21.89	20.86
		1745 (132322)	22.84	21.83	20.89
		1711.5 (131987)	22.90	21.95	20.96
5MHz	1RB-High (24)	1777.5 (132647)	24.01	23.19	22.04
		1745 (132322)	24.08	23.15	22.14
		1712.5 (131997)	23.97	23.19	22.15
	1RB-Middle (12)	1777.5 (132647)	23.96	23.18	22.01
		1745 (132322)	24.09	23.23	22.12

		1712.5 (131997)	24.19	23.21	22.17
	1RB-Low (0)	1777.5 (132647)	24.12	23.16	22.17
		1745 (132322)	23.99	23.24	22.12
		1712.5 (131997)	24.05	23.23	22.23
	12RB-High (13)	1777.5 (132647)	22.92	21.93	20.95
		1745 (132322)	22.96	22.00	21.00
		1712.5 (131997)	23.00	21.99	21.05
	12RB-Middle (6)	1777.5 (132647)	22.96	21.91	20.93
		1745 (132322)	22.98	21.93	20.95
		1712.5 (131997)	23.01	21.95	21.05
	12RB-Low (0)	1777.5 (132647)	22.99	22.01	21.02
		1745 (132322)	22.96	21.92	21.01
		1712.5 (131997)	23.00	21.98	21.05
	25RB (0)	1777.5 (132647)	23.00	21.94	20.94
		1745 (132322)	23.00	22.00	20.95
		1712.5 (131997)	23.02	22.04	20.98
10MHz	1RB-High (49)	1775 (132622)	24.17	23.23	22.14
		1745 (132322)	24.04	23.18	22.18
		1715 (132022)	24.04	23.31	22.12
	1RB-Middle (24)	1775 (132622)	24.09	23.19	22.14
		1745 (132322)	23.92	23.07	22.22
		1715 (132022)	24.09	23.21	22.17
	1RB-Low (0)	1775 (132622)	24.07	23.30	22.20
		1745 (132322)	24.14	23.38	22.23
		1715 (132022)	24.15	23.25	22.21
	25RB-High (25)	1775 (132622)	22.97	21.94	20.89
		1745 (132322)	22.99	22.00	20.97
		1715 (132022)	22.98	21.99	21.00
	25RB-Middle (12)	1775 (132622)	22.91	21.95	20.92
		1745 (132322)	22.97	21.93	20.93
		1715 (132022)	22.99	21.99	20.99
	25RB-Low (0)	1775 (132622)	22.96	21.98	20.96
		1745 (132322)	22.96	21.99	20.99
		1715 (132022)	23.01	22.01	21.01
	50RB (0)	1775 (132622)	22.94	21.94	20.95
		1745 (132322)	22.96	21.96	20.96
		1715 (132022)	23.00	22.00	21.01
15MHz	1RB-High (74)	1772.5 (132597)	23.99	23.13	22.13
		1745 (132322)	24.04	23.06	22.08
		1717.5 (132047)	24.04	23.31	22.20
	1RB-Middle (37)	1772.5 (132597)	23.94	23.11	22.09

		1745 (132322)	24.05	23.12	22.20
		1717.5 (132047)	24.07	23.16	22.11
	1RB-Low (0)	1772.5 (132597)	23.97	23.25	22.15
		1745 (132322)	24.01	23.16	22.28
		1717.5 (132047)	24.09	23.22	22.19
	36RB-High (38)	1772.5 (132597)	22.92	21.88	20.92
		1745 (132322)	22.94	21.93	20.91
		1717.5 (132047)	22.95	22.00	20.98
	36RB-Middle (19)	1772.5 (132597)	22.90	21.90	20.95
		1745 (132322)	22.91	21.92	20.96
		1717.5 (132047)	22.91	21.93	21.00
	36RB-Low (0)	1772.5 (132597)	22.95	21.94	20.99
		1745 (132322)	22.93	21.98	21.01
		1717.5 (132047)	22.99	21.98	20.99
	75RB (0)	1772.5 (132597)	22.94	21.93	20.98
		1745 (132322)	22.95	21.96	21.00
		1717.5 (132047)	23.01	21.99	21.01
20MHz	1RB-High (99)	1770 (132572)	24.10	23.22	22.18
		1745 (132322)	23.93	23.22	22.06
		1720 (132072)	24.03	23.21	22.22
	1RB-Middle (50)	1770 (132572)	24.06	23.20	22.18
		1745 (132322)	24.03	23.23	22.14
		1720 (132072)	24.08	23.22	22.12
	1RB-Low (0)	1770 (132572)	24.01	23.32	22.15
		1745 (132322)	24.13	23.28	22.19
		1720 (132072)	24.07	23.25	22.23
	50RB-High (50)	1770 (132572)	22.91	22.00	20.92
		1745 (132322)	22.93	21.95	20.91
		1720 (132072)	22.98	21.97	20.96
	50RB-Middle (25)	1770 (132572)	23.01	21.95	20.99
		1745 (132322)	23.05	21.96	20.99
		1720 (132072)	22.98	22.00	21.01
	50RB-Low (0)	1770 (132572)	22.96	21.92	20.97
		1745 (132322)	22.99	21.98	20.97
		1720 (132072)	23.00	22.02	21.05
	100RB (0)	1770 (132572)	22.93	21.97	20.95
		1745 (132322)	22.98	21.93	20.94
		1720 (132072)	23.00	21.98	20.97

LTE B66 ANT1 DSI2/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	19.64	18.88	17.74
		1745 (132322)	19.66	18.83	17.81
		1710.7 (131979)	19.57	18.70	17.70
	1RB-Middle (3)	1779.3 (132665)	19.64	18.93	17.82
		1745 (132322)	19.62	18.81	17.79
		1710.7 (131979)	19.56	18.73	17.78
	1RB-Low (0)	1779.3 (132665)	19.67	18.87	17.94
		1745 (132322)	19.71	19.02	17.91
		1710.7 (131979)	19.56	18.77	17.68
	3RB-High (3)	1779.3 (132665)	19.58	18.61	17.73
		1745 (132322)	19.59	18.57	17.72
		1710.7 (131979)	19.52	18.47	17.60
	3RB-Middle (1)	1779.3 (132665)	19.57	18.50	17.70
		1745 (132322)	19.58	18.52	17.65
		1710.7 (131979)	19.49	18.47	17.60
	3RB-Low (0)	1779.3 (132665)	19.58	18.56	17.75
		1745 (132322)	19.59	18.62	17.73
		1710.7 (131979)	19.50	18.44	17.74
	6RB (0)	1779.3 (132665)	18.56	17.67	16.61
		1745 (132322)	18.58	17.64	16.56
		1710.7 (131979)	18.54	17.62	16.54
3MHz	1RB-High (14)	1778.5 (132657)	19.65	18.87	17.81
		1745 (132322)	19.66	18.85	17.77
		1711.5 (131987)	19.54	18.78	17.76
	1RB-Middle (7)	1778.5 (132657)	19.71	18.81	17.84
		1745 (132322)	19.66	18.83	17.84
		1711.5 (131987)	19.55	18.94	17.73
	1RB-Low (0)	1778.5 (132657)	19.66	19.02	17.82
		1745 (132322)	19.63	18.84	17.77
		1711.5 (131987)	19.56	18.75	17.67
	8RB-High (7)	1778.5 (132657)	18.63	17.71	16.67
		1745 (132322)	18.64	17.71	16.69
		1711.5 (131987)	18.58	17.61	16.57
	8RB-Middle (4)	1778.5 (132657)	18.61	17.69	16.64
		1745 (132322)	18.62	17.65	16.67
		1711.5 (131987)	18.57	17.63	16.60
	8RB-Low (0)	1778.5 (132657)	18.65	17.70	16.70
		1745 (132322)	18.60	17.71	16.71

		1711.5 (131987)	18.55	17.66	16.65
	15RB (0)	1778.5 (132657)	18.61	17.63	16.62
		1745 (132322)	18.59	17.65	16.58
		1711.5 (131987)	18.54	17.57	16.57
5MHz	1RB-High (24)	1777.5 (132647)	19.70	18.89	17.86
		1745 (132322)	19.68	18.86	17.88
		1712.5 (131997)	19.57	18.81	17.72
	1RB-Middle (12)	1777.5 (132647)	19.68	18.91	17.88
		1745 (132322)	19.72	18.96	17.84
		1712.5 (131997)	19.62	18.89	17.81
	1RB-Low (0)	1777.5 (132647)	19.74	19.00	17.97
		1745 (132322)	19.66	19.00	17.83
		1712.5 (131997)	19.58	18.97	17.70
	12RB-High (13)	1777.5 (132647)	18.65	17.71	16.73
		1745 (132322)	18.69	17.63	16.69
		1712.5 (131997)	18.61	17.62	16.63
	12RB-Middle (6)	1777.5 (132647)	18.67	17.68	16.70
		1745 (132322)	18.68	17.67	16.70
		1712.5 (131997)	18.58	17.60	16.69
	12RB-Low (0)	1777.5 (132647)	18.68	17.68	16.76
		1745 (132322)	18.68	17.68	16.74
		1712.5 (131997)	18.64	17.62	16.66
	25RB (0)	1777.5 (132647)	18.68	17.68	16.69
		1745 (132322)	18.69	17.71	16.70
		1712.5 (131997)	18.64	17.63	16.61
10MHz	1RB-High (49)	1775 (132622)	19.73	19.10	17.91
		1745 (132322)	19.70	18.90	17.93
		1715 (132022)	19.71	18.93	17.84
	1RB-Middle (24)	1775 (132622)	19.69	19.06	17.94
		1745 (132322)	19.68	18.97	17.83
		1715 (132022)	19.54	18.83	17.80
	1RB-Low (0)	1775 (132622)	19.75	19.14	17.89
		1745 (132322)	19.74	19.15	17.79
		1715 (132022)	19.63	18.84	17.82
	25RB-High (25)	1775 (132622)	18.70	17.68	16.71
		1745 (132322)	18.71	17.69	16.71
		1715 (132022)	18.66	17.66	16.64
	25RB-Middle (12)	1775 (132622)	18.73	17.70	16.73
		1745 (132322)	18.72	17.67	16.67
		1715 (132022)	18.63	17.63	16.59
	25RB-Low (0)	1775 (132622)	18.73	17.69	16.69

		1745 (132322)	18.74	17.71	16.69
		1715 (132022)	18.62	17.66	16.65
	50RB (0)	1775 (132622)	18.70	17.71	16.70
		1745 (132322)	18.71	17.70	16.69
		1715 (132022)	18.66	17.65	16.65
15MHz	1RB-High (74)	1772.5 (132597)	19.69	18.98	17.81
		1745 (132322)	19.71	18.93	17.86
		1717.5 (132047)	19.70	18.95	17.82
	1RB-Middle (37)	1772.5 (132597)	19.70	19.13	17.86
		1745 (132322)	19.70	18.94	17.90
		1717.5 (132047)	19.60	18.98	17.73
	1RB-Low (0)	1772.5 (132597)	19.75	18.99	17.93
		1745 (132322)	19.72	19.12	17.88
		1717.5 (132047)	19.61	18.91	17.77
	36RB-High (38)	1772.5 (132597)	18.63	17.67	16.68
		1745 (132322)	18.69	17.67	16.69
		1717.5 (132047)	18.65	17.65	16.68
	36RB-Middle (19)	1772.5 (132597)	18.65	17.70	16.69
		1745 (132322)	18.63	17.64	16.67
		1717.5 (132047)	18.57	17.62	16.66
	36RB-Low (0)	1772.5 (132597)	18.68	17.68	16.72
		1745 (132322)	18.67	17.67	16.72
		1717.5 (132047)	18.57	17.59	16.63
	75RB (0)	1772.5 (132597)	18.67	17.70	16.71
		1745 (132322)	18.66	17.69	16.68
		1717.5 (132047)	18.62	17.65	16.62
20MHz	1RB-High (99)	1770 (132572)	19.74	18.97	17.97
		1745 (132322)	19.76	19.04	17.92
		1720 (132072)	19.71	19.14	17.92
	1RB-Middle (50)	1770 (132572)	19.72	19.00	17.89
		1745 (132322)	19.72	18.93	17.90
		1720 (132072)	19.68	18.92	17.80
	1RB-Low (0)	1770 (132572)	19.73	18.92	17.94
		1745 (132322)	19.73	19.15	17.97
		1720 (132072)	19.64	19.01	17.82
	50RB-High (50)	1770 (132572)	18.70	17.71	16.74
		1745 (132322)	18.72	17.69	16.75
		1720 (132072)	18.69	17.67	16.70
	50RB-Middle (25)	1770 (132572)	18.74	17.74	16.74
		1745 (132322)	18.79	17.70	16.73
		1720 (132072)	18.66	17.65	16.64

	50RB-Low (0)	1770 (132572)	18.73	17.74	16.74
		1745 (132322)	18.71	17.69	16.71
		1720 (132072)	18.65	17.63	16.64
	100RB (0)	1770 (132572)	18.72	17.69	16.69
		1745 (132322)	18.73	17.70	16.70
		1720 (132072)	18.64	17.63	16.64

LTE B66 ANT1 DSI3/6

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	22.35	21.44	20.53
		1745 (132322)	22.16	21.58	20.20
		1710.7 (131979)	22.26	21.19	20.42
	1RB-Middle (3)	1779.3 (132665)	22.20	21.40	20.33
		1745 (132322)	22.16	21.34	20.38
		1710.7 (131979)	22.10	21.59	20.28
	1RB-Low (0)	1779.3 (132665)	22.47	21.40	20.22
		1745 (132322)	22.64	21.51	20.55
		1710.7 (131979)	22.41	21.50	20.53
	3RB-High (3)	1779.3 (132665)	22.25	21.45	20.42
		1745 (132322)	22.16	21.49	20.22
		1710.7 (131979)	22.43	21.34	20.48
	3RB-Middle (1)	1779.3 (132665)	22.39	21.43	20.35
		1745 (132322)	21.98	21.36	20.26
		1710.7 (131979)	22.16	21.49	20.29
	3RB-Low (0)	1779.3 (132665)	22.51	21.35	20.08
		1745 (132322)	22.47	21.53	20.56
		1710.7 (131979)	22.52	21.58	20.50
	6RB (0)	1779.3 (132665)	21.33	20.14	19.11
		1745 (132322)	21.22	19.96	19.15
		1710.7 (131979)	21.43	20.37	19.02
3MHz	1RB-High (14)	1778.5 (132657)	22.22	21.50	20.48
		1745 (132322)	22.07	21.47	20.33
		1711.5 (131987)	22.25	21.16	20.36
	1RB-Middle (7)	1778.5 (132657)	22.37	21.32	20.45
		1745 (132322)	21.97	21.35	20.29
		1711.5 (131987)	22.13	21.57	20.19
	1RB-Low (0)	1778.5 (132657)	22.42	21.33	20.23
		1745 (132322)	22.45	21.36	20.59
		1711.5 (131987)	22.52	21.51	20.65
	8RB-High (7)	1778.5 (132657)	21.20	20.13	19.14

		1745 (132322)	20.96	20.28	19.34
		1711.5 (131987)	21.38	20.09	19.02
	8RB-Middle (4)	1778.5 (132657)	21.13	20.08	19.19
		1745 (132322)	21.17	20.42	19.15
		1711.5 (131987)	21.28	20.08	19.15
	8RB-Low (0)	1778.5 (132657)	20.96	20.14	19.06
		1745 (132322)	21.47	20.39	19.15
		1711.5 (131987)	21.25	20.27	19.13
	15RB (0)	1778.5 (132657)	21.23	20.17	19.16
		1745 (132322)	21.33	19.96	19.05
		1711.5 (131987)	21.44	20.38	19.13
5MHz	1RB-High (24)	1777.5 (132647)	22.26	21.59	20.43
		1745 (132322)	22.19	21.42	20.36
		1712.5 (131997)	22.27	21.29	20.36
	1RB-Middle (12)	1777.5 (132647)	22.29	21.34	20.50
		1745 (132322)	22.16	21.28	20.39
		1712.5 (131997)	22.16	21.55	20.30
	1RB-Low (0)	1777.5 (132647)	22.48	21.34	20.27
		1745 (132322)	22.62	21.37	20.62
		1712.5 (131997)	22.41	21.66	20.49
	12RB-High (13)	1777.5 (132647)	21.06	20.03	19.09
		1745 (132322)	20.96	20.25	19.37
		1712.5 (131997)	21.34	20.12	19.07
	12RB-Middle (6)	1777.5 (132647)	21.20	20.17	19.26
		1745 (132322)	21.28	20.30	19.17
		1712.5 (131997)	21.28	20.18	19.05
	12RB-Low (0)	1777.5 (132647)	20.93	20.26	19.15
		1745 (132322)	21.43	20.39	18.96
		1712.5 (131997)	21.40	20.25	19.21
	25RB (0)	1777.5 (132647)	21.32	20.29	19.22
		1745 (132322)	21.24	19.94	19.11
		1712.5 (131997)	21.40	20.41	19.02
10MHz	1RB-High (49)	1775 (132622)	22.30	21.52	20.51
		1745 (132322)	22.12	21.48	20.28
		1715 (132022)	22.25	21.28	20.44
	1RB-Middle (24)	1775 (132622)	22.27	21.27	20.38
		1745 (132322)	22.12	21.26	20.31
		1715 (132022)	22.03	21.61	20.26
	1RB-Low (0)	1775 (132622)	22.39	21.40	20.15
		1745 (132322)	22.50	21.50	20.45
		1715 (132022)	22.42	21.64	20.47

	25RB-High (25)	1775 (132622)	21.22	19.99	19.09
		1745 (132322)	21.01	20.23	19.19
		1715 (132022)	21.23	20.03	19.19
	25RB-Middle (12)	1775 (132622)	21.23	20.04	19.25
		1745 (132322)	21.14	20.31	19.17
		1715 (132022)	21.24	20.22	19.06
	25RB-Low (0)	1775 (132622)	20.98	20.27	19.05
		1745 (132322)	21.39	20.31	18.97
		1715 (132022)	21.42	20.36	19.25
	50RB (0)	1775 (132622)	21.37	20.16	19.16
		1745 (132322)	21.41	20.02	19.12
		1715 (132022)	21.38	20.45	19.19
15MHz	1RB-High (74)	1772.5 (132597)	22.39	21.42	20.42
		1745 (132322)	22.18	21.44	20.23
		1717.5 (132047)	22.41	21.19	20.44
	1RB-Middle (37)	1772.5 (132597)	22.24	21.44	20.41
		1745 (132322)	21.99	21.25	20.35
		1717.5 (132047)	22.09	21.52	20.29
	1RB-Low (0)	1772.5 (132597)	22.57	21.45	20.20
		1745 (132322)	22.59	21.53	20.49
		1717.5 (132047)	22.46	21.62	20.51
	36RB-High (38)	1772.5 (132597)	21.08	19.99	19.12
		1745 (132322)	20.91	20.34	19.33
		1717.5 (132047)	21.19	20.12	19.04
	36RB-Middle (19)	1772.5 (132597)	21.03	20.21	19.30
		1745 (132322)	21.09	20.25	19.14
		1717.5 (132047)	21.26	20.23	19.12
	36RB-Low (0)	1772.5 (132597)	21.11	20.15	19.13
		1745 (132322)	21.45	20.36	19.10
		1717.5 (132047)	21.29	20.28	19.18
	75RB (0)	1772.5 (132597)	21.30	20.26	19.14
		1745 (132322)	21.26	20.05	19.12
		1717.5 (132047)	21.27	20.26	19.09
20MHz	1RB-High (99)	1770 (132572)	22.29	21.51	20.49
		1745 (132322)	22.10	21.50	20.30
		1720 (132072)	22.35	21.25	20.44
	1RB-Middle (50)	1770 (132572)	22.30	21.37	20.41
		1745 (132322)	22.06	21.28	20.34
		1720 (132072)	22.13	21.52	20.22
	1RB-Low (0)	1770 (132572)	22.47	21.43	20.18
		1745 (132322)	22.54	21.45	20.55

		1720 (132072)	22.44	21.60	20.56
	50RB-High (50)	1770 (132572)	21.15	20.09	19.17
		1745 (132322)	20.99	20.32	19.28
		1720 (132072)	21.29	20.04	19.11
	50RB-Middle (25)	1770 (132572)	21.13	20.11	19.23
		1745 (132322)	21.18	20.33	19.22
		1720 (132072)	21.26	20.17	19.08
	50RB-Low (0)	1770 (132572)	21.03	20.19	19.08
		1745 (132322)	21.37	20.29	19.06
		1720 (132072)	21.35	20.31	19.21
	100RB (0)	1770 (132572)	21.29	20.22	19.15
		1745 (132322)	21.32	20.04	19.15
		1720 (132072)	21.35	20.36	19.11

LTE B66 ANT1 DSI8

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	16.95	16.23	14.94
		1745 (132322)	17.01	16.11	15.02
		1710.7 (131979)	16.96	16.01	14.90
	1RB-Middle (3)	1779.3 (132665)	17.02	16.26	15.22
		1745 (132322)	16.94	16.05	15.14
		1710.7 (131979)	16.78	16.00	15.08
	1RB-Low (0)	1779.3 (132665)	16.87	16.20	15.29
		1745 (132322)	17.10	16.37	15.15
		1710.7 (131979)	16.76	16.16	15.05
	3RB-High (3)	1779.3 (132665)	16.86	15.91	15.13
		1745 (132322)	16.80	15.77	14.97
		1710.7 (131979)	16.76	15.77	14.93
	3RB-Middle (1)	1779.3 (132665)	16.86	15.88	15.07
		1745 (132322)	16.88	15.89	14.99
		1710.7 (131979)	16.87	15.69	14.82
	3RB-Low (0)	1779.3 (132665)	16.95	15.78	14.95
		1745 (132322)	16.83	15.85	14.93
		1710.7 (131979)	16.75	15.75	15.02
	6RB (0)	1779.3 (132665)	15.78	14.98	13.98
		1745 (132322)	15.91	15.02	13.93
		1710.7 (131979)	15.77	14.97	13.89
3MHz	1RB-High (14)	1778.5 (132657)	17.05	16.06	15.04
		1745 (132322)	16.97	16.16	15.05
		1711.5 (131987)	16.90	16.10	15.08

	1RB-Middle (7)	1778.5 (132657)	17.10	16.14	15.15
		1745 (132322)	17.03	16.17	15.08
		1711.5 (131987)	16.91	16.19	15.11
	1RB-Low (0)	1778.5 (132657)	17.00	16.42	15.05
		1745 (132322)	16.92	16.14	15.05
		1711.5 (131987)	16.87	16.00	14.95
	8RB-High (7)	1778.5 (132657)	15.99	15.03	13.99
		1745 (132322)	15.97	15.05	14.09
		1711.5 (131987)	15.98	15.01	13.81
	8RB-Middle (4)	1778.5 (132657)	15.91	14.99	13.97
		1745 (132322)	15.96	15.03	13.97
		1711.5 (131987)	15.90	14.99	13.95
	8RB-Low (0)	1778.5 (132657)	15.95	14.90	13.92
		1745 (132322)	15.95	15.05	14.10
		1711.5 (131987)	15.90	14.90	13.93
	15RB (0)	1778.5 (132657)	15.81	14.92	13.87
		1745 (132322)	15.79	15.00	13.91
		1711.5 (131987)	15.79	14.88	13.88
5MHz	1RB-High (24)	1777.5 (132647)	17.09	16.17	15.13
		1745 (132322)	17.04	16.24	15.23
		1712.5 (131997)	16.89	16.19	14.95
	1RB-Middle (12)	1777.5 (132647)	17.05	16.31	15.11
		1745 (132322)	17.10	16.18	15.11
		1712.5 (131997)	16.92	16.10	15.16
	1RB-Low (0)	1777.5 (132647)	17.09	16.25	15.33
		1745 (132322)	16.89	16.29	15.06
		1712.5 (131997)	16.78	16.24	14.94
	12RB-High (13)	1777.5 (132647)	16.05	15.08	14.06
		1745 (132322)	15.95	14.95	13.96
		1712.5 (131997)	15.85	14.83	13.95
	12RB-Middle (6)	1777.5 (132647)	15.90	14.92	13.98
		1745 (132322)	16.04	15.05	13.99
		1712.5 (131997)	15.87	14.92	14.05
	12RB-Low (0)	1777.5 (132647)	16.07	15.06	14.14
		1745 (132322)	16.07	15.05	14.04
		1712.5 (131997)	15.93	14.86	13.99
	25RB (0)	1777.5 (132647)	15.99	14.95	13.95
		1745 (132322)	16.03	14.91	13.95
		1712.5 (131997)	15.92	14.88	13.89
10MHz	1RB-High (49)	1775 (132622)	17.08	16.31	15.11
		1745 (132322)	16.90	16.18	15.25

		1715 (132022)	17.08	16.26	15.24
	1RB-Middle (24)	1775 (132622)	17.05	16.35	15.15
		1745 (132322)	17.06	16.21	15.13
		1715 (132022)	16.88	16.04	15.11
	1RB-Low (0)	1775 (132622)	17.03	16.35	15.14
		1745 (132322)	16.98	16.47	15.16
		1715 (132022)	17.02	16.08	15.17
	25RB-High (25)	1775 (132622)	15.90	14.88	14.04
		1745 (132322)	15.95	15.02	14.09
		1715 (132022)	16.06	14.91	13.86
	25RB-Middle (12)	1775 (132622)	15.94	14.92	14.13
		1745 (132322)	16.02	14.88	13.99
		1715 (132022)	15.94	14.90	13.89
	25RB-Low (0)	1775 (132622)	16.00	15.09	14.09
		1745 (132322)	16.03	14.98	14.09
		1715 (132022)	16.02	14.94	14.04
	50RB (0)	1775 (132622)	15.95	15.01	13.92
		1745 (132322)	16.01	15.08	13.93
		1715 (132022)	15.88	14.95	13.93
15MHz	1RB-High (74)	1772.5 (132597)	16.92	16.31	15.01
		1745 (132322)	16.96	16.27	15.06
		1717.5 (132047)	16.97	16.20	15.22
	1RB-Middle (37)	1772.5 (132597)	16.95	16.33	15.10
		1745 (132322)	16.90	16.27	15.24
		1717.5 (132047)	16.95	16.34	14.98
	1RB-Low (0)	1772.5 (132597)	17.15	16.20	15.13
		1745 (132322)	16.94	16.36	15.27
		1717.5 (132047)	17.00	16.28	15.14
	36RB-High (38)	1772.5 (132597)	15.84	14.98	13.88
		1745 (132322)	15.99	15.02	14.02
		1717.5 (132047)	15.95	14.88	13.98
	36RB-Middle (19)	1772.5 (132597)	16.05	14.95	14.02
		1745 (132322)	15.84	14.88	13.92
		1717.5 (132047)	15.78	14.95	13.92
	36RB-Low (0)	1772.5 (132597)	16.02	14.94	13.92
		1745 (132322)	15.97	14.93	13.97
		1717.5 (132047)	15.90	14.85	13.87
	75RB (0)	1772.5 (132597)	16.01	14.99	14.01
		1745 (132322)	15.98	15.07	14.01
		1717.5 (132047)	16.00	15.00	13.99
20MHz	1RB-High (99)	1770 (132572)	17.11	16.26	15.27

		1745 (132322)	17.14	16.26	15.25
		1720 (132072)	16.91	16.54	15.17
	1RB-Middle (50)	1770 (132572)	17.08	16.39	15.13
		1745 (132322)	17.03	16.18	15.19
		1720 (132072)	16.92	16.15	15.09
	1RB-Low (0)	1770 (132572)	17.05	16.27	15.27
		1745 (132322)	16.94	16.37	15.20
		1720 (132072)	17.02	16.23	15.16
	50RB-High (50)	1770 (132572)	15.99	14.99	14.03
		1745 (132322)	16.04	15.04	14.07
		1720 (132072)	15.93	14.99	14.03
	50RB-Middle (25)	1770 (132572)	16.00	14.96	14.12
		1745 (132322)	16.00	15.01	14.08
		1720 (132072)	16.05	14.91	13.99
	50RB-Low (0)	1770 (132572)	16.11	15.14	13.96
		1745 (132322)	16.17	14.91	14.00
		1720 (132072)	15.96	14.91	14.02
	100RB (0)	1770 (132572)	16.12	15.04	14.06
		1745 (132322)	16.04	14.91	14.01
		1720 (132072)	15.85	14.99	13.88

LTE B66 ANT1 DSI9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	19.10	18.35	17.23
		1745 (132322)	19.11	18.32	17.26
		1710.7 (131979)	18.98	18.18	17.19
	1RB-Middle (3)	1779.3 (132665)	19.12	18.46	17.33
		1745 (132322)	19.10	18.24	17.32
		1710.7 (131979)	18.99	18.27	17.21
	1RB-Low (0)	1779.3 (132665)	19.08	18.36	17.35
		1745 (132322)	19.16	18.49	17.36
		1710.7 (131979)	19.02	18.23	17.10
	3RB-High (3)	1779.3 (132665)	19.09	18.05	17.14
		1745 (132322)	19.01	18.08	17.24
		1710.7 (131979)	19.06	17.89	17.06
	3RB-Middle (1)	1779.3 (132665)	18.99	18.03	17.23
		1745 (132322)	19.13	17.99	17.16
		1710.7 (131979)	19.00	18.02	17.06
	3RB-Low (0)	1779.3 (132665)	19.02	18.09	17.24
		1745 (132322)	19.08	18.15	17.20

		1710.7 (131979)	18.92	17.91	17.22
	6RB (0)	1779.3 (132665)	18.05	17.20	16.06
		1745 (132322)	18.03	17.14	16.05
		1710.7 (131979)	18.04	17.03	15.94
3MHz	1RB-High (14)	1778.5 (132657)	19.06	18.34	17.27
		1745 (132322)	19.19	18.32	17.31
		1711.5 (131987)	19.07	18.29	17.26
	1RB-Middle (7)	1778.5 (132657)	19.12	18.22	17.36
		1745 (132322)	19.20	18.35	17.31
		1711.5 (131987)	18.97	18.35	17.24
	1RB-Low (0)	1778.5 (132657)	19.21	18.56	17.35
		1745 (132322)	19.07	18.34	17.23
		1711.5 (131987)	19.10	18.23	17.17
	8RB-High (7)	1778.5 (132657)	18.10	17.19	16.16
		1745 (132322)	18.11	17.26	16.15
		1711.5 (131987)	18.10	17.02	16.09
	8RB-Middle (4)	1778.5 (132657)	18.06	17.13	16.09
		1745 (132322)	18.14	17.17	16.16
		1711.5 (131987)	18.01	17.16	16.00
	8RB-Low (0)	1778.5 (132657)	18.17	17.22	16.21
		1745 (132322)	18.04	17.14	16.12
		1711.5 (131987)	18.06	17.14	16.17
	15RB (0)	1778.5 (132657)	18.16	17.05	16.14
		1745 (132322)	18.08	17.10	15.99
		1711.5 (131987)	17.97	17.07	16.01
5MHz	1RB-High (24)	1777.5 (132647)	19.23	18.39	17.29
		1745 (132322)	19.20	18.35	17.38
		1712.5 (131997)	18.97	18.22	17.23
	1RB-Middle (12)	1777.5 (132647)	19.21	18.41	17.43
		1745 (132322)	19.15	18.40	17.31
		1712.5 (131997)	19.06	18.35	17.30
	1RB-Low (0)	1777.5 (132647)	19.15	18.47	17.52
		1745 (132322)	19.12	18.53	17.27
		1712.5 (131997)	19.10	18.46	17.18
	12RB-High (13)	1777.5 (132647)	18.19	17.25	16.14
		1745 (132322)	18.14	17.17	16.14
		1712.5 (131997)	18.03	17.09	16.08
	12RB-Middle (6)	1777.5 (132647)	18.11	17.16	16.21
		1745 (132322)	18.16	17.11	16.23
		1712.5 (131997)	18.06	17.04	16.24
	12RB-Low (0)	1777.5 (132647)	18.08	17.16	16.23

		1745 (132322)	18.23	17.13	16.17
		1712.5 (131997)	18.10	17.12	16.16
	25RB (0)	1777.5 (132647)	18.08	17.09	16.15
		1745 (132322)	18.17	17.13	16.18
		1712.5 (131997)	18.12	17.07	16.07
10MHz	1RB-High (49)	1775 (132622)	19.20	18.58	17.38
		1745 (132322)	19.20	18.31	17.40
		1715 (132022)	19.15	18.42	17.32
	1RB-Middle (24)	1775 (132622)	19.09	18.54	17.44
		1745 (132322)	19.16	18.40	17.30
		1715 (132022)	19.06	18.29	17.30
	1RB-Low (0)	1775 (132622)	19.15	18.54	17.44
		1745 (132322)	19.20	18.70	17.33
		1715 (132022)	19.16	18.34	17.22
	25RB-High (25)	1775 (132622)	18.10	17.22	16.20
		1745 (132322)	18.24	17.24	16.26
		1715 (132022)	18.10	17.10	16.09
	25RB-Middle (12)	1775 (132622)	18.17	17.18	16.24
		1745 (132322)	18.19	17.19	16.18
		1715 (132022)	18.16	17.04	16.13
	25RB-Low (0)	1775 (132622)	18.26	17.19	16.21
		1745 (132322)	18.26	17.11	16.09
		1715 (132022)	18.07	17.07	16.07
	50RB (0)	1775 (132622)	18.17	17.16	16.17
		1745 (132322)	18.16	17.24	16.24
		1715 (132022)	18.19	17.16	16.15
15MHz	1RB-High (74)	1772.5 (132597)	19.15	18.51	17.31
		1745 (132322)	19.21	18.37	17.31
		1717.5 (132047)	19.10	18.37	17.22
	1RB-Middle (37)	1772.5 (132597)	19.15	18.56	17.35
		1745 (132322)	19.25	18.37	17.33
		1717.5 (132047)	19.08	18.42	17.20
	1RB-Low (0)	1772.5 (132597)	19.29	18.54	17.35
		1745 (132322)	19.22	18.55	17.30
		1717.5 (132047)	19.04	18.41	17.31
	36RB-High (38)	1772.5 (132597)	18.12	17.19	16.21
		1745 (132322)	18.17	17.18	16.17
		1717.5 (132047)	18.16	17.13	16.23
	36RB-Middle (19)	1772.5 (132597)	18.05	17.11	16.21
		1745 (132322)	18.14	17.16	16.13
		1717.5 (132047)	18.09	17.13	16.08

	36RB-Low (0)	1772.5 (132597)	18.12	17.13	16.26
		1745 (132322)	18.14	17.14	16.24
		1717.5 (132047)	18.10	17.04	16.12
	75RB (0)	1772.5 (132597)	18.17	17.20	16.14
		1745 (132322)	18.20	17.22	16.16
		1717.5 (132047)	18.06	17.09	16.03
20MHz	1RB-High (99)	1770 (132572)	19.18	18.41	17.49
		1745 (132322)	19.19	18.50	17.37
		1720 (132072)	19.18	18.66	17.47
	1RB-Middle (50)	1770 (132572)	19.15	18.46	17.42
		1745 (132322)	19.16	18.39	17.40
		1720 (132072)	19.11	18.36	17.24
	1RB-Low (0)	1770 (132572)	19.12	18.47	17.35
		1745 (132322)	19.15	18.68	17.45
		1720 (132072)	19.15	18.42	17.22
	50RB-High (50)	1770 (132572)	18.13	17.13	16.25
		1745 (132322)	18.14	17.10	16.25
		1720 (132072)	18.15	17.07	16.23
	50RB-Middle (25)	1770 (132572)	18.15	17.20	16.15
		1745 (132322)	18.12	17.19	16.16
		1720 (132072)	18.10	17.06	16.17
	50RB-Low (0)	1770 (132572)	18.15	17.25	16.21
		1745 (132322)	18.17	17.24	16.23
		1720 (132072)	18.13	17.06	16.13
	100RB (0)	1770 (132572)	18.18	17.09	16.10
		1745 (132322)	18.21	17.21	16.24
		1720 (132072)	18.04	17.06	16.04

LTE B66 ANT5 DSI7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	17.05	16.17	15.23
		1745 (132322)	16.98	16.20	15.16
		1710.7 (131979)	17.20	16.30	15.13
	1RB-Middle (3)	1779.3 (132665)	16.96	16.21	15.23
		1745 (132322)	16.94	16.17	15.28
		1710.7 (131979)	17.03	16.37	15.15
	1RB-Low (0)	1779.3 (132665)	17.27	16.11	15.11
		1745 (132322)	17.08	16.16	15.26
		1710.7 (131979)	17.19	16.26	15.23
	3RB-High (3)	1779.3 (132665)	17.03	16.25	15.27

		1745 (132322)	16.88	16.27	15.23
		1710.7 (131979)	17.15	16.22	15.14
	3RB-Middle (1)	1779.3 (132665)	16.91	16.35	15.30
		1745 (132322)	17.08	16.24	15.16
		1710.7 (131979)	16.94	16.32	15.19
	3RB-Low (0)	1779.3 (132665)	17.13	16.16	15.29
		1745 (132322)	17.28	16.24	15.32
		1710.7 (131979)	17.18	16.31	15.32
	6RB (0)	1779.3 (132665)	16.10	15.12	14.10
		1745 (132322)	16.06	15.02	14.00
		1710.7 (131979)	16.09	15.05	14.03
3MHz	1RB-High (14)	1778.5 (132657)	17.20	16.14	15.30
		1745 (132322)	16.90	16.31	15.33
		1711.5 (131987)	17.25	16.24	15.23
	1RB-Middle (7)	1778.5 (132657)	17.02	16.26	15.36
		1745 (132322)	16.99	16.29	15.25
		1711.5 (131987)	16.91	16.28	15.11
	1RB-Low (0)	1778.5 (132657)	17.31	16.21	15.28
		1745 (132322)	17.15	16.29	15.33
		1711.5 (131987)	17.26	16.16	15.27
	8RB-High (7)	1778.5 (132657)	16.02	15.12	14.08
		1745 (132322)	16.13	14.95	13.98
		1711.5 (131987)	16.11	14.98	14.21
	8RB-Middle (4)	1778.5 (132657)	16.02	15.04	14.12
		1745 (132322)	16.09	15.09	14.10
		1711.5 (131987)	15.99	15.08	14.08
	8RB-Low (0)	1778.5 (132657)	16.07	15.16	14.01
		1745 (132322)	16.12	15.10	14.01
		1711.5 (131987)	16.20	15.11	14.07
	15RB (0)	1778.5 (132657)	16.21	15.08	13.97
		1745 (132322)	16.08	14.96	14.01
		1711.5 (131987)	16.05	15.13	14.05
5MHz	1RB-High (24)	1777.5 (132647)	17.09	16.26	15.33
		1745 (132322)	16.98	16.31	15.34
		1712.5 (131997)	17.26	16.22	15.13
	1RB-Middle (12)	1777.5 (132647)	16.94	16.37	15.34
		1745 (132322)	17.12	16.26	15.18
		1712.5 (131997)	17.04	16.29	15.25
	1RB-Low (0)	1777.5 (132647)	17.22	16.14	15.16
		1745 (132322)	17.18	16.20	15.19
		1712.5 (131997)	17.26	16.20	15.29

	12RB-High (13)	1777.5 (132647)	16.06	15.14	14.10
		1745 (132322)	16.02	15.11	14.12
		1712.5 (131997)	16.25	15.02	14.18
	12RB-Middle (6)	1777.5 (132647)	16.06	15.12	14.03
		1745 (132322)	16.03	15.05	14.13
		1712.5 (131997)	15.99	15.16	14.21
	12RB-Low (0)	1777.5 (132647)	16.00	14.97	14.14
		1745 (132322)	16.16	15.08	14.13
		1712.5 (131997)	16.20	15.14	14.12
	25RB (0)	1777.5 (132647)	16.15	14.97	14.05
		1745 (132322)	16.16	15.09	14.08
		1712.5 (131997)	15.97	15.06	13.95
10MHz	1RB-High (49)	1775 (132622)	17.10	16.29	15.23
		1745 (132322)	16.88	16.22	15.17
		1715 (132022)	17.18	16.26	15.30
	1RB-Middle (24)	1775 (132622)	16.91	16.27	15.36
		1745 (132322)	17.11	16.14	15.32
		1715 (132022)	16.90	16.17	15.20
	1RB-Low (0)	1775 (132622)	17.21	16.09	15.19
		1745 (132322)	17.11	16.31	15.28
		1715 (132022)	17.20	16.27	15.30
	25RB-High (25)	1775 (132622)	16.13	15.10	14.23
		1745 (132322)	16.04	14.96	14.01
		1715 (132022)	16.08	15.15	14.08
	25RB-Middle (12)	1775 (132622)	16.14	15.00	14.01
		1745 (132322)	16.00	15.07	14.00
		1715 (132022)	16.06	15.12	14.08
	25RB-Low (0)	1775 (132622)	16.03	14.98	14.14
		1745 (132322)	16.12	15.10	14.03
		1715 (132022)	16.00	14.97	14.04
	50RB (0)	1775 (132622)	16.04	15.14	14.08
		1745 (132322)	16.09	14.95	13.99
		1715 (132022)	16.12	15.11	14.07
15MHz	1RB-High (74)	1772.5 (132597)	17.13	16.14	15.18
		1745 (132322)	16.90	16.32	15.31
		1717.5 (132047)	17.20	16.19	15.29
	1RB-Middle (37)	1772.5 (132597)	16.99	16.20	15.18
		1745 (132322)	17.00	16.24	15.31
		1717.5 (132047)	16.91	16.18	15.26
	1RB-Low (0)	1772.5 (132597)	17.24	16.21	15.24
		1745 (132322)	17.12	16.28	15.20

		1717.5 (132047)	17.22	16.33	15.33
	36RB-High (38)	1772.5 (132597)	16.07	15.08	14.08
		1745 (132322)	16.04	15.03	14.07
		1717.5 (132047)	16.09	15.14	14.09
	36RB-Middle (19)	1772.5 (132597)	16.05	15.15	14.05
		1745 (132322)	16.05	15.05	14.13
		1717.5 (132047)	16.10	15.15	14.18
	36RB-Low (0)	1772.5 (132597)	16.07	15.12	14.01
		1745 (132322)	16.02	15.17	14.07
		1717.5 (132047)	16.04	15.10	14.10
	75RB (0)	1772.5 (132597)	16.11	15.02	14.07
		1745 (132322)	16.01	15.02	14.06
		1717.5 (132047)	15.99	15.11	14.14
20MHz	1RB-High (99)	1770 (132572)	17.12	16.21	15.26
		1745 (132322)	16.96	16.29	15.26
		1720 (132072)	17.21	16.21	15.21
	1RB-Middle (50)	1770 (132572)	16.98	16.27	15.26
		1745 (132322)	17.04	16.23	15.24
		1720 (132072)	16.99	16.27	15.20
	1RB-Low (0)	1770 (132572)	17.22	16.16	15.19
		1745 (132322)	17.18	16.22	15.27
		1720 (132072)	17.25	16.23	15.24
	50RB-High (50)	1770 (132572)	16.12	15.10	14.13
		1745 (132322)	16.05	15.04	14.03
		1720 (132072)	16.15	15.07	14.11
	50RB-Middle (25)	1770 (132572)	16.09	15.07	14.06
		1745 (132322)	16.10	15.06	14.08
		1720 (132072)	16.09	15.07	14.12
	50RB-Low (0)	1770 (132572)	16.09	15.07	14.09
		1745 (132322)	16.09	15.07	14.10
		1720 (132072)	16.10	15.07	14.10
	100RB (0)	1770 (132572)	16.12	15.05	14.06
		1745 (132322)	16.10	15.02	14.04
		1720 (132072)	16.07	15.05	14.04

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BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	22.70	21.91	20.86
		1745 (132322)	22.60	21.97	20.81
		1710.7 (131979)	22.75	21.79	20.69

	1RB-Middle (3)	1779.3 (132665)	22.69	21.74	20.99
		1745 (132322)	22.72	21.74	20.72
		1710.7 (131979)	22.87	21.79	20.64
	1RB-Low (0)	1779.3 (132665)	22.62	21.62	20.77
		1745 (132322)	22.65	21.92	20.70
		1710.7 (131979)	22.86	22.04	20.88
	3RB-High (3)	1779.3 (132665)	22.70	21.91	20.82
		1745 (132322)	22.79	21.76	20.77
		1710.7 (131979)	22.60	21.89	20.83
	3RB-Middle (1)	1779.3 (132665)	22.73	21.83	20.72
		1745 (132322)	22.57	21.57	20.90
		1710.7 (131979)	22.63	21.91	20.81
	3RB-Low (0)	1779.3 (132665)	22.62	21.63	20.72
		1745 (132322)	22.52	21.70	20.77
		1710.7 (131979)	22.92	21.95	20.90
	6RB (0)	1779.3 (132665)	21.55	20.59	19.65
		1745 (132322)	21.70	20.46	19.57
		1710.7 (131979)	21.59	20.67	19.62
3MHz	1RB-High (14)	1778.5 (132657)	22.83	21.90	20.67
		1745 (132322)	22.70	21.81	20.76
		1711.5 (131987)	22.63	21.99	20.92
	1RB-Middle (7)	1778.5 (132657)	22.70	21.91	20.70
		1745 (132322)	22.69	21.80	20.84
		1711.5 (131987)	22.85	21.74	20.63
	1RB-Low (0)	1778.5 (132657)	22.47	21.76	20.76
		1745 (132322)	22.49	21.80	20.84
		1711.5 (131987)	22.97	22.00	20.99
	8RB-High (7)	1778.5 (132657)	21.71	20.64	19.75
		1745 (132322)	21.55	20.52	19.57
		1711.5 (131987)	21.66	20.65	19.61
	8RB-Middle (4)	1778.5 (132657)	21.60	20.63	19.75
		1745 (132322)	21.45	20.58	19.64
		1711.5 (131987)	21.73	20.66	19.69
	8RB-Low (0)	1778.5 (132657)	21.67	20.63	19.63
		1745 (132322)	21.55	20.67	19.73
		1711.5 (131987)	21.61	20.54	19.56
	15RB (0)	1778.5 (132657)	21.59	20.57	19.66
		1745 (132322)	21.62	20.75	19.49
		1711.5 (131987)	21.71	20.73	19.55
5MHz	1RB-High (24)	1777.5 (132647)	22.64	21.78	20.79
		1745 (132322)	22.81	22.00	20.81

		1712.5 (131997)	22.72	21.96	20.93
	1RB-Middle (12)	1777.5 (132647)	22.65	21.77	20.65
		1745 (132322)	22.75	21.79	20.87
		1712.5 (131997)	22.68	21.67	20.74
	1RB-Low (0)	1777.5 (132647)	22.52	21.67	20.66
		1745 (132322)	22.75	21.82	20.75
		1712.5 (131997)	22.99	22.01	20.96
	12RB-High (13)	1777.5 (132647)	21.55	20.74	19.71
		1745 (132322)	21.47	20.52	19.57
		1712.5 (131997)	21.70	20.74	19.61
	12RB-Middle (6)	1777.5 (132647)	21.64	20.56	19.65
		1745 (132322)	21.77	20.73	19.68
		1712.5 (131997)	21.59	20.65	19.54
	12RB-Low (0)	1777.5 (132647)	21.60	20.64	19.48
		1745 (132322)	21.52	20.61	19.55
		1712.5 (131997)	21.67	20.56	19.81
	25RB (0)	1777.5 (132647)	21.64	20.62	19.60
		1745 (132322)	21.60	20.74	19.70
		1712.5 (131997)	21.54	20.55	19.83
10MHz	1RB-High (49)	1775 (132622)	22.73	21.98	20.77
		1745 (132322)	22.76	21.76	20.72
		1715 (132022)	22.50	21.68	20.68
	1RB-Middle (24)	1775 (132622)	22.57	21.97	20.90
		1745 (132322)	22.70	21.82	20.88
		1715 (132022)	22.81	21.70	20.71
	1RB-Low (0)	1775 (132622)	22.56	21.85	20.78
		1745 (132322)	22.61	21.71	20.65
		1715 (132022)	22.88	21.94	20.86
	25RB-High (25)	1775 (132622)	21.73	20.70	19.71
		1745 (132322)	21.64	20.65	19.79
		1715 (132022)	21.74	20.70	19.61
	25RB-Middle (12)	1775 (132622)	21.60	20.66	19.72
		1745 (132322)	21.49	20.46	19.56
		1715 (132022)	21.77	20.54	19.73
	25RB-Low (0)	1775 (132622)	21.44	20.60	19.59
		1745 (132322)	21.55	20.49	19.69
		1715 (132022)	21.66	20.56	19.62
	50RB (0)	1775 (132622)	21.65	20.57	19.65
		1745 (132322)	21.65	20.59	19.58
		1715 (132022)	21.74	20.61	19.67
15MHz	1RB-High (74)	1772.5 (132597)	22.74	21.87	20.88

		1745 (132322)	22.63	21.95	20.65
		1717.5 (132047)	22.53	21.79	20.80
	1RB-Middle (37)	1772.5 (132597)	22.71	21.93	20.79
		1745 (132322)	22.76	21.83	20.75
		1717.5 (132047)	22.77	21.81	20.63
	1RB-Low (0)	1772.5 (132597)	22.55	21.75	20.89
		1745 (132322)	22.56	21.85	20.83
		1717.5 (132047)	22.87	22.07	20.93
	36RB-High (38)	1772.5 (132597)	21.60	20.52	19.60
		1745 (132322)	21.48	20.70	19.61
		1717.5 (132047)	21.67	20.59	19.52
	36RB-Middle (19)	1772.5 (132597)	21.65	20.71	19.69
		1745 (132322)	21.64	20.59	19.60
		1717.5 (132047)	21.66	20.48	19.72
	36RB-Low (0)	1772.5 (132597)	21.59	20.59	19.65
		1745 (132322)	21.54	20.59	19.61
		1717.5 (132047)	21.80	20.56	19.76
	75RB (0)	1772.5 (132597)	21.81	20.53	19.70
		1745 (132322)	21.71	20.63	19.64
		1717.5 (132047)	21.78	20.62	19.55
20MHz	1RB-High (99)	1770 (132572)	22.82	21.92	20.85
		1745 (132322)	22.81	22.09	20.93
		1720 (132072)	22.68	21.98	21.00
	1RB-Middle (50)	1770 (132572)	22.77	21.94	20.91
		1745 (132322)	22.77	21.96	20.98
		1720 (132072)	22.85	21.79	20.75
	1RB-Low (0)	1770 (132572)	22.65	21.88	20.76
		1745 (132322)	22.65	21.91	20.89
		1720 (132072)	22.84	21.97	20.91
	50RB-High (50)	1770 (132572)	21.73	20.82	19.84
		1745 (132322)	21.75	20.68	19.77
		1720 (132072)	21.86	20.77	19.66
	50RB-Middle (25)	1770 (132572)	21.76	20.70	19.71
		1745 (132322)	21.69	20.79	19.74
		1720 (132072)	21.76	20.76	19.77
	50RB-Low (0)	1770 (132572)	21.63	20.61	19.65
		1745 (132322)	21.62	20.63	19.69
		1720 (132072)	21.73	20.74	19.79
	100RB (0)	1770 (132572)	21.66	20.66	19.70
		1745 (132322)	21.66	20.79	19.56
		1720 (132072)	21.75	20.66	19.67

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BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	23.94	23.20	22.06
		1745 (132322)	23.94	23.27	22.09
		1710.7 (131979)	23.95	23.15	22.07
	1RB-Middle (3)	1779.3 (132665)	23.97	23.10	22.19
		1745 (132322)	24.04	23.06	22.06
		1710.7 (131979)	24.08	23.13	21.97
	1RB-Low (0)	1779.3 (132665)	23.82	22.97	22.05
		1745 (132322)	23.94	23.19	22.04
		1710.7 (131979)	24.24	23.31	22.24
	3RB-High (3)	1779.3 (132665)	24.00	23.24	22.05
		1745 (132322)	24.08	23.11	22.09
		1710.7 (131979)	23.90	23.22	22.17
	3RB-Middle (1)	1779.3 (132665)	24.03	23.16	22.10
		1745 (132322)	23.88	22.97	22.14
		1710.7 (131979)	24.02	23.14	22.10
	3RB-Low (0)	1779.3 (132665)	23.93	22.96	22.10
		1745 (132322)	23.81	23.07	22.08
		1710.7 (131979)	24.19	23.28	22.15
	6RB (0)	1779.3 (132665)	22.95	21.95	20.89
		1745 (132322)	22.95	21.86	20.78
		1710.7 (131979)	22.99	21.92	21.02
3MHz	1RB-High (14)	1778.5 (132657)	24.04	23.23	22.05
		1745 (132322)	23.94	23.21	22.01
		1711.5 (131987)	23.95	23.21	22.17
	1RB-Middle (7)	1778.5 (132657)	23.96	23.12	22.07
		1745 (132322)	24.03	23.15	22.10
		1711.5 (131987)	24.07	23.10	21.95
	1RB-Low (0)	1778.5 (132657)	23.87	23.02	22.14
		1745 (132322)	23.88	23.11	22.09
		1711.5 (131987)	24.17	23.21	22.23
	8RB-High (7)	1778.5 (132657)	22.95	21.87	20.96
		1745 (132322)	22.84	21.92	20.97
		1711.5 (131987)	22.87	21.96	20.97
	8RB-Middle (4)	1778.5 (132657)	23.00	21.99	20.99
		1745 (132322)	22.85	21.98	21.01
		1711.5 (131987)	22.95	21.94	20.92
	8RB-Low (0)	1778.5 (132657)	22.96	21.98	20.85
		1745 (132322)	22.95	21.94	20.97

		1711.5 (131987)	22.91	21.89	20.94
	15RB (0)	1778.5 (132657)	22.94	21.91	20.91
		1745 (132322)	22.85	21.97	20.83
		1711.5 (131987)	23.02	22.01	20.84
5MHz	1RB-High (24)	1777.5 (132647)	23.90	23.12	22.06
		1745 (132322)	24.07	23.22	22.03
		1712.5 (131997)	23.92	23.17	22.19
	1RB-Middle (12)	1777.5 (132647)	23.89	23.11	22.04
		1745 (132322)	24.02	22.99	22.08
		1712.5 (131997)	23.98	22.94	22.12
	1RB-Low (0)	1777.5 (132647)	23.85	22.93	21.95
		1745 (132322)	24.00	23.04	22.12
		1712.5 (131997)	24.30	23.37	22.31
	12RB-High (13)	1777.5 (132647)	22.91	21.99	20.96
		1745 (132322)	22.82	21.87	20.94
		1712.5 (131997)	23.01	22.04	20.88
	12RB-Middle (6)	1777.5 (132647)	22.84	21.90	20.94
		1745 (132322)	23.02	21.95	21.00
		1712.5 (131997)	22.99	21.90	20.94
	12RB-Low (0)	1777.5 (132647)	22.83	21.98	20.81
		1745 (132322)	22.83	22.00	20.86
		1712.5 (131997)	22.91	21.96	21.07
	25RB (0)	1777.5 (132647)	22.91	21.97	20.83
		1745 (132322)	23.00	21.97	20.91
		1712.5 (131997)	22.91	21.91	21.03
10MHz	1RB-High (49)	1775 (132622)	23.98	23.21	22.13
		1745 (132322)	24.07	23.11	22.07
		1715 (132022)	23.86	23.03	22.01
	1RB-Middle (24)	1775 (132622)	23.96	23.17	22.11
		1745 (132322)	23.97	23.02	22.18
		1715 (132022)	24.06	23.02	22.04
	1RB-Low (0)	1775 (132622)	23.78	23.11	22.11
		1745 (132322)	23.99	23.04	22.03
		1715 (132022)	24.17	23.26	22.26
	25RB-High (25)	1775 (132622)	23.02	21.95	21.01
		1745 (132322)	22.90	21.99	21.00
		1715 (132022)	23.00	21.97	20.94
	25RB-Middle (12)	1775 (132622)	22.92	21.96	20.92
		1745 (132322)	22.87	21.86	20.95
		1715 (132022)	23.04	21.93	20.99
	25RB-Low (0)	1775 (132622)	22.84	21.92	20.99

		1745 (132322)	22.89	21.83	20.92
		1715 (132022)	22.99	21.85	20.89
	50RB (0)	1775 (132622)	22.85	21.92	20.91
		1745 (132322)	22.85	21.94	20.82
		1715 (132022)	23.00	21.90	20.94
15MHz	1RB-High (74)	1772.5 (132597)	23.97	23.07	22.12
		1745 (132322)	24.01	23.27	22.05
		1717.5 (132047)	23.85	23.04	22.00
	1RB-Middle (37)	1772.5 (132597)	23.92	23.27	22.14
		1745 (132322)	23.98	23.05	22.09
		1717.5 (132047)	24.11	23.05	22.03
	1RB-Low (0)	1772.5 (132597)	23.90	22.99	22.10
		1745 (132322)	23.82	23.08	22.06
		1717.5 (132047)	24.27	23.27	22.23
	36RB-High (38)	1772.5 (132597)	23.00	21.91	20.94
		1745 (132322)	22.84	22.00	20.96
		1717.5 (132047)	23.00	21.98	20.89
	36RB-Middle (19)	1772.5 (132597)	22.90	21.96	20.98
		1745 (132322)	23.02	21.83	20.95
		1717.5 (132047)	22.96	21.86	21.02
	36RB-Low (0)	1772.5 (132597)	22.90	21.85	20.90
		1745 (132322)	22.92	21.88	20.95
		1717.5 (132047)	23.08	21.95	21.03
	75RB (0)	1772.5 (132597)	23.05	21.84	20.98
		1745 (132322)	22.93	21.86	20.92
		1717.5 (132047)	23.02	21.96	20.86
20MHz	1RB-High (99)	1770 (132572)	24.10	23.25	22.15
		1745 (132322)	24.09	23.29	22.21
		1720 (132072)	23.96	23.22	22.20
	1RB-Middle (50)	1770 (132572)	24.06	23.28	22.19
		1745 (132322)	24.06	23.16	22.19
		1720 (132072)	24.18	23.14	22.13
	1RB-Low (0)	1770 (132572)	23.98	23.13	22.14
		1745 (132322)	24.00	23.19	22.20
		1720 (132072)	24.31	23.37	22.31
	50RB-High (50)	1770 (132572)	23.05	22.04	21.06
		1745 (132322)	23.02	22.02	21.01
		1720 (132072)	23.06	22.08	21.06
	50RB-Middle (25)	1770 (132572)	23.01	22.02	21.02
		1745 (132322)	23.03	22.02	21.05
		1720 (132072)	23.08	22.06	21.08

	50RB-Low (0)	1770 (132572)	23.01	22.00	21.01
		1745 (132322)	23.02	22.01	21.04
		1720 (132072)	23.09	22.05	21.09
	100RB (0)	1770 (132572)	23.05	22.04	21.02
		1745 (132322)	23.03	22.00	20.96
		1720 (132072)	23.05	22.04	21.04

SAR test is not required since maximum output power when downlink carrier aggregation active is not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

The conducted power measurement results of LTE downlink CA are as below：

	PCC								SCC			Power		
DL LTE CA Class	PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTETx Power (dBm)	Rel 10 DL LTE CA Tx Power(dBm)	Tune-up
2A-5A	2	20	1	50	100	0	18900	900	5	10	2525	24.13	23.94	24.5
2A-5A	5	10	1	0	50	0	20450	2450	2	20	900	24.31	24.27	24.5
2A-12A	2	20	1	50	100	0	18900	900	12	10	5095	24.13	23.94	24.5
2A-12A	12	10	1	0	50	0	23095	5095	2	20	900	23.55	23.36	24
2A-14A	2	20	1	50	100	0	18900	900	14	10	5330	24.13	24.13	24.5
2A-14A	14	20	1	24	50	0	23330	5330	2	20	900	24.26	24.06	25
2A-29A	2	20	1	50	100	0	18900	900	29	10	9715	24.13	23.98	24.5
2A-30A	2	20	1	50	100	0	18900	900	30	10	9820	24.13	24.06	24.5
2A-30A	30	10	1	24	50	0	27710	9820	2	20	900	23.17	23.12	24
2A-66A	2	20	1	50	100	0	18900	900	66	20	66786	24.13	24.09	24.5
2A-66A	66	20	1	0	100	0	132322	66786	2	20	900	24.13	23.93	24.5
5A-30A	5	10	1	0	50	0	20450	2450	30	10	9820	24.31	24.2	24.5
5A-30A	30	10	1	24	50	0	27710	9820	5	10	2525	23.17	22.98	24
5A-66A	5	10	1	0	50	0	20450	2450	66	20	66786	24.31	24.13	24.5
5A-66A	66	20	1	0	100	0	132322	66786	5	10	2525	24.13	23.94	24.5
12A-30A	12	10	1	0	50	0	23095	5095	30	10	9820	23.55	23.39	24
12A-30A	30	10	1	24	50	0	27710	9820	12	10	5095	23.17	22.99	24
12A-66A	12	10	1	0	50	0	23095	5095	66	20	66786	23.55	23.47	24
12A-66A	66	20	1	0	100	0	132322	66786	12	10	5095	24.13	23.94	24.5
14A-30A	14	20	1	24	50	0	23330	5330	30	10	9820	24.26	24.06	25
14A-30A	30	10	1	24	50	0	27710	9820	14	10	5330	23.17	23.01	24
14A-66A	14	20	1	24	50	0	23330	5330	66	20	66786	24.26	24.1	25
14A-66A	66	20	1	0	100	0	132322	66786	14	10	5330	24.13	24	24.5
29A-30A	30	10	1	0	50	0	27710	9820	29	10	9715	23.17	22.98	24
29A-66A	66	20	1	0	100	0	132322	66786	29	10	9715	24.13	23.93	24.5
30A-66A	30	10	1	24	50	0	27710	9820	66	20	66786	23.17	23.14	24
30A-66A	66	20	1	0	100	0	132322	66786	30	10	9820	24.13	24.07	24.5
66A-66A	66	20	1	99	100	0	132572	67036	66	20	66786	24.1	24.09	24.5
66B	66	10	1	49	50	0	132622	67086	66	10	67185	24.17	24.16	24.5
66C	66	20	1	50	100	0	132323	66787	66	20	66985	24.06	23.98	24.5

Note: Testing is not required in bands or modes not intended/allowed for US operation.

11.3 Wi-Fi and BT Measurement result

The maximum output power of BT antenna is 10.1dBm.
The maximum tune up of BT antenna is 11dBm.

Standalone			WIFI+WWAN		
Hotspot off/on+Receiver on	Hotspot on+Receiver off	Hotspot off+Receiver off	Hotspot off/on+Receiver on	Hotspot on+Receiver off	Hotspot off+Receiver off
DSI1	DSI2	DSI3	DSI4	DSI5	DSI6

Wi-Fi 2.4G –DSI1

802.11b		
Channel\data rate	1Mbps	Tune up
11(2462MHz)	18.03	19.00
6(2437(MHz)	18.11	19.00
1(2412MHz)	17.94	19.00
802.11g		
Channel\data rate	6Mbps	Tune up
11(2462MHz)	13.84	14.50
10(2457MHz)	16.06	16.50
6(2437(MHz)	16.13	16.50
2(2417MHz)	15.82	16.50
1(2412MHz)	14.85	15.00
802.11n-20MHz		
Channel\data rate	MCS0	Tune up
11(2462MHz)	13.71	14.50
10(2457MHz)	15.91	16.50
6(2437(MHz)	16.00	16.50
2(2417MHz)	15.70	16.50
1(2412MHz)	14.89	15.00

Wi-Fi 2.4G –DSI2/3/5/6

802.11b		
Channel\data rate	1Mbps	Tune up
11(2462MHz)	18.86	20.00
6(2437(MHz)	19.11	20.00
1(2412MHz)	18.62	20.00
802.11g		
Channel\data rate	6Mbps	Tune up
11(2462MHz)	13.84	14.50
10(2457MHz)	16.85	17.50
6(2437(MHz)	16.99	17.50
2(2417MHz)	16.71	17.50
1(2412MHz)	14.85	15.00
802.11n-20MHz		
Channel\data rate	MCS0	Tune up
11(2462MHz)	13.71	14.50
10(2457MHz)	16.70	17.50
6(2437(MHz)	16.84	17.50
2(2417MHz)	16.59	17.50
1(2412MHz)	14.89	15.00

Wi-Fi 2.4G –DSI4

802.11b		
Channel\data rate	1Mbps	Tune up
11(2462MHz)	16.06	17.00
6(2437(MHz)	16.10	17.00
1(2412MHz)	15.93	17.00
802.11g		
Channel\data rate	6Mbps	Tune up
11(2462MHz)	13.84	14.50
6(2437(MHz)	14.17	14.50
1(2412MHz)	13.83	14.50
802.11n-20MHz		
Channel\data rate	MCS0	Tune up
11(2462MHz)	13.71	14.50
6(2437(MHz)	13.98	14.50
1(2412MHz)	13.84	14.50

Wi-Fi 5G –DSI1

802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	14.34	15.50
40(5200 MHz)	14.44	15.50
44(5220 MHz)	14.46	15.50
48(5240 MHz)	14.52	15.50
52(5260 MHz)	14.59	15.50
56(5280 MHz)	14.61	15.50
60(5300 MHz)	14.66	15.50
64(5320 MHz)	14.65	15.50
100(5500 MHz)	13.42	13.50
104(5520 MHz)	15.01	15.50
108(5540 MHz)	14.95	15.50
112(5560 MHz)	14.97	15.50
116(5580 MHz)	14.96	15.50
120(5600 MHz)	14.94	15.50
124(5620 MHz)	14.83	15.50
128(5640 MHz)	14.85	15.50
132(5660 MHz)	14.92	15.50
136(5680 MHz)	14.86	15.50
140(5700 MHz)	14.89	15.50
144(5720 MHz)	14.88	15.50
149(5745 MHz)	14.95	15.50
153(5765 MHz)	15.05	15.50
157(5785 MHz)	15.16	15.50
161(5805 MHz)	15.15	15.50
165(5825 MHz)	15.33	15.50

802.11n(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	14.24	15.50
40(5200 MHz)	14.35	15.50
44(5220 MHz)	14.36	15.50
48(5240 MHz)	14.44	15.50
52(5260 MHz)	14.49	15.50
56(5280 MHz)	14.45	15.50
60(5300 MHz)	14.58	15.50
64(5320 MHz)	14.57	15.50
100(5500 MHz)	13.42	13.50
104(5520 MHz)	14.92	15.50
108(5540 MHz)	14.83	15.50
112(5560 MHz)	14.88	15.50
116(5580 MHz)	14.86	15.50
120(5600 MHz)	14.81	15.50
124(5620 MHz)	14.78	15.50
128(5640 MHz)	14.75	15.50
132(5660 MHz)	14.78	15.50
136(5680 MHz)	14.83	15.50
140(5700 MHz)	14.83	15.50
144(5720 MHz)	14.82	15.50
149(5745 MHz)	14.89	15.50
153(5765 MHz)	14.91	15.50
157(5785 MHz)	15.00	15.50
161(5805 MHz)	15.09	15.50
165(5825 MHz)	15.18	15.50

802.11ac(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	13.28	14.80
40(5200 MHz)	13.33	14.80
44(5220 MHz)	13.37	14.80
48(5240 MHz)	13.43	14.80
52(5260 MHz)	13.46	14.80
56(5280 MHz)	13.49	14.80
60(5300 MHz)	13.52	14.80
64(5320 MHz)	13.49	14.80
100(5500 MHz)	13.56	13.80
104(5520 MHz)	13.91	14.80
108(5540 MHz)	13.83	14.80
112(5560 MHz)	13.88	14.80
116(5580 MHz)	13.79	14.80
120(5600 MHz)	13.75	14.80
124(5620 MHz)	13.78	14.80
128(5640 MHz)	13.75	14.80
132(5660 MHz)	13.81	14.80
136(5680 MHz)	13.78	14.80
140(5700 MHz)	13.77	14.80
144(5720 MHz)	13.77	14.80
149(5745 MHz)	13.91	14.80
153(5765 MHz)	13.92	14.80
157(5785 MHz)	13.96	14.80
161(5805 MHz)	14.08	14.80
165(5825 MHz)	14.09	14.80

802.11n(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	14.42	15.50
46(5230 MHz)	14.92	15.50
54(5270 MHz)	15.00	15.50
62(5310 MHz)	15.07	15.50
102(5510 MHz)	13.15	13.50
110(5550 MHz)	15.01	15.50
118(5590 MHz)	14.92	15.50
126(5630 MHz)	14.84	15.50
134(5670 MHz)	14.80	15.50
142(5710 MHz)	14.96	15.50
151(5755 MHz)	14.98	15.50
159(5795 MHz)	15.19	15.50

802.11ac(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	13.78	14.80
46(5230 MHz)	13.88	14.80
54(5270 MHz)	13.96	14.80
62(5310 MHz)	14.06	14.80
102(5510 MHz)	12.89	13.80
110(5550 MHz)	14.38	14.80
118(5590 MHz)	14.31	14.80
126(5630 MHz)	14.23	14.80
134(5670 MHz)	14.25	14.80
142(5710 MHz)	14.24	14.80
151(5755 MHz)	14.39	14.80
159(5795 MHz)	14.48	14.80

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	12.92	14.00
58(5290 MHz)	13.12	14.00
106(5530 MHz)	13.66	14.00
122(5610 MHz)	13.35	14.00
138(5690 MHz)	13.39	14.00
155(5775 MHz)	13.61	14.00

Wi-Fi 5G –DSI2/3/6

802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	17.79	18.50
40(5200 MHz)	17.76	18.50
44(5220 MHz)	17.85	18.50
48(5240 MHz)	17.93	18.50
52(5260 MHz)	17.99	18.50
56(5280 MHz)	18.00	18.50
60(5300 MHz)	18.08	18.50
64(5320 MHz)	18.07	18.50
100(5500 MHz)	13.42	13.50
104(5520 MHz)	18.37	18.50
108(5540 MHz)	18.34	18.50
112(5560 MHz)	18.33	18.50
116(5580 MHz)	18.28	18.50
120(5600 MHz)	18.23	18.50
124(5620 MHz)	18.23	18.50
128(5640 MHz)	18.15	18.50
132(5660 MHz)	18.07	18.50
136(5680 MHz)	18.05	18.50
140(5700 MHz)	15.97	16.50
144(5720 MHz)	18.06	18.50
149(5745 MHz)	18.14	18.50
153(5765 MHz)	18.17	18.50
157(5785 MHz)	18.27	18.50
161(5805 MHz)	18.31	18.50
165(5825 MHz)	18.06	18.50

802.11n(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	17.72	18.50
40(5200 MHz)	17.83	18.50
44(5220 MHz)	17.87	18.50
48(5240 MHz)	17.92	18.50
52(5260 MHz)	18.00	18.50
56(5280 MHz)	17.91	18.50
60(5300 MHz)	18.15	18.50
64(5320 MHz)	18.13	18.50
100(5500 MHz)	13.42	13.50
104(5520 MHz)	18.39	18.50
108(5540 MHz)	18.29	18.50
112(5560 MHz)	18.36	18.50
116(5580 MHz)	18.33	18.50
120(5600 MHz)	18.25	18.50
124(5620 MHz)	18.21	18.50
128(5640 MHz)	18.05	18.50
132(5660 MHz)	17.99	18.50
136(5680 MHz)	18.01	18.50
140(5700 MHz)	15.98	16.50
144(5720 MHz)	17.98	18.50
149(5745 MHz)	18.16	18.50
153(5765 MHz)	18.27	18.50
157(5785 MHz)	18.20	18.50
161(5805 MHz)	18.26	18.50
165(5825 MHz)	18.01	18.50

802.11ac(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	16.89	17.80
40(5200 MHz)	16.87	17.80
44(5220 MHz)	16.99	17.80
48(5240 MHz)	17.09	17.80
52(5260 MHz)	17.20	17.80
56(5280 MHz)	17.29	17.80
60(5300 MHz)	17.21	17.80
64(5320 MHz)	17.22	17.80
100(5500 MHz)	13.56	13.80
104(5520 MHz)	17.57	17.80
108(5540 MHz)	17.49	17.80
112(5560 MHz)	17.55	17.80
116(5580 MHz)	17.54	17.80
120(5600 MHz)	17.37	17.80
124(5620 MHz)	17.51	17.80
128(5640 MHz)	17.41	17.80
132(5660 MHz)	17.36	17.80
136(5680 MHz)	17.20	17.80
140(5700 MHz)	16.24	16.80
144(5720 MHz)	17.34	17.80
149(5745 MHz)	17.38	17.80
153(5765 MHz)	17.40	17.80
157(5785 MHz)	17.51	17.80
161(5805 MHz)	17.47	17.80
165(5825 MHz)	17.24	17.80

802.11n(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	16.33	17.50
46(5230 MHz)	17.38	18.50
54(5270 MHz)	17.52	18.50
62(5310 MHz)	15.54	16.50
102(5510 MHz)	13.05	13.50
110(5550 MHz)	17.82	18.50
118(5590 MHz)	17.76	18.50
126(5630 MHz)	17.66	18.50
134(5670 MHz)	17.55	18.50
142(5710 MHz)	17.66	18.50
151(5755 MHz)	17.79	18.50
159(5795 MHz)	17.91	18.50

802.11ac(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	16.38	17.80
46(5230 MHz)	16.49	17.80
54(5270 MHz)	16.50	17.80
62(5310 MHz)	15.65	16.80
102(5510 MHz)	12.89	13.80
110(5550 MHz)	16.91	17.80
118(5590 MHz)	16.86	17.80
126(5630 MHz)	16.76	17.80
134(5670 MHz)	16.76	17.80
142(5710 MHz)	16.75	17.80
151(5755 MHz)	16.94	17.80
159(5795 MHz)	16.98	17.80

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	15.11	16.00
58(5290 MHz)	15.25	16.00
106(5530 MHz)	13.66	14.00
122(5610 MHz)	16.58	17.00
138(5690 MHz)	16.48	17.00
155(5775 MHz)	16.63	17.00

Wi-Fi 5G –DSI4

802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	12.31	13.50
40(5200 MHz)	12.49	13.50
44(5220 MHz)	12.47	13.50
48(5240 MHz)	12.52	13.50
52(5260 MHz)	12.63	13.50
56(5280 MHz)	12.58	13.50
60(5300 MHz)	12.68	13.50
64(5320 MHz)	12.66	13.50
100(5500 MHz)	13.06	13.50
104(5520 MHz)	13.01	13.50
108(5540 MHz)	12.99	13.50
112(5560 MHz)	12.94	13.50
116(5580 MHz)	13.01	13.50
120(5600 MHz)	12.89	13.50
124(5620 MHz)	12.83	13.50
128(5640 MHz)	12.90	13.50
132(5660 MHz)	12.91	13.50
136(5680 MHz)	12.86	13.50
140(5700 MHz)	12.93	13.50
144(5720 MHz)	12.83	13.50
149(5745 MHz)	12.94	13.50
153(5765 MHz)	13.00	13.50
157(5785 MHz)	13.13	13.50
161(5805 MHz)	13.13	13.50
165(5825 MHz)	13.35	13.50

802.11n(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	12.29	13.50
40(5200 MHz)	12.31	13.50
44(5220 MHz)	12.36	13.50
48(5240 MHz)	12.41	13.50
52(5260 MHz)	12.50	13.50
56(5280 MHz)	12.40	13.50
60(5300 MHz)	12.53	13.50
64(5320 MHz)	12.54	13.50
100(5500 MHz)	12.89	13.50
104(5520 MHz)	12.96	13.50
108(5540 MHz)	12.86	13.50
112(5560 MHz)	12.91	13.50
116(5580 MHz)	12.84	13.50
120(5600 MHz)	12.77	13.50
124(5620 MHz)	12.75	13.50
128(5640 MHz)	12.80	13.50
132(5660 MHz)	12.75	13.50
136(5680 MHz)	12.79	13.50
140(5700 MHz)	12.88	13.50
144(5720 MHz)	12.78	13.50
149(5745 MHz)	12.88	13.50
153(5765 MHz)	12.92	13.50
157(5785 MHz)	12.99	13.50
161(5805 MHz)	13.08	13.50
165(5825 MHz)	13.22	13.50

802.11ac(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	11.25	12.80
40(5200 MHz)	11.38	12.80
44(5220 MHz)	11.37	12.80
48(5240 MHz)	11.45	12.80
52(5260 MHz)	11.48	12.80
56(5280 MHz)	11.51	12.80
60(5300 MHz)	11.49	12.80
64(5320 MHz)	11.46	12.80
100(5500 MHz)	11.97	12.80
104(5520 MHz)	11.92	12.80
108(5540 MHz)	11.86	12.80
112(5560 MHz)	11.84	12.80
116(5580 MHz)	11.75	12.80
120(5600 MHz)	11.72	12.80
124(5620 MHz)	11.83	12.80
128(5640 MHz)	11.78	12.80
132(5660 MHz)	11.76	12.80
136(5680 MHz)	11.79	12.80
140(5700 MHz)	11.78	12.80
144(5720 MHz)	11.82	12.80
149(5745 MHz)	11.94	12.80
153(5765 MHz)	11.91	12.80
157(5785 MHz)	11.95	12.80
161(5805 MHz)	12.05	12.80
165(5825 MHz)	12.12	12.80

802.11n(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	12.43	13.50
46(5230 MHz)	12.94	13.50
54(5270 MHz)	13.00	13.50
62(5310 MHz)	13.13	13.50
102(5510 MHz)	13.15	13.50
110(5550 MHz)	13.02	13.50
118(5590 MHz)	12.88	13.50
126(5630 MHz)	12.86	13.50
134(5670 MHz)	12.77	13.50
142(5710 MHz)	12.91	13.50
151(5755 MHz)	12.93	13.50
159(5795 MHz)	13.13	13.50

802.11ac(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	11.80	12.80
46(5230 MHz)	11.84	12.80
54(5270 MHz)	11.91	12.80
62(5310 MHz)	12.05	12.80
102(5510 MHz)	12.34	12.80
110(5550 MHz)	12.37	12.80
118(5590 MHz)	12.35	12.80
126(5630 MHz)	12.28	12.80
134(5670 MHz)	12.28	12.80
142(5710 MHz)	12.21	12.80
151(5755 MHz)	12.36	12.80
159(5795 MHz)	12.53	12.80

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	10.90	12.00
58(5290 MHz)	11.14	12.00
106(5530 MHz)	11.47	12.00
122(5610 MHz)	11.37	12.00
138(5690 MHz)	11.44	12.00
155(5775 MHz)	11.61	12.00

Wi-Fi 5G –DSI5

802.11a(dBm)		
Channel\data rate	6Mbps	Tune up
36(5180 MHz)	13.83	15.00
40(5200 MHz)	13.89	15.00
44(5220 MHz)	14.01	15.00
48(5240 MHz)	14.01	15.00
52(5260 MHz)	14.12	15.00
56(5280 MHz)	14.11	15.00
60(5300 MHz)	14.17	15.00
64(5320 MHz)	14.11	15.00
100(5500 MHz)	13.42	13.50
104(5520 MHz)	14.47	15.00
108(5540 MHz)	14.44	15.00
112(5560 MHz)	14.44	15.00
116(5580 MHz)	14.41	15.00
120(5600 MHz)	14.43	15.00
124(5620 MHz)	14.38	15.00
128(5640 MHz)	14.35	15.00
132(5660 MHz)	14.47	15.00
136(5680 MHz)	14.33	15.00
140(5700 MHz)	14.34	15.00
144(5720 MHz)	14.42	15.00
149(5745 MHz)	14.46	15.00
153(5765 MHz)	14.58	15.00
157(5785 MHz)	14.71	15.00
161(5805 MHz)	14.65	15.00
165(5825 MHz)	14.84	15.00

802.11n(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	13.74	15.00
40(5200 MHz)	13.80	15.00
44(5220 MHz)	13.88	15.00
48(5240 MHz)	13.96	15.00
52(5260 MHz)	14.02	15.00
56(5280 MHz)	13.92	15.00
60(5300 MHz)	14.09	15.00
64(5320 MHz)	14.03	15.00
100(5500 MHz)	13.15	13.50
104(5520 MHz)	14.41	15.00
108(5540 MHz)	14.34	15.00
112(5560 MHz)	14.33	15.00
116(5580 MHz)	14.32	15.00
120(5600 MHz)	14.29	15.00
124(5620 MHz)	14.24	15.00
128(5640 MHz)	14.25	15.00
132(5660 MHz)	14.31	15.00
136(5680 MHz)	14.34	15.00
140(5700 MHz)	14.29	15.00
144(5720 MHz)	14.33	15.00
149(5745 MHz)	14.36	15.00
153(5765 MHz)	14.44	15.00
157(5785 MHz)	14.52	15.00
161(5805 MHz)	14.58	15.00
165(5825 MHz)	14.70	15.00

802.11ac(dBm)-20MHz		
Channel\data rate	MCS0	Tune up
36(5180 MHz)	12.77	14.30
40(5200 MHz)	12.83	14.30
44(5220 MHz)	12.91	14.30
48(5240 MHz)	12.95	14.30
52(5260 MHz)	12.93	14.30
56(5280 MHz)	13.00	14.30
60(5300 MHz)	12.98	14.30
64(5320 MHz)	13.03	14.30
100(5500 MHz)	13.56	13.80
104(5520 MHz)	13.45	14.30
108(5540 MHz)	13.35	14.30
112(5560 MHz)	13.35	14.30
116(5580 MHz)	13.24	14.30
120(5600 MHz)	13.27	14.30
124(5620 MHz)	13.23	14.30
128(5640 MHz)	13.21	14.30
132(5660 MHz)	13.31	14.30
136(5680 MHz)	13.31	14.30
140(5700 MHz)	13.23	14.30
144(5720 MHz)	13.28	14.30
149(5745 MHz)	13.39	14.30
153(5765 MHz)	13.40	14.30
157(5785 MHz)	13.45	14.30
161(5805 MHz)	13.58	14.30
165(5825 MHz)	13.57	14.30

802.11n(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	13.89	15.00
46(5230 MHz)	14.39	15.00
54(5270 MHz)	14.48	15.00
62(5310 MHz)	14.63	15.00
102(5510 MHz)	13.15	13.50
110(5550 MHz)	14.52	15.00
118(5590 MHz)	14.43	15.00
126(5630 MHz)	14.36	15.00
134(5670 MHz)	14.27	15.00
142(5710 MHz)	14.47	15.00
151(5755 MHz)	14.43	15.00
159(5795 MHz)	14.70	15.00

802.11ac(dBm)-40MHz		
Channel\data rate	MCS0	Tune up
38(5190 MHz)	13.26	14.30
46(5230 MHz)	13.39	14.30
54(5270 MHz)	13.41	14.30
62(5310 MHz)	13.51	14.30
102(5510 MHz)	12.89	13.80
110(5550 MHz)	13.88	14.30
118(5590 MHz)	13.82	14.30
126(5630 MHz)	13.78	14.30
134(5670 MHz)	13.70	14.30
142(5710 MHz)	13.73	14.30
151(5755 MHz)	13.84	14.30
159(5795 MHz)	14.01	14.30

802.11ac(dBm)-80MHz		
Channel\data rate	MCS0	Tune up
42(5210 MHz)	12.47	13.50
58(5290 MHz)	12.65	13.50
106(5530 MHz)	13.02	13.50
122(5610 MHz)	12.81	13.50
138(5690 MHz)	12.91	13.50
155(5775 MHz)	13.06	13.50

11.4 5G NR Measurement result

Band	ANT	Tune up (dBm)								
		Standalone			WWAN+WIFI			ENDC+WIFI		
		Receiver on +Hotspot on/off	Receiver off +Hotspot on	Receiver off +Hotspot off	Receiver on +Hotspot on/off	Receiver off +Hotspot on	Receiver off +Hotspot off	Receiver on +Hotspot on/off	Receiver off +Hotspot on	Receiver off +Hotspot off
		DSI1	DSI2	DSI3	DSI4	DSI5	DSI6	DSI7	DSI8	DSI9
N2	**1**	24.5	21	22.5	24.5	21	22.5	24.5	19.5	22.5
N2	**5**	\	\	\	\	\	\	17	22	23.5
N5	**1**	25	25	25	25	25	25	25	25	25
N30	**1**	24	24	24	24	24	24	\	\	\
N66	**1**	24.5	20	22	24.5	20	22	24.5	17.5	21
N66	**5**	\	\	\	\	\	\	18	24.5	24.5
N77-PC2	**4**	22	25.5	25.5	22	25.5	25.5	20.5	24.5	25.5
N77-PC3	**4**	19	22.5	22.5	19	22.5	22.5	17.5	21.5	22.5

N2–ANT2 DSI1/4/7

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	24.5	23.60
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	24.5	23.66
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	24.5	23.62
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	24.5	23.58
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	24.5	23.59
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	24.5	23.57

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	24.5	23.63
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	23.5	22.61
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	22	21.09
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	20	19.16
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	23	22.11
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	22.5	21.71
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	21	20.13
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	18	17.11
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	23.5	22.64
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	23.5	22.61
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	23.5	22.63
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	23.5	22.65
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	24.5	23.61
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	24.5	23.6
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	23.5	22.58
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	24.5	23.55
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	24.5	23.58

N2–ANT2 DSI2/5

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	21	20.12
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	21	20.14
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	21	20.13
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	21	20.08
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	21	20.11
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	21	20.09
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	21	20.1
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	21	20.05
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	21	20.03
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	20	19.13
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	21	20.11
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	21	20.13
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	21	20.12
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	18	17.21
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	21	19.98
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	21	19.95
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	21	19.97
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	21	20.03
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	21	20.06
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	21	20.03
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	21	19.86
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	21	19.97
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	21	20.06

N2–ANT2 DSI3/5/9

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	22.5	21.70
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	22.5	21.75
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	22.5	21.66
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	22.5	21.62
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	22.5	21.67
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	22.5	21.64
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	22.5	21.61
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	22.5	21.62
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	22	21.11
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	20	19.16
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	22.5	21.74
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	22.5	21.66
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	21	20.16
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	18	17.17
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	22.5	21.54
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	22.5	21.52
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	22.5	21.54
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	22.5	21.6
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	22.5	21.58
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	22.5	21.46
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	22.5	21.64
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	22.5	21.6
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	22.5	21.62

N2–ANT2 DSI8

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	19.5	19.23
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	19.5	19.28
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	19.5	19.16
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	19.5	19.22
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	19.5	19.09
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	19.5	19.17

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	19.5	19.13
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	19.5	19.18
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	19.5	19.02
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	19.5	19.05
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	19.5	19.03
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	19.5	19.13
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	19.5	18.09
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	18	17.52
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	19.5	19.11
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	19.5	18.96
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	19.5	19.09
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	19.5	19.12
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	19.5	19.11
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	19.5	19.03
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	19.5	19.11
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	19.5	19.12
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	19.5	19.04

N2–ANT5 DSI7

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	17	16.66
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	17	16.72
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	17	16.57
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	17	16.55
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	17	16.53
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	17	16.54

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	17	16.55
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	17	16.65
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	17	16.43
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	17	16.48
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	17	16.52
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	17	16.45
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	17	16.51
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	17	16.48
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	17	16.58
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	17	16.62
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	17	16.6
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	17	16.53
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	17	16.49
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	17	16.55
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	17	16.47
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	17	16.62
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	17	16.61

N2–ANT5 DSI8

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	22	21.73
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	22	21.79
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	22	21.68
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	22	21.71
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	22	21.64
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	22	21.66
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	22	21.56
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	22	21.62
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	22	21.52
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	20	19.57
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	22	21.55
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	22	21.64
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	21	20.58
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	18	17.58
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	22	21.59
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	22	21.51
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	22	21.6
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	22	21.6
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	22	21.61
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	22	21.56
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	22	21.58
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	22	21.57
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	22	21.5

N2–ANT5 DSI9

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	23.5	22.74
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	23.5	22.82
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	23.5	22.79
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	23.5	22.76
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	23.5	22.78
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	23.5	22.74
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n2							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n2
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	23.5	22.78
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	23.5	22.75
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	22	21.51
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	20	19.57
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	23	22.56
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	22.5	22.12
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	21	20.62
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	18	17.53
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	23.5	22.55
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	23.5	22.55
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	23.5	22.68
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	23.5	22.65
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	23.5	22.69
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	23.5	22.66
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	23.5	22.51
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	23.5	22.6
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	23.5	22.58

N5–ANT1 DSI1/2/3/4/5/6/7/8/9

No.	Test Freq Description	5G-n5								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n5
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	846.5	169300	25	23.96
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	836.5	167300	25	24.09
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	826.5	165300	25	24.01
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	839	167800	25	24.00
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	836.5	167300	25	24.03
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	834	166800	25	24.07

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n5								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n5
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	836.5	167300	25	24.02
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	836.5	167300	24	23.05
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	836.5	167300	22.5	21.56
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	836.5	167300	20.5	19.63
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	836.5	167300	23.5	22.58
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	836.5	167300	23	22.18
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	836.5	167300	21.5	20.58
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	836.5	167300	18.5	17.55
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	836.5	167300	24	23.04
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	836.5	167300	24	23.06
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	836.5	167300	24	23.04
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	836.5	167300	24	23.07
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	836.5	167300	25	24.01
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	836.5	167300	25	23.96
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	836.5	167300	24	23.09
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	836.5	167300	25	24.02
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	836.5	167300	25	23.98

N30–ANT1 DSI1/2/3/4/5/6

No.	Test Freq Description	5G-n30								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n30
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2312.5	462500	24.00	23.15
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2310	462000	24.00	23.22
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2307.5	461500	24.00	23.17
5	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2310	462000	24.00	23.16

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n30								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n30
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2310	462000	24.00	23.16
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2310	462000	23.00	22.15
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2310	462000	21.50	20.71
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2310	462000	19.50	18.73
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2310	462000	22.50	21.66
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2310	462000	22.00	21.29
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2310	462000	20.50	19.72
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2310	462000	17.50	16.65
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2310	462000	23.00	22.14
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2310	462000	23.00	22.13
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2310	462000	23.00	22.14
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2310	462000	23.00	22.12
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2310	462000	24.00	23.11
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2310	462000	24.00	23.14
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2310	462000	23.00	22.10

N66–ANT1 DSI1/4/7

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation	NR Test Freq. (MHz)	QRCT设置信道	Tune up	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	24.5	23.66
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	24.5	23.75
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	24.5	23.63
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1770	354000	24.5	23.69
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745	349000	24.5	23.71
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1720	344000	24.5	23.64

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation	NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1745	349000	24.5	23.68
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1745	349000	23.5	22.66
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1745	349000	22	21.15
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1745	349000	20	19.22
5	default	15	5	CP-OFDM QPSK	Inner_Full	12@6	1745	349000	23	22.15
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12@6	1745	349000	22.5	21.71
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12@6	1745	349000	21	20.14
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12@6	1745	349000	18	17.15
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1745	349000	23.5	22.64
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745	349000	23.5	22.63
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1745	349000	24.5	23.61
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745	349000	24.5	23.64
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1745	349000	23.5	22.64
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	24.5	23.65
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	24.5	23.66
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	24.5	23.62
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	24.5	23.61

N66–ANT1 DSI2/5

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation	NR Test Freq. (MHz)	QRCT设置信道	Tune up	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	20	19.24
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	20	19.39
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	20	19.37
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1770	354000	20	19.16
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745	349000	20	19.31
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1720	344000	20	19.09

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation	NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1745	349000	20	19.26
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1745	349000	20	19.30
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1745	349000	20	19.16
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1745	349000	20	19.22
5	default	15	5	CP-OFDM QPSK	Inner_Full	12@6	1745	349000	20	19.25
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12@6	1745	349000	20	19.25
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12@6	1745	349000	20	19.13
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12@6	1745	349000	18	17.16
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1745	349000	20	19.23
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745	349000	20	19.24
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1745	349000	20	19.09
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745	349000	20	19.19
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1745	349000	20	19.24
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	20	19.20
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	20	19.25
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	20	19.22
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	20	19.11

N66–ANT1 DSI3/6

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	QRCT设置信道	Tune up	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	22	21.48
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	22	21.53
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	22	21.51
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1770	354000	22	21.42
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745	349000	22	21.45
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1720	344000	22	21.39

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1745	349000	22	21.32
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1745	349000	22	21.28
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1745	349000	22	21.09
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1745	349000	20	19.27
5	default	15	5	CP-OFDM QPSK	Inner_Full	12@6	1745	349000	22	21.25
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12@6	1745	349000	22	21.03
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12@6	1745	349000	21	20.10
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12@6	1745	349000	18	17.12
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1745	349000	22	21.21
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745	349000	22	21.28
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1745	349000	22	21.37
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745	349000	22	21.29
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1745	349000	22	21.32
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	22	21.26
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	22	21.27
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	22	21.32
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	22	21.41

N66–ANT1 DSI9

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	QRCT设置信道	Tune up	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	21	20.72
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	21	20.75
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	21	20.72
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1770	354000	21	20.73
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745	349000	21	20.72
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1720	344000	21	20.71

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1745	349000	21	20.71
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1745	349000	21	20.55
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1745	349000	21	20.68
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1745	349000	21	20.49
5	default	15	5	CP-OFDM QPSK	Inner_Full	12@6	1745	349000	21	20.57
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12@6	1745	349000	21	20.51
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12@6	1745	349000	21	20.52
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12@6	1745	349000	18	17.68
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1745	349000	21	20.70
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745	349000	21	20.51
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1745	349000	21	20.57
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745	349000	21	20.62
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1745	349000	21	20.59
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	21	20.60
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	21	20.50
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	21	20.70
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	21	20.56

N66–ANT5 DSI7

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	QRCT设置信道	Tune up	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	18	17.83
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	18	17.88
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	18	17.79
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1770	354000	18	17.75
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745	349000	18	17.78
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1720	344000	18	17.75

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1745	349000	18	17.63
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1745	349000	18	17.68
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1745	349000	18	17.75
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1745	349000	18	17.55
5	default	15	5	CP-OFDM QPSK	Inner_Full	12@6	1745	349000	18	17.64
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12@6	1745	349000	18	17.47
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12@6	1745	349000	18	17.46
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12@6	1745	349000	18	17.55
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1745	349000	18	17.74
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745	349000	18	17.62
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1745	349000	18	17.65
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745	349000	18	17.54
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1745	349000	18	17.57
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	18	17.50
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	18	17.58
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	18	17.50
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	18	17.72

N66–ANT5 DSI8/9

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	QRCT设置信道	Tune up	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1777.5	355500	24.5	24.29
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1745	349000	24.5	24.35
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12@6	1712.5	342500	24.5	24.22
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1770	354000	24.5	24.21
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1745	349000	24.5	24.25
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50@25	1720	344000	24.5	24.23

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12@6	1745	349000	24.5	24.11
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12@6	1745	349000	23.5	23.07
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12@6	1745	349000	22	21.56
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12@6	1745	349000	20	19.69
5	default	15	5	CP-OFDM QPSK	Inner_Full	12@6	1745	349000	23	22.59
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12@6	1745	349000	22.5	22.15
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12@6	1745	349000	21	20.58
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12@6	1745	349000	18	17.64
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2@23	1745	349000	23.5	23.03
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	1745	349000	23.5	23.01
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1@23	1745	349000	24.5	24.09
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	1745	349000	24.5	24.05
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25@0	1745	349000	23.5	23.03
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	24.5	24.07
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	24.5	24.09
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	24.5	24.03
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	24.5	24.01

N77 PC2–ANT4 DSI1/4

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	22	21.15
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	22	21.18
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	22	21.16
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	22	20.97
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	22	20.91

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	22	20.85
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	22	20.93
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	22	20.87
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	22	20.88
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	22	20.87
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	22	20.83
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	22	20.86
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	21	20.15
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	22	20.92
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	22	20.81
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	22	20.86
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	22	20.89
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	22	20.83
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	22	20.82
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	22	20.82
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	22	20.86
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	22	21.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	22	20.97

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	22	21.35
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	22	21.17
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	22	21.21
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	22	21.25
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	22	21.33
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	22	21.32
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	22	21.23
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	22	21.16
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	22	21.22
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	22	21.05
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	22	21.29
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	22	21.23

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.990	664666	22	21.00
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	22	21.12
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	22	21.18
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	22	21.11
5	High	30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.990	664666	22	21.11
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	22	21.17
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	22	21.11
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	21	20.02
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.990	664666	22	21.17
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.990	664666	22	21.06
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.990	664666	22	21.20
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.990	664666	22	21.14
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.990	664666	22	21.07
16	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960.000	664000	22	21.19
17	High	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.480	663632	22	21.11
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.980	663332	22	21.10
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.990	662666	22	21.13
20	High	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.980	662332	22	21.12

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No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	27.5	26.53
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	27.5	26.69
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	27.5	26.62
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	27.5	26.43
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	27.5	26.45

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	27.5	26.48
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	26.5	25.42
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	25	23.88
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	23	21.94
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	26	24.89
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	25.5	24.51
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	24	22.89
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	21	20.01
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	24	23.09
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	24	23.01
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	27.5	26.42
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	27.5	26.41
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	26.5	25.44
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	27.5	26.41
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	27.5	26.42
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	27.5	26.45
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	27.5	26.41
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	27.5	26.43

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	27.5	26.89
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	27.5	26.75
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	27.5	26.79
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	27.5	26.73
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	27.5	26.75
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	27.5	26.85
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	27.5	26.72
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	27.5	26.75
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	27.5	26.72
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	27.5	26.65
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	27.5	26.72
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	27.5	26.75

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.990	664666	27.5	26.71
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	26.5	25.66
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	25	24.13
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	23	22.19
5	High	30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.990	664666	26	25.11
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	25.5	24.66
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	24	23.08
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	21	20.16
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.990	664666	24	23.21
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.990	664666	24	23.19
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.990	664666	27.5	26.52
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.990	664666	27.5	26.56
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.990	664666	26.5	25.61
16	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960.000	664000	27.5	26.53
17	High	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.480	663632	27.5	26.51
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.980	663332	27.5	26.54
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.990	662666	27.5	26.53
20	High	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.980	662332	27.5	26.55

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No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	20.5	19.86
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	20.5	19.87
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	20.5	19.85
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	20.5	19.66
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	20.5	19.61

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	20.5	19.66
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	20.5	19.61
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	20.5	19.74
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	20.5	19.59
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	20.5	19.62
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	20.5	19.57
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	20.5	19.62
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	20.5	19.57
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	20.5	19.59
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	20.5	19.57
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	20.5	19.67
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	20.5	19.56
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	20.5	19.64
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	20.5	19.55
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	20.5	19.75
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	20.5	19.74
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	20.5	19.65
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	20.5	19.57

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	20.5	20.13
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	20.5	19.96
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	20.5	20.01
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	20.5	20.07
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	20.5	20.11
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	20.5	20.10
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	20.5	20.03
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	20.5	19.92
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	20.5	20.07
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	20.5	19.82
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	20.5	20.09
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	20.5	20.06

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.990	664666	20.5	19.93
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	20.5	19.81
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	20.5	19.64
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	20.5	19.65
5	High	30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.990	664666	20.5	19.88
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	20.5	19.70
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	20.5	19.69
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	20.5	19.80
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.990	664666	20.5	19.67
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.990	664666	20.5	19.70
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.990	664666	20.5	19.63
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.990	664666	20.5	19.62
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.990	664666	20.5	19.72
16	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960.000	664000	20.5	19.66
17	High	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.480	663632	20.5	19.74
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.980	663332	20.5	19.67
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.990	662666	20.5	19.78
20	High	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.980	662332	20.5	19.67

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No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	24.5	23.30
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	24.5	23.34
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	24.5	23.29
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	24.5	23.07
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	24.5	23.17

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	24.5	23.23
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	24.5	23.23
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	24.5	23.11
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	23	21.92
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	24.5	23.20
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	24.5	23.24
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	24	22.86
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	21	20.08
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	24	23.11
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	24	23.07
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	24.5	23.14
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	24.5	23.17
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	24.5	23.21
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	24.5	23.13
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	24.5	23.19
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	24.5	23.25
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	24.5	23.18
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	24.5	23.18

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	24.5	23.70
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	24.5	23.44
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	24.5	23.40
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	24.5	23.40
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	24.5	23.49
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	24.5	23.59
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	24.5	23.43
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	24.5	23.52
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	24.5	23.40
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	24.5	23.36
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	24.5	23.44
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	24.5	23.55

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.990	664666	24.5	23.48
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	24.5	23.50
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	24.5	23.52
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	23	22.12
5	High	30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.990	664666	24.5	23.52
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	24.5	23.54
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	24	23.06
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	21	20.03
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.990	664666	24	23.11
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.990	664666	24	23.14
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.990	664666	24.5	23.47
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.990	664666	24.5	23.45
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.990	664666	24.5	23.49
16	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960.000	664000	24.5	23.46
17	High	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.480	663632	24.5	23.51
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.980	663332	24.5	23.52
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.990	662666	24.5	23.53
20	High	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.980	662332	24.5	23.51

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No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	19	17.99
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	19	18.14
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	19	18.04
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	19	17.84
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	19	17.85

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	19	18.02
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	19	17.82
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	19	17.79
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	19	17.87
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	19	17.87
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	19	17.78
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	19	17.93
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	18	17.57
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	19	17.82
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	19	17.81
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	19	17.91
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	19	17.79
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	19	17.92
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	19	17.81
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	19	17.97
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	19	17.91
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	19	17.84
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	19	17.82

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	19	18.42
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	19	18.33
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	19	18.41
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	19	18.36
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	19	18.36
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	19	18.27
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	19	18.36
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	19	18.39
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	19	18.42
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	19	18.40
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	19	18.36
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	19	18.34

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.990	664666	19	18.17
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	19	18.20
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	19	18.20
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	19	18.27
5	High	30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.990	664666	19	18.19
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	19	18.13
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	19	18.25
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	18	17.00
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.990	664666	19	18.11
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.990	664666	19	18.20
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.990	664666	19	18.13
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.990	664666	19	18.14
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.990	664666	19	18.15
16	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960.000	664000	19	18.13
17	High	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.480	663632	19	18.13
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.980	663332	19	18.21
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.990	662666	19	18.28
20	High	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.980	662332	19	18.22

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No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	24.5	23.54
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	24.5	23.57
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	24.5	23.48
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	24.5	23.34
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	24.5	23.31

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	24.5	23.47
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	23.5	22.38
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	22	21.81
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	20	19.85
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	23	22.31
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	22.5	22.33
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	21	20.75
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	18	17.73
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	23.5	22.41
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	23.5	22.43
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	24.5	23.44
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	24.5	23.41
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	23.5	22.42
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	24.5	23.45
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	24.5	23.43
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	24.5	23.41
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	24.5	23.46
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	24.5	23.43

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	24.5	24.02
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	24.5	23.88
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	24.5	23.98
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	24.5	23.95
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	24.5	23.94
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	24.5	23.87
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	24.5	23.87
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	24.5	23.89
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	24.5	23.84
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	24.5	23.82
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	24.5	23.93
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	24.5	23.91

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.990	664666	24.5	23.81
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	23.5	22.50
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	22	21.00
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	20	19.00
5	High	30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.990	664666	23	22.00
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	22.5	21.50
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	21	20.00
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	18	17.00
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.990	664666	23.5	22.50
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.990	664666	23.5	22.50
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.990	664666	24.5	23.50
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.990	664666	24.5	23.50
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.990	664666	23.5	22.50
16	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960.000	664000	24.5	23.75
17	High	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.480	663632	24.5	23.71
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.980	663332	24.5	23.75
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.990	662666	24.5	23.71
20	High	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.980	662332	24.5	23.75

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No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	21.5	20.49
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	21.5	20.60
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	21.5	20.43
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	21.5	20.37
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	21.5	20.33

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	21.5	20.55
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	21.5	20.53
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	21.5	20.47
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	20	19.54
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	21.5	20.43
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	21.5	20.51
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	21	20.12
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	18	17.26
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	21.5	20.49
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	21.5	20.30
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	21.5	20.42
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	21.5	20.41
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	21.5	20.48
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	21.5	20.41
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	21.5	20.49
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	21.5	20.48
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	21.5	20.48
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	21.5	20.35

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	21.5	21.04
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	21.5	20.80
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	21.5	21.02
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	21.5	20.96
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	21.5	20.92
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	21.5	20.80
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	21.5	20.94
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	21.5	20.96
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	21.5	20.87
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	21.5	20.75
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	21.5	20.93
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	21.5	20.89

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.990	664666	21.5	20.85
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	21.5	20.87
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	21.5	20.93
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	20	19.12
5	High	30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.990	664666	21.5	20.75
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	21.5	20.64
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	21	19.98
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	18	16.94
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.990	664666	21.5	20.84
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.990	664666	21.5	20.81
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.990	664666	21.5	20.78
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.990	664666	21.5	20.77
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.990	664666	21.5	20.79
16	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960.000	664000	21.5	20.77
17	High	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.480	663632	21.5	20.79
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.980	663332	21.5	20.76
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.990	662666	21.5	20.83
20	High	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.980	662332	21.5	20.83

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No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	22.5	21.50
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	22.5	21.58
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	22.5	21.46
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	22.5	21.33
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	22.5	21.35

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3500.01	633334	22.5	21.53
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	22.5	21.36
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	22	21.05
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	20	19.56
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	22.5	21.31
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	22.5	21.24
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	21	20.15
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	18	17.23
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3500.01	633334	22.5	21.42
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3500.01	633334	22.5	21.41
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3500.01	633334	22.5	21.36
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3500.01	633334	22.5	21.48
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	22.5	21.36
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3500.01	633334	22.5	21.34
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3500.01	633334	22.5	21.41
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3500.01	633334	22.5	21.44
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3500.01	633334	22.5	21.30
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3500.01	633334	22.5	21.43

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	22.5	22.06
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	22.5	21.83
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	22.5	22.02
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	22.5	21.98
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	22.5	21.90
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	22.5	21.85
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	22.5	21.90
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	22.5	21.94
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	22.5	21.87
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	22.5	21.77
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	22.5	21.98
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	22.5	21.92

According to the table above, the maximum power configuration is selected as the default test configuration

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3969.990	664666	22.5	21.88
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	22.5	21.82
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	22	21.06
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	20	19.11
5	High	30	20	CP-OFDM QPSK	Inner_Full	25@12	3969.990	664666	22.5	21.67
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25@12	3969.990	664666	22.5	21.54
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25@12	3969.990	664666	21	20.00
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25@12	3969.990	664666	18	17.00
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2@49	3969.990	664666	22.5	21.79
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2@0	3969.990	664666	22.5	21.70
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1@49	3969.990	664666	22.5	21.92
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1@1	3969.990	664666	22.5	21.86
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3969.990	664666	22.5	21.81
16	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3960.000	664000	22.5	21.75
17	High	30	50	DFT-s-OFDM QPSK	Inner_Full	64@32	3954.480	663632	22.5	21.90
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3949.980	663332	22.5	21.86
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3939.990	662666	22.5	21.80
20	High	30	90	DFT-s-OFDM QPSK	Inner_Full	120@60	3934.980	662332	22.5	21.91

N77 SRS–ANT3

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	25	23.05
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	25	23.50
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	25	23.07
4	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	25	23.56
5	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	25	24.02
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	25	23.02
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	25	23.05
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	25	23.27
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	25	23.62
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	25	23.80
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	25	23.75
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	25	23.51
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	25	23.73
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	25	23.95
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	25	24.23
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	25	24.42
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	25	24.52
According to the table above, the maximum power configuration is selected as the default test configuration										

N77 SRS–ANT2

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	25	23.24
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	25	23.30
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	25	23.05
4	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	25	23.90
5	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	25	24.34
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	25	23.14
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	25	23.15
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	25	23.26
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	25	23.30
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	25	23.54
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	25	23.67
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	25	23.78
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	25	23.76
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	25	23.83
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	25	23.89
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	25	24.04
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	25	24.29
According to the table above, the maximum power configuration is selected as the default test configuration										

N77 SRS–ANT6

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	23	21.02
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	23	21.06
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	23	21.05
4	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3499.98	633332	23	21.56
5	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	23	21.98
According to the table above, the maximum power configuration is selected as the default test configuration										

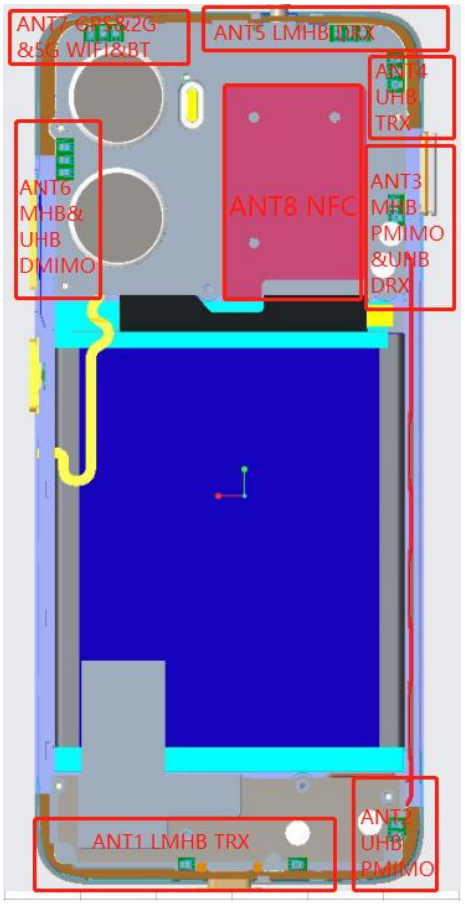
No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3969.990	664666	23	21.02
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3918.000	661200	23	21.05
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3866.000	657733	23	21.17
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3814.000	654267	23	21.33
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3762.000	650800	23	21.42
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.010	647334	23	21.50
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930.000	662000	23	21.54
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3894.000	659600	23	21.78
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3858.000	657200	23	21.92
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3822.000	654800	23	22.02
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3786.000	652400	23	22.12
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750.000	650000	23	22.34
According to the table above, the maximum power configuration is selected as the default test configuration										

12 Simultaneous TX SAR Considerations

12.1 Introduction

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

12.2 Transmit Antenna Separation Distances



RF Port Mapping1

ANT1
TX: WCDMA:B1 B2 B4 B5 B8
LTE: B2 B3 B4 B5 B7 B12 B14 B20 B30 B66
NR: N2 N5 N30 N66
PRX: WCDMA:B1 B2 B4 B5 B8
LTE: B2 B3 B4 B5 B7 B12 B14 B20 B29 B30 B66
NR:N2 N5 N30 N66

ANT2
RX: NR: N77

ANT3
RX(PM): LTE:B2 B4 B30 B66
NR: N2 N30 N66 N77

ANT4
TX: NR:N77
PRX: NR:N77

ANT5
TX(endc): LTE: B2 B12 B30 B66
NR: N2 N66
DRX: WCDMA:B1 B2 B4 B5 B8
LTE: B2 B3 B4 B5 B7 B12 B14 B20 B29 B30 B66
NR:N2 N5 N30 N66

ANT6
RX(DM): LTE:B2 B4 B30 B66
NR: N2 N30 N66 N77

ANT7
WIFI2.4G&5G
BT
GPS L1

Picture 12-1: Antenna Locations

12.3 SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR, the edges with less than 2.5 cm distance to the antennas need to be tested for SAR.

SAR measurement positions						
Antenna	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
ANT1	Yes	Yes	Yes	Yes	No	Yes
ANT4	Yes	Yes	Yes	No	Yes	No
ANT5	Yes	Yes	Yes	Yes	Yes	No
ANT7	Yes	Yes	No	Yes	Yes	No

13 Evaluation of Simultaneous

The simultaneous transmission possibilities for this device are listed as below:

	WLAN	
1	WLAN 2.4GHz + BT	No
2	WLAN 2.4GHz + WLAN 5GHz	No
3	WLAN 5GHz + BT	Yes
WWAN +WLAN		
1	WWAN+WLAN 2.4GHz + BT	No
2	WWAN+WLAN 2.4GHz + WLAN 5GHz	No
3	WWAN+WLAN 5GHz + BT	Yes
4	WWAN+WLAN 2.4GHz	Yes
5	WWAN+WLAN 5GHz	Yes
6	WWAN+BT	Yes

The sum of reported SAR values for 2/3/4G +WiFi

Reported SAR 1g (W/kg)																					
State		1														2	3	4			
Head(1g)		W1900 ANT1	W1700 ANT1	W850 ANT1	LTE B2 ANT1	LTE B5 ANT1	LTE B7 ANT1	LTE B12 ANT1	LTE B14 ANT1	LTE B30 ANT1	LTE B66 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	1+2	1+3+4
Cheek	Left	0.13	0.00	0.32	0.15	0.32	0.06	0.22	0.33	0.28	0.06	0.37	0.23	0.27	0.47	0.74	0.68	0.15	1.21	1.30
Tilt	Left	0.15	0.00	0.17	0.15	0.17	0.04	0.12	0.17	0.19	0.00	0.44	0.24	0.43	0.52	0.63	0.75	0.12	1.15	1.39
Cheek	Right	0.15	0.15	0.32	0.16	0.36	0.00	0.19	0.38	0.17	0.12	0.54	0.36	0.47	0.60	0.29	0.27	0.06	0.89	0.93
Tilt	Right	0.14	0.00	0.17	0.13	0.18	0.06	0.14	0.17	0.12	0.00	0.68	0.37	0.69	0.67	0.29	0.38	0.06	0.98	1.13
State		1														2	3	4		
Hotspot		W1900 ANT1	W1700 ANT1	W850 ANT1	LTE B2 ANT1	LTE B5 ANT1	LTE B7 ANT1	LTE B12 ANT1	LTE B14 ANT1	LTE B30 ANT1	LTE B66 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	1+2	1+3+4
Front	10mm	0.46	0.44	0.20	0.38	0.30	0.40	0.20	0.29	0.66	0.41	0.43	0.04	0.22	0.49	0.31	0.18	0.00	0.97	0.84
Rear	10mm	0.62	1.05	0.29	0.58	0.39	1.19	0.28	0.37	0.69	0.99	0.66	0.04	0.42	0.59	0.26	0.30	0.02	1.45	1.51
Left	10mm	0.17	0.05	0.12	0.11	0.17	0.07	0.13	0.10	0.43	0.00	0.16	0.04	0.06	0.21				0.43	0.43
Right	10mm	0.07	0.11	0.17	0.07	0.23	0.09	0.16	0.24	0.18	0.07	0.08	0.00	0.02	0.10	0.27	0.22	0.00	0.51	0.46
Bottom	10mm	1.26	1.21	0.09	1.19	0.09	1.16	0.05	0.14	0.73	1.27								1.27	1.27
Top	10mm											0.74	0.05	0.70	0.65	0.36	0.44	0.00	1.10	1.18
State		1														2	3	4		
Body-worn		W1900 ANT1	W1700 ANT1	W850 ANT1	LTE B2 ANT1	LTE B5 ANT1	LTE B7 ANT1	LTE B12 ANT1	LTE B14 ANT1	LTE B30 ANT1	LTE B66 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	1+2	1+3+4
Front	15mm	0.36	0.51	0.24	0.40	0.29	0.19	0.11	0.31	0.23	0.47	0.42	0.05	0.26	0.33	0.17	0.30		0.68	0.81
Rear	15mm	0.57	1.04	0.32	0.43	0.36	0.30	0.13	0.37	0.24	0.90	0.66	0.06	0.42	0.37	0.12	0.51		1.16	1.55
State		1														2	3	4		
Limb(10g)		W1900 ANT1	W1700 ANT1	W850 ANT1	LTE B2 ANT1	LTE B5 ANT1	LTE B7 ANT1	LTE B12 ANT1	LTE B14 ANT1	LTE B30 ANT1	LTE B66 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	1+2	1+3+4
Rear	0mm		2.92								2.87					0.91	1.18	0.09	3.83	4.19

The sum of reported SAR values for 5G NR +WiFi

Reported SAR 1g (W/kg)													
State		1							2	3	4	1+2	1+3+4
Head(1g)		N2 ANT1	N5 ANT1	N30 ANT1	N66 ANT1	N77 ANT4	N2 ANT5	N66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6		
Cheek	Left	0.16	0.36	0.25	0.08	0.58	0.39	0.50	0.74	0.68	0.15	1.32	1.41
Tilt	Left	0.16	0.19	0.19	0.07	0.43	0.51	0.52	0.63	0.75	0.12	1.15	1.39
Cheek	Right	0.17	0.40	0.17	0.13	1.24	0.65	0.70	0.29	0.27	0.06	1.53	1.57
Tilt	Right	0.13	0.21	0.14	0.05	0.71	0.71	0.75	0.29	0.38	0.06	1.04	1.19
State		1							2	3	4	1+2	1+3+4
Hotspot		N2 ANT1	N5 ANT1	N30 ANT1	N66 ANT1	N77 ANT4	N2 ANT5	N66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6		
Front	10mm	0.38	0.34	0.45	0.45	0.66	0.48	0.48	0.31	0.18	0.00	0.97	0.84
Rear	10mm	0.50	0.42	0.43	1.00	1.16	0.67	0.79	0.26	0.30	0.02	1.42	1.48
Left	10mm	0.06	0.16	0.15	0.00	0.82	0.19	0.23				0.82	0.82
Right	10mm	0.05	0.24	0.11	0.05	0.09	0.12	0.14	0.27	0.22	0.00	0.51	0.46
Bottom	10mm	1.26	0.10	0.45	1.29						0.00	1.29	1.29
Top	10mm					0.78	0.75	0.50	0.36	0.44		1.14	1.22
State		1							2	3	4	1+2	1+3+4
Body-worn		N2 ANT1	N5 ANT1	N30 ANT1	N66 ANT1	N77 ANT4	N2 ANT5	N66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6		
Front	15mm	0.36	0.31	0.24	0.42	0.27	0.38	0.26	0.17	0.30	0.00	0.59	0.72
Rear	15mm	0.43	0.36	0.20	0.79	0.40	0.60	0.36	0.12	0.51	0.00	0.91	1.30

The sum of reported SAR values for ENDC (N2 ANT1 relative combination)

Reported SAR 1g (W/kg)													
State		1	2				3	4	5	6			
Head		N2 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2	6+3	6+4+5	
Cheek	L	0.16	0.37	0.23	0.27	0.30	0.74	0.68	0.15	0.53	1.27	1.36	
Tilt	L	0.16	0.44	0.24	0.43	0.34	0.63	0.75	0.12	0.60	1.23	1.47	
Cheek	R	0.17	0.54	0.36	0.47	0.40	0.29	0.27	0.06	0.71	1.00	1.04	
Tilt	R	0.13	0.68	0.37	0.69	0.48	0.29	0.38	0.06	0.82	1.11	1.26	
State		1	2				3	4	5	6			
Hotspot		N2 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2	6+3	6+4+5	
Front	10mm	0.25	0.43	0.04	0.22	0.49	0.31	0.18	0.00	0.74	1.05	0.92	
Rear	10mm	0.36	0.66	0.04	0.42	0.59	0.26	0.30	0.02	1.02	1.28	1.34	
Left	10mm	0.08	0.16	0.04	0.06	0.21				0.29	0.29	0.29	
Right	10mm	0.04	0.08	0.00	0.02	0.10	0.27	0.22	0.00	0.14	0.41	0.36	
Bottom	10mm	0.72								0.72	0.72	0.72	
Top	10mm		0.74	0.05	0.70	0.65	0.36	0.44	0.00	0.74	1.10	1.18	
State		1	2				3	4	5	6			
Body-worn		N2 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2	6+3	6+4+5	
Front	15mm	0.36	0.20	0.05	0.26	0.33	0.17	0.30	0.00	0.69	0.86	0.99	
Rear	15mm	0.43	0.33	0.06	0.42	0.37	0.12	0.51	0.00	0.85	0.97	1.36	

The sum of reported SAR values for ENDC (N5 ANT1 relative combination)

Reported SAR 1g (W/kg)											
State		1	2			3	4	5	6		
Head		N5 ANT1	LTE B2 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	**ENDC 1+2**	**6+3**	**6+4+5**
Cheek	L	0.36	0.37	0.27	0.30	0.74	0.68	0.15	0.73	1.47	1.56
Tilt	L	0.19	0.44	0.43	0.34	0.63	0.75	0.12	0.63	1.26	1.50
Cheek	R	0.40	0.54	0.47	0.40	0.29	0.27	0.06	0.94	1.23	1.27
Tilt	R	0.21	0.68	0.69	0.48	0.29	0.38	0.06	0.90	1.19	1.34
State		1	2			3	4	5	6		
Hotspot		N5 ANT1	LTE B2 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	**ENDC 1+2**	**6+3**	**6+4+5**
Front	10mm	0.34	0.43	0.22	0.49	0.31	0.18	0.00	0.83	1.14	1.01
Rear	10mm	0.42	0.66	0.42	0.59	0.26	0.30	0.02	1.08	1.34	1.40
Left	10mm	0.16	0.16	0.06	0.21				0.37	0.37	0.37
Right	10mm	0.24	0.08	0.02	0.10	0.27	0.22	0.00	0.34	0.61	0.56
Bottom	10mm	0.10							0.10	0.10	0.10
Top	10mm		0.74	0.70	0.65	0.36	0.44	0.00	0.74	1.10	1.18
State		1	2			3	4	5	6		
Body-worn		N5 ANT1	LTE B2 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	**ENDC 1+2**	**6+3**	**6+4+5**
Front	15mm	0.31	0.20	0.26	0.33	0.17	0.30	0.00	0.64	0.81	0.94
Rear	15mm	0.36	0.33	0.42	0.37	0.12	0.51	0.00	0.78	0.90	1.29

The sum of reported SAR values for ENDC (N66 ANT1 relative combination)

Reported SAR 1g (W/kg)												
State		1	2				3	4	5	6		
Head		N66 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2	6+3	6+4+5
Cheek	L	0.08	0.37	0.23	0.27	0.30	0.74	0.68	0.15	0.45	1.19	1.28
Tilt	L	0.07	0.44	0.24	0.43	0.34	0.63	0.75	0.12	0.51	1.14	1.38
Cheek	R	0.13	0.54	0.36	0.47	0.40	0.29	0.27	0.06	0.67	0.96	1.00
Tilt	R	0.05	0.68	0.37	0.69	0.48	0.29	0.38	0.06	0.74	1.03	1.18

State		1	2				3	4	5	6		
Hotspot		N66 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2	6+3	6+4+5
Front	10mm	0.22	0.43	0.04	0.22	0.49	0.31	0.18	0.00	0.71	1.02	0.89
Rear	10mm	0.44	0.66	0.04	0.42	0.59	0.26	0.30	0.02	1.10	1.36	1.42
Left	10mm	0.00	0.16	0.04	0.06	0.21				0.21	0.21	0.21
Right	10mm	0.00	0.08	0.00	0.02	0.10	0.27	0.22	0.00	0.10	0.37	0.32
Bottom	10mm	0.64								0.64	0.64	0.64
Top	10mm		0.74	0.05	0.70	0.65	0.36	0.44	0.00	0.74	1.10	1.18

State		1	2				3	4	5	6		
Body-worn		N66 ANT1	LTE B2 ANT5	LTE B12 ANT5	LTE B30 ANT5	LTE B66 ANT5	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2	6+3	6+4+5
Front	15mm	0.32	0.20	0.05	0.26	0.33	0.17	0.30	0.00	0.65	0.82	0.95
Rear	15mm	0.60	0.33	0.06	0.42	0.37	0.12	0.51	0.00	1.02	1.14	1.53

The sum of reported SAR values for ENDC (N77 ANT4 relative combination)

Reported SAR 1g (W/kg)													
State		1	2						3	4	5	6		
Head		N77 ANT4	LTE B2 ANT1	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	LTE B30 ANT1	LTE B66 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2	6+3	6+4+5
Cheek	L	0.29	0.15	0.32	0.22	0.33	0.28	0.06	0.74	0.68	0.15	0.62	1.36	1.45
Tilt	L	0.25	0.15	0.17	0.12	0.17	0.19	0.00	0.63	0.75	0.12	0.44	1.07	1.31
Cheek	R	0.79	0.16	0.36	0.19	0.38	0.17	0.12	0.29	0.27	0.06	1.17	1.46	1.50
Tilt	R	0.41	0.13	0.18	0.14	0.17	0.12	0.00	0.29	0.38	0.06	0.59	0.88	1.03

State		1	2						3	4	5	6		
Hotspot		N77 ANT4	LTE B2 ANT1	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	LTE B30 ANT1	LTE B66 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2	6+3	6+4+5
Front	10mm	0.63	0.28	0.30	0.20	0.29	0.44	0.26	0.31	0.18	0.00	1.07	1.38	1.25
Rear	10mm	0.69	0.47	0.39	0.28	0.37	0.52	0.56	0.26	0.30	0.02	1.25	1.51	1.57
Left	10mm	0.79	0.08	0.17	0.13	0.10	0.26	0.00				1.05	1.05	1.05
Right	10mm	0.08	0.09	0.23	0.16	0.24	0.29	0.05	0.27	0.22	0.00	0.37	0.64	0.59
Bottom	10mm		0.74	0.09	0.05	0.14	0.50	0.72				0.74	0.74	0.74
Top	10mm	0.53							0.36	0.44	0.00	0.53	0.89	0.97

State		1	2						3	4	5	6		
Body-worn		N77 ANT4	LTE B2 ANT1	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	LTE B30 ANT1	LTE B66 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2	6+3	6+4+5
Front	15mm	0.40	0.40	0.29	0.11	0.31	0.23	0.23	0.17	0.30	0.00	0.80	0.97	1.10
Rear	15mm	0.58	0.43	0.36	0.13	0.37	0.24	0.45	0.12	0.51	0.00	1.03	1.15	1.54

The sum of reported SAR values for ENDC (N2 ANT5 relative combination)

Reported SAR 1g (W/kg)										
State		**1**	**2**		**3**	**4**	**5**	**6**		
Head		N2 ANT5	LTE B5 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	**ENDC 1+2**	**6+3**	**6+4+5**
Cheek	L	0.39	0.32	0.33	0.74	0.68	0.15	0.72	1.46	1.55
Tilt	L	0.51	0.17	0.17	0.63	0.75	0.12	0.68	1.31	1.55
Cheek	R	0.65	0.36	0.38	0.29	0.27	0.06	1.03	1.32	1.36
Tilt	R	0.71	0.18	0.17	0.29	0.38	0.06	0.89	1.18	1.33
State		**1**	**2**		**3**	**4**	**5**	**6**		
Hotspot		N2 ANT5	LTE B5 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	**ENDC 1+2**	**6+3**	**6+4+5**
Front	10mm	0.48	0.30	0.29	0.31	0.18	0.00	0.78	1.09	0.96
Rear	10mm	0.67	0.39	0.37	0.26	0.30	0.02	1.06	1.32	1.38
Left	10mm	0.19	0.17	0.10				0.36	0.36	0.36
Right	10mm	0.12	0.23	0.24	0.27	0.22	0.00	0.36	0.63	0.58
Bottom	10mm		0.09	0.14				0.14	0.14	0.14
Top	10mm	0.75			0.36	0.44	0.00	0.75	1.11	1.19
State		**1**	**2**		**3**	**4**	**5**	**6**		
Body-worn		N2 ANT5	LTE B5 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	**ENDC 1+2**	**6+3**	**6+4+5**
Front	15mm	0.38	0.29	0.31	0.17	0.30	0.00	0.69	0.86	0.99
Rear	15mm	0.60	0.36	0.37	0.12	0.51	0.00	0.97	1.09	1.48

The sum of reported SAR values for ENDC (N66 ANT5 relative combination)

Reported SAR 1g (W/kg)									
State		**1**	**2**	**3**	**4**	**5**	**6**		
Head		N66 ANT5	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	**ENDC 1+2**	**6+3**	**6+4+5**
Cheek	L	0.38	0.33	0.74	0.68	0.15	0.71	1.45	1.54
Tilt	L	0.39	0.17	0.63	0.75	0.12	0.56	1.19	1.43
Cheek	R	0.52	0.38	0.29	0.27	0.06	0.90	1.19	1.23
Tilt	R	0.56	0.17	0.29	0.38	0.06	0.73	1.02	1.17
State		**1**	**2**	**3**	**4**	**5**	**6**		
Hotspot		N66 ANT5	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	**ENDC 1+2**	**6+3**	**6+4+5**
Front	10mm	0.48	0.29	0.31	0.18	0.00	0.77	1.08	0.95
Rear	10mm	0.79	0.37	0.26	0.30	0.02	1.16	1.42	1.48
Left	10mm	0.23	0.10				0.33	0.33	0.33
Right	10mm	0.14	0.24	0.27	0.22	0.00	0.38	0.65	0.60
Bottom	10mm		0.14				0.14	0.14	0.14
Top	10mm	0.50		0.36	0.44	0.00	0.50	0.86	0.94
State		**1**	**2**	**3**	**4**	**5**	**6**		
Body-worn		N66 ANT5	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	**ENDC 1+2**	**6+3**	**6+4+5**
Front	15mm	0.26	0.31	0.17	0.30	0.00	0.57	0.74	0.87
Rear	15mm	0.36	0.37	0.12	0.51	0.00	0.73	0.85	1.24

The sum of reported SAR values for ULCA (LTE B2 ANT5 relative combination)

Reported SAR 10g (W/kg)											
State		1	2			3	4	5	6	6+3	6+4+5
Head		LTE B2 ANT5	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2		
Cheek	L	0.37	0.32	0.22	0.33	0.74	0.68	0.15	0.70	1.44	1.53
Tilt	L	0.44	0.17	0.12	0.17	0.63	0.75	0.12	0.61	1.24	1.48
Cheek	R	0.54	0.36	0.19	0.38	0.29	0.27	0.06	0.92	1.21	1.25
Tilt	R	0.68	0.18	0.14	0.17	0.29	0.38	0.06	0.86	1.15	1.30
State		1	2			3	4	5	6	6+3	6+4+5
Hotspot		LTE B2 ANT5	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2		
Front	10mm	0.43	0.30	0.20	0.29	0.31	0.18	0.00	0.73	1.04	0.91
Rear	10mm	0.66	0.39	0.28	0.37	0.26	0.30	0.02	1.05	1.31	1.37
Left	10mm	0.16	0.17	0.13	0.10				0.33	0.33	0.33
Right	10mm	0.08	0.23	0.16	0.24	0.27	0.22	0.00	0.32	0.59	0.54
Bottom	10mm		0.09	0.05	0.14				0.14	0.14	0.14
Top	10mm	0.74				0.36	0.44	0.00	0.74	1.10	1.18
State		1	2			3	4	5	6	6+3	6+4+5
Body-worn		LTE B2 ANT5	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2		
Front	15mm	0.42	0.29	0.11	0.31	0.17	0.30	0.00	0.73	0.90	1.03
Rear	15mm	0.66	0.36	0.13	0.37	0.12	0.51	0.00	1.03	1.15	1.54

The sum of reported SAR values for ULCA (LTE B30 ANT5 relative combination)

Reported SAR 10g (W/kg)											
State		1	2			3	4	5	6	6+3	6+4+5
Head		LTE B30 ANT5	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2		
Cheek	L	0.27	0.32	0.22	0.33	0.74	0.68	0.15	0.60	1.34	1.43
Tilt	L	0.43	0.17	0.12	0.17	0.63	0.75	0.12	0.60	1.23	1.47
Cheek	R	0.47	0.36	0.19	0.38	0.29	0.27	0.06	0.85	1.14	1.18
Tilt	R	0.69	0.18	0.14	0.17	0.29	0.38	0.06	0.87	1.16	1.31
State		1	2			3	4	5	6	6+3	6+4+5
Hotspot		LTE B30 ANT5	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2		
Front	10mm	0.22	0.30	0.20	0.29	0.31	0.18	0.00	0.52	0.83	0.70
Rear	10mm	0.42	0.39	0.28	0.37	0.26	0.30	0.02	0.81	1.07	1.13
Left	10mm	0.06	0.17	0.13	0.10				0.23	0.23	0.23
Right	10mm	0.02	0.23	0.16	0.24	0.27	0.22	0.00	0.26	0.53	0.48
Bottom	10mm		0.09	0.05	0.14				0.14	0.14	0.14
Top	10mm	0.70				0.36	0.44	0.00	0.70	1.06	1.14
State		1	2			3	4	5	6	6+3	6+4+5
Body-worn		LTE B30 ANT5	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2		
Front	15mm	0.26	0.29	0.11	0.31	0.17	0.30	0.00	0.57	0.74	0.87
Rear	15mm	0.42	0.36	0.13	0.37	0.12	0.51	0.00	0.79	0.91	1.30

The sum of reported SAR values for ULCA (LTE B60 ANT5 relative combination)

Reported SAR 10g (W/kg)											
State		1	2			3	4	5	6	6+3	6+4+5
Head		LTE B66 ANT5	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2		
Cheek	L	0.30	0.32	0.22	0.33	0.74	0.68	0.15	0.63	1.37	1.46
Tilt	L	0.34	0.17	0.12	0.17	0.63	0.75	0.12	0.51	1.14	1.38
Cheek	R	0.40	0.36	0.19	0.38	0.29	0.27	0.06	0.78	1.07	1.11
Tilt	R	0.48	0.18	0.14	0.17	0.29	0.38	0.06	0.66	0.95	1.10
State		1	2			3	4	5	6	6+3	6+4+5
Hotspot		LTE B66 ANT5	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2		
Front	10mm	0.49	0.30	0.20	0.29	0.31	0.18	0.00	0.79	1.10	0.97
Rear	10mm	0.59	0.39	0.28	0.37	0.26	0.30	0.02	0.98	1.24	1.30
Left	10mm	0.21	0.17	0.13	0.10				0.38	0.38	0.38
Right	10mm	0.10	0.23	0.16	0.24	0.27	0.22	0.00	0.34	0.61	0.56
Bottom	10mm		0.09	0.05	0.14				0.14	0.14	0.14
Top	10mm	0.65				0.36	0.44	0.00	0.65	1.01	1.09
State		1	2			3	4	5	6	6+3	6+4+5
Body-worn		LTE B66 ANT5	LTE B5 ANT1	LTE B12 ANT1	LTE B14 ANT1	WiFi 2.4G ANT6	WiFi 5G ANT6	BT ANT6	ENDC 1+2		
Front	15mm	0.33	0.29	0.11	0.31	0.17	0.30	0.00	0.64	0.81	0.94
Rear	15mm	0.37	0.36	0.13	0.37	0.12	0.51	0.00	0.74	0.86	1.25

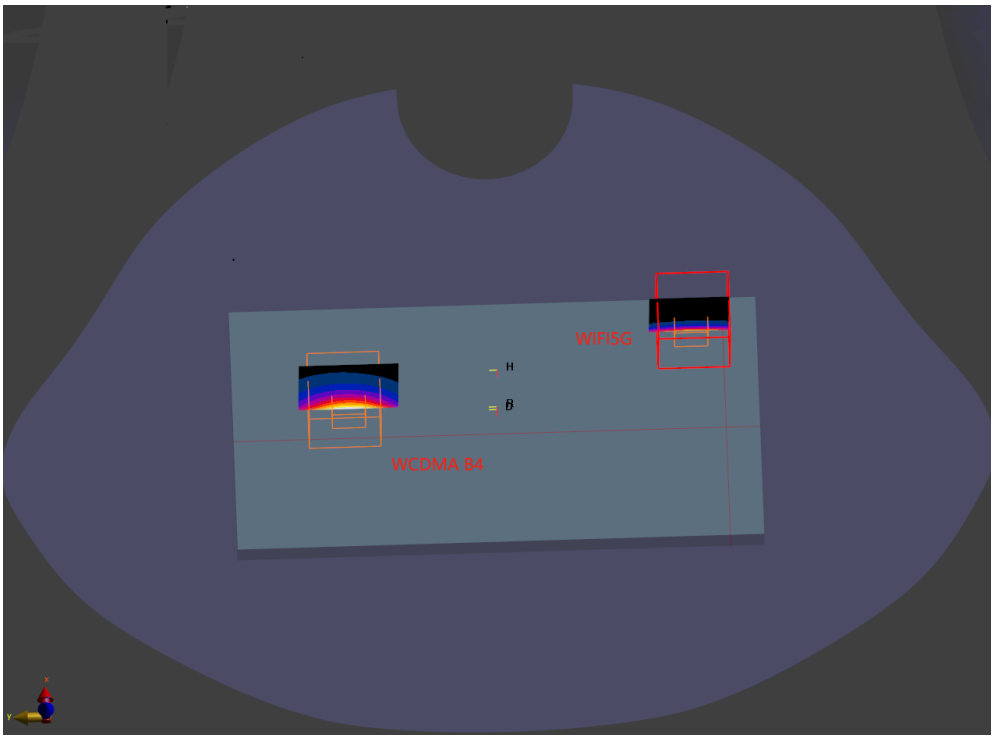
Conclusion:

According to the above tables, the sum of reported SAR values is<1.6W/kg. So the simultaneous transmission SAR with volume scans is not required.

According to the KDB 447498 D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio. The ratio is determined by (SAR1 + SAR2)$^{1.5}$/Ri, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion. When 10-g SAR applies, the ratio must be ≤ 0.10. SAR1 and SAR2 are the highest reported or estimated SAR values for each antenna in the pair, and Ri is the separation distance in mm between the peak SAR locations for the antenna pair.

Table 13.1: The evaluation procedure for SPLSR of WWAN + WiFi (Limb SAR 10g)

	Position	Band	Main antenna	WiFi5G +BT	Sum	Distance (mm)	Ratio	Limit
Highest reported SAR value for Phablet	Rear 0mm	W1700	2.92	1.27	**4.19**	148	0.06	0.10
	Rear 0mm	LTE B66	2.87	1.27	**4.14**	154	0.05	0.10



Picture 13.1 SAR location for WCDMA1700 and WiFi 5G Body (Rear 0mm)

14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom. The distance is 10 mm and just applied to the condition of body worn accessory.

It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-g SAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or more than 1.2W/kg.

The calculated SAR is obtained by the following formula:

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

Where P_{Target} is the power of manufacturing upper limit;

$P_{Measured}$ is the measured power in chapter 11.

Table 14.1: Duty Cycle

Mode	Duty Cycle
WCDMA&LTE FDD&NR FDD	1:1
NR TDD	1:1.74 or 1:1.27

14.1 SAR results for 3G/4G

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	Head	WCDMA1900	9400	1880	RMC	Cheek Left	0mm	\	23.39	24	0.113	**0.13**	0.073	**0.08**	0.16
1	Head	WCDMA1900	9400	1880	RMC	Tilt Left	0mm	\	23.39	24	0.126	**0.15**	0.077	**0.09**	0.17
1	Head	WCDMA1900	9538	1907.6	RMC	Cheek Right	0mm	\	23.27	24	0.119	**0.14**	0.077	**0.09**	-0.09
1	Head	WCDMA1900	9400	1880	RMC	Cheek Right	0mm	1	23.39	24	0.129	**0.15**	0.079	**0.09**	-0.04
1	Head	WCDMA1900	9262	1852.4	RMC	Cheek Right	0mm	\	23.26	24	0.121	**0.14**	0.078	**0.09**	-0.01
1	Head	WCDMA1900	9400	1880	RMC	Tilt Right	0mm	\	23.39	24	0.118	**0.14**	0.074	**0.09**	-0.07
1	Body	WCDMA1900	9400	1880	RMC	Front	10mm	\	20.57	21.5	0.375	**0.46**	0.221	**0.27**	-0.08
1	Body	WCDMA1900	9400	1880	RMC	Rear	10mm	\	20.57	21.5	0.501	**0.62**	0.28	**0.35**	0.14
1	Body	WCDMA1900	9400	1880	RMC	Left	10mm	\	20.57	21.5	0.135	**0.17**	0.083	**0.10**	0.02
1	Body	WCDMA1900	9400	1880	RMC	Right	10mm	\	20.57	21.5	0.057	**0.07**	0.035	**0.04**	-0.08
1	Body	WCDMA1900	9538	1907.6	RMC	Bottom	10mm	\	20.52	21.5	0.801	**1.00**	0.439	**0.55**	0.11
1	Body	WCDMA1900	9400	1880	RMC	Bottom	10mm	\	20.57	21.5	0.927	**1.15**	0.509	**0.63**	0.05
1	Body	WCDMA1900	9262	1852.4	RMC	Bottom	10mm	2	20.53	21.5	1.01	**1.26**	0.551	**0.69**	0.03
1	Body	WCDMA1900	9400	1880	RMC	Front	15mm	\	22.96	23.5	0.322	**0.36**	0.193	**0.22**	0.13
1	Body	WCDMA1900	9538	1907.6	RMC	Rear	15mm	\	22.82	23.5	0.307	**0.36**	0.185	**0.22**	-0.08
1	Body	WCDMA1900	9400	1880	RMC	Rear	15mm	\	22.96	23.5	0.372	**0.42**	0.221	**0.25**	0.01
1	Body	WCDMA1900	9262	1852.4	RMC	Rear	15mm	3	22.69	23.5	0.473	**0.57**	0.28	**0.34**	0.11
1	Head	WCDMA 1700	1412	1732.4	RMC	Cheek Left	0mm	\	23.25	24	<0.01	<0.01	<0.01	<0.01	\
1	Head	WCDMA 1700	1412	1732.4	RMC	Tilt Left	0mm	\	23.25	24	<0.01	<0.01	<0.01	<0.01	\
1	Head	WCDMA 1700	1513	1752.6	RMC	Cheek Right	0mm	4	23.21	24	0.122	**0.15**	0.08	**0.10**	0.08
1	Head	WCDMA 1700	1412	1732.4	RMC	Cheek Right	0mm	\	23.25	24	0.08	**0.10**	0.048	**0.06**	0.05
1	Head	WCDMA 1700	1312	1712.4	RMC	Cheek Right	0mm	\	23.22	24	0.064	**0.08**	0.032	**0.04**	-0.09
1	Head	WCDMA 1700	1412	1732.4	RMC	Tilt Right	0mm	\	23.25	24	<0.01	<0.01	<0.01	<0.01	\
1	Body	WCDMA1700	1412	1732.5	RMC	Front	10mm	\	19.69	20.5	0.367	**0.44**	0.215	**0.26**	-0.1
1	Body	WCDMA1700	1513	1752.6	RMC	Rear	10mm	\	19.57	20.5	0.834	**1.03**	0.471	**0.58**	0.09
1	Body	WCDMA1700	1412	1732.5	RMC	Rear	10mm	\	19.69	20.5	0.873	**1.05**	0.485	**0.58**	-0.03
1	Body	WCDMA1700	1312	1712.4	RMC	Rear	10mm	\	19.65	20.5	0.856	**1.04**	0.478	**0.58**	-0.07
1	Body	WCDMA1700	1412	1732.5	RMC	Left	10mm	\	19.69	20.5	0.043	**0.05**	0.029	**0.03**	0.16
1	Body	WCDMA1700	1412	1732.5	RMC	Right	10mm	\	19.69	20.5	0.094	**0.11**	0.059	**0.07**	-0.17
1	Body	WCDMA1700	1513	1752.6	RMC	Bottom	10mm	\	19.57	20.5	0.94	**1.16**	0.517	**0.64**	-0.18
1	Body	WCDMA1700	1412	1732.5	RMC	Bottom	10mm	\	19.69	20.5	0.972	**1.17**	0.535	**0.64**	-0.16
1	Body	WCDMA1700	1312	1712.4	RMC	Bottom	10mm	5	19.65	20.5	0.991	**1.21**	0.546	**0.66**	0.01
1	Body	WCDMA1700	1412	1732.5	RMC	Front	15mm	\	22.18	23	0.421	**0.51**	0.256	**0.31**	-0.07
1	Body	WCDMA1700	1513	1752.6	RMC	Rear	15mm	\	22.14	23	0.783	**0.95**	0.46	**0.56**	-0.14
1	Body	WCDMA1700	1412	1732.5	RMC	Rear	15mm	\	22.18	23	0.827	**1.00**	0.477	**0.58**	-0.12
1	Body	WCDMA1700	1312	1712.4	RMC	Rear	15mm	6	22.2	23	0.864	**1.04**	0.505	**0.61**	-0.03
1	Head	WCDMA 850	4183	836.6	RMC	Cheek Left	0mm	\	23.31	24	0.269	**0.32**	0.194	**0.23**	-0.12
1	Head	WCDMA 850	4183	836.6	RMC	Tilt Left	0mm	\	23.31	24	0.145	**0.17**	0.108	**0.13**	0.07
1	Head	WCDMA 850	4233	846.6	RMC	Cheek Right	0mm	\	23.24	24	0.264	**0.31**	0.192	**0.23**	-0.18
1	Head	WCDMA 850	4183	836.6	RMC	Cheek Right	0mm	7	23.31	24	0.272	**0.32**	0.197	**0.23**	0.08
1	Head	WCDMA 850	4132	826.4	RMC	Cheek Right	0mm	\	23.22	24	0.248	**0.30**	0.179	**0.21**	0.16
1	Head	WCDMA 850	4183	836.6	RMC	Tilt Right	0mm	\	23.31	24	0.149	**0.17**	0.111	**0.13**	0.09
1	Body	WCDMA 850	4183	836.6	Front 10mm	Front	10mm	\	23.31	24	0.169	**0.20**	0.104	**0.12**	0.14
1	Body	WCDMA 850	4233	846.6	Rear 10mm	Rear	10mm	8	23.24	24	0.247	**0.29**	0.149	**0.18**	-0.01
1	Body	WCDMA 850	4183	836.6	Rear 10mm	Rear	10mm	\	23.31	24	0.217	**0.25**	0.133	**0.16**	0.07
1	Body	WCDMA 850	4132	826.4	Rear 10mm	Rear	10mm	\	23.22	24	0.222	**0.27**	0.135	**0.16**	0.03
1	Body	WCDMA 850	4183	836.6	Left Edge 10mm	Left	10mm	\	23.31	24	0.106	**0.12**	0.058	**0.07**	-0.08
1	Body	WCDMA 850	4183	836.6	Right Edge 10mm	Right	10mm	\	23.31	24	0.148	**0.17**	0.082	**0.10**	0.18
1	Body	WCDMA 850	4183	836.6	Bottom Edge 10mm	Bottom	10mm	\	23.31	24	0.075	**0.09**	0.034	**0.04**	0.05
1	Body	WCDMA 850	4183	836.6	Front 15mm	Front	15mm	\	23.31	24	0.209	**0.24**	0.158	**0.19**	0.01
1	Body	WCDMA 850	4233	846.6	Rear 15mm	Rear	15mm	9	23.24	24	0.271	**0.32**	0.205	**0.24**	-0.02
1	Body	WCDMA 850	4183	836.6	Rear 15mm	Rear	15mm	\	23.31	24	0.243	**0.28**	0.183	**0.21**	-0.05
1	Body	WCDMA 850	4132	826.4	Rear 15mm	Rear	15mm	\	23.22	24	0.235	**0.28**	0.179	**0.21**	0.12

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	Head	LTE Band2	18900	1880	1RB-Middle	Cheek Left	0mm	\	24.13	24.5	0.139	**0.15**	0.091	**0.10**	0.09
1	Head	LTE Band2	18900	1880	1RB-Middle	Tilt Left	0mm	\	24.13	24.5	0.14	**0.15**	0.089	**0.10**	-0.07
1	Head	LTE Band2	18900	1880	1RB-Middle	Cheek Right	0mm	10	24.13	24.5	0.147	**0.16**	0.096	**0.10**	0.05
1	Head	LTE Band2	18900	1880	1RB-Middle	Tilt Right	0mm	\	24.13	24.5	0.121	**0.13**	0.077	**0.08**	-0.07
1	Head	LTE Band2	18900	1880	50RB-Low	Cheek Left	0mm	\	23.07	23.5	0.102	**0.11**	0.068	**0.08**	-0.12
1	Head	LTE Band2	18900	1880	50RB-Low	Tilt Left	0mm	\	23.07	23.5	0.11	**0.12**	0.07	**0.08**	-0.03
1	Head	LTE Band2	18900	1880	50RB-Low	Cheek Right	0mm	\	23.07	23.5	0.112	**0.12**	0.074	**0.08**	0.12
1	Head	LTE Band2	18900	1880	50RB-Low	Tilt Right	0mm	\	23.07	23.5	0.096	**0.11**	0.061	**0.07**	0.17
1	Body	LTE Band2	18900	1880	1RB-Low	Front	10mm	\	20.72	21.5	0.316	**0.38**	0.179	**0.21**	-0.09
1	Body	LTE Band2	18900	1880	1RB-Low	Rear	10mm	\	20.72	21.5	0.481	**0.58**	0.259	**0.31**	0.08
1	Body	LTE Band2	18900	1880	1RB-Low	Left	10mm	\	20.72	21.5	0.088	**0.11**	0.053	**0.06**	-0.06
1	Body	LTE Band2	18900	1880	1RB-Low	Right	10mm	\	20.72	21.5	0.06	**0.07**	0.035	**0.04**	-0.13
1	Body	LTE Band2	18700	1860	1RB-Low	Bottom	10mm	\	20.69	21.5	0.916	**1.10**	0.489	**0.59**	-0.03
1	Body	LTE Band2	18900	1880	1RB-Low	Bottom	10mm	11	20.72	21.5	0.996	**1.19**	0.541	**0.65**	0.11
1	Body	LTE Band2	19100	1900	1RB-Low	Bottom	10mm	\	20.68	21.5	0.778	**0.94**	0.41	**0.50**	0.03
1	Body	LTE Band2	18900	1880	100RB	Bottom	10mm	\	19.75	20.5	0.846	**1.01**	0.452	**0.54**	0.06
1	Body	LTE Band2	18900	1880	50RB-Low	Front	10mm	\	19.78	20.5	0.246	**0.29**	0.142	**0.17**	-0.06
1	Body	LTE Band2	18900	1880	50RB-Low	Rear	10mm	\	19.78	20.5	0.381	**0.45**	0.201	**0.24**	-0.04
1	Body	LTE Band2	18900	1880	50RB-Low	Left	10mm	\	19.78	20.5	0.063	**0.07**	0.037	**0.04**	0.18
1	Body	LTE Band2	18900	1880	50RB-Low	Right	10mm	\	19.78	20.5	0.054	**0.06**	0.031	**0.04**	0.05
1	Body	LTE Band2	18700	1860	50RB-Low	Bottom	10mm	\	19.75	20.5	0.769	**0.91**	0.406	**0.48**	-0.05
1	Body	LTE Band2	18900	1880	50RB-Low	Bottom	10mm	\	19.78	20.5	0.836	**0.99**	0.449	**0.53**	0.05
1	Body	LTE Band2	19100	1900	50RB-Low	Bottom	10mm	\	19.75	20.5	0.653	**0.78**	0.34	**0.40**	0.14
1	Body	LTE Band2	18900	1880	1RB-Low	Front	10mm	Note1	18.8	19.5	0.242	**0.28**	0.139	**0.16**	0.03
1	Body	LTE Band2	18900	1880	1RB-Low	Rear	10mm	Note1	18.8	19.5	0.404	**0.47**	0.215	**0.25**	-0.02
1	Body	LTE Band2	18900	1880	1RB-Low	Left	10mm	Note1	18.8	19.5	0.068	**0.08**	0.037	**0.04**	0.13
1	Body	LTE Band2	18900	1880	1RB-Low	Right	10mm	Note1	18.8	19.5	0.074	**0.09**	0.045	**0.05**	-0.16
1	Body	LTE Band2	18900	1880	1RB-Low	Bottom	10mm	Note1	18.8	19.5	0.634	**0.74**	0.345	**0.41**	-0.01
1	Body	LTE Band2	18900	1880	50RB-Mid	Front	10mm	Note1	17.75	18.5	0.183	**0.22**	0.105	**0.12**	-0.12
1	Body	LTE Band2	18900	1880	50RB-Mid	Rear	10mm	Note1	17.75	18.5	0.311	**0.37**	0.162	**0.19**	-0.02
1	Body	LTE Band2	18900	1880	50RB-Mid	Left	10mm	Note1	17.75	18.5	0.059	**0.07**	0.034	**0.04**	0.14
1	Body	LTE Band2	18900	1880	50RB-Mid	Right	10mm	Note1	17.75	18.5	0.044	**0.05**	0.025	**0.03**	0.05
1	Body	LTE Band2	18900	1880	50RB-Mid	Bottom	10mm	Note1	17.75	18.5	0.462	**0.55**	0.24	**0.29**	-0.11
1	Body	LTE Band2	18900	1880	1RB-High	Front	15mm	\	22.69	23	0.369	**0.40**	0.216	**0.23**	0.08
1	Body	LTE Band2	18900	1880	1RB-High	Rear	15mm	12	22.69	23	0.399	**0.43**	0.234	**0.25**	-0.02
1	Body	LTE Band2	18900	1880	50RB-Low	Front	15mm	\	21.65	22	0.28	**0.30**	0.165	**0.18**	0.06
1	Body	LTE Band2	18900	1880	50RB-Low	Rear	15mm	\	21.65	22	0.326	**0.35**	0.191	**0.21**	-0.12
1	Head	LTE Band5	20450	829	1RB-Low	Cheek Left	0mm	\	24.31	25	0.271	**0.32**	0.199	**0.23**	0.13
1	Head	LTE Band5	20450	829	1RB-Low	Tilt Left	0mm	\	24.31	25	0.147	**0.17**	0.109	**0.13**	0.09
1	Head	LTE Band5	20450	829	1RB-Low	Cheek Right	0mm	13	24.31	25	0.311	**0.36**	0.24	**0.28**	-0.11
1	Head	LTE Band5	20450	829	1RB-Low	Tilt Right	0mm	\	24.31	25	0.152	**0.18**	0.115	**0.13**	-0.03
1	Head	LTE Band5	20450	829	25RB-High	Cheek Left	0mm	\	23.26	24	0.229	**0.27**	0.167	**0.20**	-0.1
1	Head	LTE Band5	20450	829	25RB-High	Tilt Left	0mm	\	23.26	24	0.127	**0.15**	0.094	**0.11**	0.04
1	Head	LTE Band5	20450	829	25RB-High	Cheek Right	0mm	\	23.26	24	0.263	**0.31**	0.19	**0.23**	0.05
1	Head	LTE Band5	20450	829	25RB-High	Tilt Right	0mm	\	23.26	24	0.135	**0.16**	0.101	**0.12**	0.07
1	Body	LTE Band5	20450	829	1RB-Low	Front	10mm	\	24.31	25	0.253	**0.30**	0.183	**0.21**	0.14
1	Body	LTE Band5	20450	829	1RB-Low	Rear	10mm	14	24.31	25	0.336	**0.39**	0.255	**0.30**	0.01
1	Body	LTE Band5	20450	829	1RB-Low	Left	10mm	\	24.31	25	0.144	**0.17**	0.095	**0.11**	-0.08
1	Body	LTE Band5	20450	829	1RB-Low	Right	10mm	\	24.31	25	0.192	**0.23**	0.127	**0.15**	-0.04
1	Body	LTE Band5	20450	829	1RB-Low	Bottom	10mm	\	24.31	25	0.074	**0.09**	0.043	**0.05**	-0.04
1	Body	LTE Band5	20450	829	25RB-High	Front	10mm	\	23.26	24	0.221	**0.26**	0.16	**0.19**	0.09
1	Body	LTE Band5	20450	829	25RB-High	Rear	10mm	\	23.26	24	0.291	**0.35**	0.209	**0.25**	0.16
1	Body	LTE Band5	20450	829	25RB-High	Left	10mm	\	23.26	24	0.115	**0.14**	0.075	**0.09**	-0.02
1	Body	LTE Band5	20450	829	25RB-High	Right	10mm	\	23.26	24	0.21	**0.25**	0.138	**0.16**	0.05
1	Body	LTE Band5	20450	829	25RB-High	Bottom	10mm	\	23.26	24	0.069	**0.08**	0.037	**0.04**	-0.09
1	Body	LTE Band5	20450	829	1RB-Low	Front	15mm	\	24.31	25	0.251	**0.29**	0.183	**0.21**	-0.09
1	Body	LTE Band5	20450	829	1RB-Low	Rear	15mm	15	24.31	25	0.303	**0.36**	0.228	**0.27**	0.02
1	Body	LTE Band5	20450	829	25RB-High	Front	15mm	\	23.26	24	0.205	**0.24**	0.148	**0.18**	0.12
1	Body	LTE Band5	20450	829	25RB-High	Rear	15mm	\	23.26	24	0.245	**0.29**	0.177	**0.21**	-0.1

Note1: The results are only for DSI8.

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	Head	LTE Band7	21350	2560	1RB-Low	Cheek Left	0mm	16	23.24	23.5	0.061	**0.06**	0.035	**0.04**	-0.05
1	Head	LTE Band7	21350	2560	1RB-Low	Tilt Left	0mm	\	23.24	23.5	0.039	**0.04**	0.022	**0.02**	0.17
1	Head	LTE Band7	21350	2560	1RB-Low	Cheek Right	0mm	\	23.24	23.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band7	21350	2560	1RB-Low	Tilt Right	0mm	\	23.24	23.5	0.055	**0.06**	0.03	**0.03**	0.14
1	Head	LTE Band7	21350	2560	50RB-Low	Cheek Left	0mm	\	22.29	22.5	0.056	**0.06**	0.031	**0.03**	0.14
1	Head	LTE Band7	21350	2560	50RB-Low	Tilt Left	0mm	\	22.29	22.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band7	21350	2560	50RB-Low	Cheek Right	0mm	\	22.29	22.5	0.042	**0.04**	0.023	**0.02**	-0.15
1	Head	LTE Band7	21350	2560	50RB-Low	Tilt Right	0mm	\	22.29	22.5	0.045	**0.05**	0.016	**0.02**	0.02
1	Body	LTE Band7	21350	2560	1RB-Low	Front	10mm	\	23.3	23.5	0.38	**0.40**	0.198	**0.21**	0.11
1	Body	LTE Band7	21350	2560	1RB-Low	Rear	10mm	\	23.3	23.5	0.934	**0.98**	0.414	**0.43**	-0.14
1	Body	LTE Band7	21100	2535	1RB-Low	Rear	10mm	\	23.3	23.5	0.942	**0.99**	0.421	**0.44**	0.18
1	Body	LTE Band7	20850	2510	1RB-Low	Rear	10mm	17	23.3	23.5	1.14	**1.19**	0.504	**0.53**	0.02
1	Body	LTE Band7	21350	2560	1RB-Low	Left	10mm	\	23.3	23.5	0.063	**0.07**	0.036	**0.04**	0.01
1	Body	LTE Band7	21350	2560	1RB-Low	Right	10mm	\	23.3	23.5	0.085	**0.09**	0.048	**0.05**	0.12
1	Body	LTE Band7	21350	2560	1RB-Low	Bottom	10mm	\	23.3	23.5	0.706	**0.74**	0.329	**0.34**	-0.13
1	Body	LTE Band7	21100	2535	1RB-High	Bottom	10mm	\	23.21	23.5	0.77	**0.82**	0.346	**0.37**	-0.18
1	Body	LTE Band7	20850	2510	1RB-Low	Bottom	10mm	\	23.22	23.5	1.09	**1.16**	0.482	**0.51**	0.11
1	Body	LTE Band7	20850	2510	100RB	Bottom	10mm	\	22.25	22.5	0.752	**0.80**	0.351	**0.37**	-0.08
1	Body	LTE Band7	21350	2560	50RB-Low	Front	10mm	\	22.29	22.5	0.295	**0.31**	0.152	**0.16**	0.11
1	Body	LTE Band7	21350	2560	50RB-Low	Rear	10mm	\	22.29	22.5	0.753	**0.79**	0.332	**0.35**	0.13
1	Body	LTE Band7	21350	2560	50RB-Low	Left	10mm	\	22.29	22.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band7	21350	2560	50RB-Low	Right	10mm	\	22.29	22.5	0.06	**0.06**	0.035	**0.04**	-0.18
1	Body	LTE Band7	21350	2560	50RB-Low	Bottom	10mm	\	22.29	22.5	0.531	**0.56**	0.242	**0.25**	0.04
1	Body	LTE Band7	21350	2560	1RB-Low	Front	10mm	Note1	21.23	22.5	0.265	**0.36**	0.134	**0.18**	-0.06
1	Body	LTE Band7	21350	2560	1RB-Low	Rear	10mm	Note1	21.23	22.5	0.464	**0.62**	0.223	**0.30**	0.1
1	Body	LTE Band7	21350	2560	1RB-Low	Left	10mm	Note1	21.23	22.5	0.053	**0.07**	0.029	**0.04**	-0.09
1	Body	LTE Band7	21350	2560	1RB-Low	Right	10mm	Note1	21.23	22.5	0.063	**0.08**	0.034	**0.05**	0.13
1	Body	LTE Band7	21350	2560	1RB-Low	Bottom	10mm	Note1	21.23	22.5	0.533	**0.71**	0.238	**0.32**	0.01
1	Body	LTE Band7	21350	2560	50RB-Mid	Front	10mm	Note1	20.08	21.5	0.211	**0.29**	0.108	**0.15**	0.11
1	Body	LTE Band7	21350	2560	50RB-Mid	Rear	10mm	Note1	20.08	21.5	0.361	**0.50**	0.166	**0.23**	0.12
1	Body	LTE Band7	21350	2560	50RB-Mid	Left	10mm	Note1	20.08	21.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band7	21350	2560	50RB-Mid	Right	10mm	Note1	20.08	21.5	0.043	**0.06**	0.023	**0.03**	-0.15
1	Body	LTE Band7	21350	2560	50RB-Mid	Bottom	10mm	Note1	20.08	21.5	0.383	**0.53**	0.173	**0.24**	0.18
1	Body	LTE Band7	21350	2560	1RB-Low	Front	15mm	\	23.24	23.5	0.178	**0.19**	0.095	**0.10**	0.11
1	Body	LTE Band7	21350	2560	1RB-Low	Rear	15mm	18	23.24	23.5	0.279	**0.30**	0.138	**0.15**	-0.19
1	Body	LTE Band7	21350	2560	50RB-Low	Front	15mm	\	22.29	22.5	0.138	**0.14**	0.073	**0.08**	-0.09
1	Body	LTE Band7	21350	2560	50RB-Low	Rear	15mm	\	22.29	22.5	0.216	**0.23**	0.106	**0.11**	-0.07
1	Head	LTE Band12	23095	707.5	1RB-Low	Cheek Left	0mm	19	23.55	24	0.2	**0.22**	0.157	**0.17**	0.08
1	Head	LTE Band12	23095	707.5	1RB-Low	Tilt Left	0mm	\	23.55	24	0.11	**0.12**	0.089	**0.10**	-0.11
1	Head	LTE Band12	23095	707.5	1RB-Low	Cheek Right	0mm	\	23.55	24	0.17	**0.19**	0.1330	**0.15**	0.07
1	Head	LTE Band12	23095	707.5	1RB-Low	Tilt Right	0mm	\	23.55	24	0.13	**0.14**	0.105	**0.12**	0.09
1	Head	LTE Band12	23095	707.5	25RB-Low	Cheek Left	0mm	\	22.39	23	0.157	**0.18**	0.123	**0.14**	-0.05
1	Head	LTE Band12	23095	707.5	25RB-Low	Tilt Left	0mm	\	22.39	23	0.088	**0.10**	0.071	**0.08**	0.1
1	Head	LTE Band12	23095	707.5	25RB-Low	Cheek Right	0mm	\	22.39	23	0.181	**0.21**	0.144	**0.17**	0.07
1	Head	LTE Band12	23095	707.5	25RB-Low	Tilt Right	0mm	\	22.39	23	0.103	**0.12**	0.083	**0.10**	-0.12
1	Body	LTE Band12	23095	707.5	1RB-Low	Front	10mm	\	23.55	24	0.181	**0.20**	0.139	**0.15**	0.08
1	Body	LTE Band12	23095	707.5	1RB-Low	Rear	10mm	20	23.55	24	0.254	**0.28**	0.196	**0.22**	-0.04
1	Body	LTE Band12	23095	707.5	1RB-Low	Left	10mm	\	23.55	24	0.117	**0.13**	0.081	**0.09**	-0.03
1	Body	LTE Band12	23095	707.5	1RB-Low	Right	10mm	\	23.55	24	0.143	**0.16**	0.1	**0.11**	0.07
1	Body	LTE Band12	23095	707.5	1RB-Low	Bottom	10mm	\	23.55	24	0.048	**0.05**	0.025	**0.03**	-0.06
1	Body	LTE Band12	23095	707.5	25RB-Low	Front	10mm	\	22.39	23	0.138	**0.16**	0.107	**0.12**	0.15
1	Body	LTE Band12	23095	707.5	25RB-Low	Rear	10mm	\	22.39	23	0.197	**0.23**	0.151	**0.17**	0.14
1	Body	LTE Band12	23095	707.5	25RB-Low	Left	10mm	\	22.39	23	0.088	**0.10**	0.062	**0.07**	-0.1
1	Body	LTE Band12	23095	707.5	25RB-Low	Right	10mm	\	22.39	23	0.114	**0.13**	0.079	**0.09**	-0.07
1	Body	LTE Band12	23095	707.5	25RB-Low	Bottom	10mm	\	22.39	23	0.036	**0.04**	0.019	**0.02**	-0.14
1	Body	LTE Band12	23095	707.5	1RB-Low	Front	15mm	\	23.55	24	0.095	**0.11**	0.068	**0.08**	0.13
1	Body	LTE Band12	23095	707.5	1RB-Low	Rear	15mm	21	23.55	24	0.12	**0.13**	0.086	**0.10**	0.01
1	Body	LTE Band12	23095	707.5	25RB-Low	Front	15mm	\	22.39	23	0.075	**0.09**	0.054	**0.06**	0.02
1	Body	LTE Band12	23095	707.5	25RB-Low	Rear	15mm	\	22.39	23	0.092	**0.11**	0.066	**0.08**	-0.11
1	Head	LTE Band14	23330	793	1RB-Mid	Cheek Left	0mm	\	24.26	25	0.278	**0.33**	0.215	**0.25**	-0.12
1	Head	LTE Band14	23330	793	1RB-Mid	Tilt Left	0mm	\	24.26	25	0.145	**0.17**	0.117	**0.14**	0.18
1	Head	LTE Band14	23330	793	1RB-Mid	Cheek Right	0mm	22	24.26	25	0.319	**0.38**	0.246	**0.29**	-0.15
1	Head	LTE Band14	23330	793	1RB-Mid	Tilt Right	0mm	\	24.26	25	0.144	**0.17**	0.117	**0.14**	0.02
1	Head	LTE Band14	23330	793	25RB-Mid	Cheek Left	0mm	\	23.28	24	0.234	**0.28**	0.181	**0.21**	0.04
1	Head	LTE Band14	23330	793	25RB-Mid	Tilt Left	0mm	\	23.28	24	0.119	**0.14**	0.094	**0.11**	0.14
1	Head	LTE Band14	23330	793	25RB-Mid	Cheek Right	0mm	\	23.28	24	0.252	**0.30**	0.195	**0.23**	-0.04
1	Head	LTE Band14	23330	793	25RB-Mid	Tilt Right	0mm	\	23.28	24	0.117	**0.14**	0.094	**0.11**	0.01
1	Body	LTE Band14	23330	793	1RB-Mid	Front	10mm	\	24.26	25	0.243	**0.29**	0.185	**0.22**	-0.09
1	Body	LTE Band14	23330	793	1RB-Mid	Rear	10mm	23	24.26	25	0.31	**0.37**	0.237	**0.28**	0.01
1	Body	LTE Band14	23330	793	1RB-Mid	Left	10mm	\	24.26	25	0.088	**0.10**	0.062	**0.07**	-0.08
1	Body	LTE Band14	23330	793	1RB-Mid	Right	10mm	\	24.26	25	0.203	**0.24**	0.142	**0.17**	0.09
1	Body	LTE Band14	23330	793	1RB-Mid	Bottom	10mm	\	24.26	25	0.12	**0.14**	0.058	**0.07**	0.11
1	Body	LTE Band14	23330	793	25RB-Mid	Front	10mm	\	23.28	24	0.19	**0.22**	0.147	**0.17**	0.09
1	Body	LTE Band14	23330	793	25RB-Mid	Rear	10mm	\	23.28	24	0.249	**0.29**	0.191	**0.23**	-0.02
1	Body	LTE Band14	23330	793	25RB-Mid	Left	10mm	\	23.28	24	0.071	**0.08**	0.049	**0.06**	-0.1
1	Body	LTE Band14	23330	793	25RB-Mid	Right	10mm	\	23.28	24	0.148	**0.17**	0.104	**0.12**	0.06
1	Body	LTE Band14	23330	793	25RB-Mid	Bottom	10mm	\	23.28	24	0.088	**0.10**	0.048	**0.06**	-0.07
1	Body	LTE Band14	23330	793	1RB-Mid	Front	15mm	\	24.26	25	0.259	**0.31**	0.198	**0.23**	-0.12
1	Body	LTE Band14	23330	793	1RB-Mid	Rear	15mm	24	24.26	25	0.308	**0.37**	0.234	**0.28**	-0.01
1	Body	LTE Band14	23330	793	25RB-Mid	Front	15mm	\	23.28	24	0.206	**0.24**	0.157	**0.19**	-0.02
1	Body	LTE Band14	23330	793	25RB-Mid	Rear	15mm	\	23.28	24	0.245	**0.29**	0.186	**0.22**	-0.05

Note1: The results are only for DSI8.

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	Head	LTE Band30	27710	2310	1RB-Mid	Cheek Left	0mm	25	23.17	24	0.23	**0.28**	0.137	**0.17**	-0.08
1	Head	LTE Band30	27710	2310	1RB-Mid	Tilt Left	0mm	\	23.17	24	0.157	**0.19**	0.089	**0.11**	0.07
1	Head	LTE Band30	27710	2310	1RB-Mid	Cheek Right	0mm	\	23.17	24	0.138	**0.17**	0.08	**0.10**	0.11
1	Head	LTE Band30	27710	2310	1RB-Mid	Tilt Right	0mm	\	23.17	24	0.096	**0.12**	0.057	**0.07**	0.05
1	Head	LTE Band30	27710	2310	25RB-Low	Cheek Left	0mm	\	22.1	23	0.186	**0.23**	0.11	**0.14**	0.11
1	Head	LTE Band30	27710	2310	25RB-Low	Tilt Left	0mm	\	22.1	23	0.124	**0.15**	0.071	**0.09**	-0.16
1	Head	LTE Band30	27710	2310	25RB-Low	Cheek Right	0mm	\	22.1	23	0.109	**0.13**	0.063	**0.08**	0.18
1	Head	LTE Band30	27710	2310	25RB-Low	Tilt Right	0mm	\	22.1	23	0.074	**0.09**	0.045	**0.06**	0.05
1	Body	LTE Band30	27710	2310	1RB-Mid	Front	10mm	\	23.17	24	0.543	**0.66**	0.347	**0.42**	0.1
1	Body	LTE Band30	27710	2310	1RB-Mid	Rear	10mm	\	23.17	24	0.567	**0.69**	0.303	**0.37**	0.06
1	Body	LTE Band30	27710	2310	1RB-Mid	Left	10mm	\	23.17	24	0.353	**0.43**	0.225	**0.27**	0.12
1	Body	LTE Band30	27710	2310	1RB-Mid	Right	10mm	\	23.17	24	0.148	**0.18**	0.089	**0.11**	0.07
1	Body	LTE Band30	27710	2310	1RB-Mid	Bottom	10mm	26	23.17	24	0.602	**0.73**	0.292	**0.35**	-0.07
1	Body	LTE Band30	27710	2310	25RB-Low	Front	10mm	\	22.1	23	0.41	**0.50**	0.261	**0.32**	-0.16
1	Body	LTE Band30	27710	2310	25RB-Low	Rear	10mm	\	22.1	23	0.413	**0.51**	0.227	**0.28**	-0.09
1	Body	LTE Band30	27710	2310	25RB-Low	Left	10mm	\	22.1	23	0.253	**0.31**	0.16	**0.20**	0.01
1	Body	LTE Band30	27710	2310	25RB-Low	Right	10mm	\	22.1	23	0.2	**0.25**	0.128	**0.16**	0.12
1	Body	LTE Band30	27710	2310	25RB-Low	Bottom	10mm	\	22.1	23	0.447	**0.55**	0.246	**0.30**	0.11
1	Body	LTE Band30	27710	2310	1RB-Mid	Front	10mm	Note1	22.12	23	0.358	**0.44**	0.193	**0.24**	0.01
1	Body	LTE Band30	27710	2310	1RB-Mid	Rear	10mm	Note1	22.12	23	0.426	**0.52**	0.195	**0.24**	-0.01
1	Body	LTE Band30	27710	2310	1RB-Mid	Left	10mm	Note1	22.12	23	0.211	**0.26**	0.114	**0.14**	-0.14
1	Body	LTE Band30	27710	2310	1RB-Mid	Right	10mm	Note1	22.12	23	0.236	**0.29**	0.125	**0.15**	0.11
1	Body	LTE Band30	27710	2310	1RB-Mid	Bottom	10mm	Note1	22.12	23	0.408	**0.50**	0.177	**0.22**	0.03
1	Body	LTE Band30	27710	2310	25RB-Low	Front	10mm	Note1	21.09	22	0.287	**0.35**	0.151	**0.19**	0.07
1	Body	LTE Band30	27710	2310	25RB-Low	Rear	10mm	Note1	21.09	22	0.311	**0.38**	0.151	**0.19**	0.03
1	Body	LTE Band30	27710	2310	25RB-Low	Left	10mm	Note1	21.09	22	0.239	**0.29**	0.124	**0.15**	0.08
1	Body	LTE Band30	27710	2310	25RB-Low	Right	10mm	Note1	21.09	22	0.142	**0.18**	0.075	**0.09**	-0.15
1	Body	LTE Band30	27710	2310	25RB-Low	Bottom	10mm	Note1	21.09	22	0.333	**0.41**	0.149	**0.18**	0.14
1	Body	LTE Band30	27710	2310	1RB-Mid	Front	15mm	\	23.17	24	0.193	**0.23**	0.107	**0.13**	-0.15
1	Body	LTE Band30	27710	2310	1RB-Mid	Rear	15mm	27	23.17	24	0.199	**0.24**	0.114	**0.14**	-0.09
1	Body	LTE Band30	27710	2310	25RB-Mid	Front	15mm	\	22.1	23	0.163	**0.20**	0.088	**0.11**	-0.07
1	Body	LTE Band30	27710	2310	25RB-Mid	Rear	15mm	\	22.1	23	0.183	**0.23**	0.098	**0.12**	-0.15
1	Head	LTE Band66	132322	1745	1RB-Low	Cheek Left	0mm	\	24.13	24.5	0.054	**0.06**	0.038	**0.04**	-0.15
1	Head	LTE Band66	132322	1745	1RB-Low	Tilt Left	0mm	\	24.13	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band66	132322	1745	1RB-Low	Cheek Right	0mm	28	24.13	24.5	0.107	**0.12**	0.071	**0.08**	0.09
1	Head	LTE Band66	132322	1745	1RB-Low	Tilt Right	0mm	\	24.13	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band66	132322	1745	50RB-Mid	Cheek Left	0mm	\	23.05	24.5	0.032	**0.04**	0.023	**0.03**	0.07
1	Head	LTE Band66	132322	1745	50RB-Mid	Tilt Left	0mm	\	23.05	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Head	LTE Band66	132322	1745	50RB-Mid	Cheek Right	0mm	\	23.05	24.5	0.077	**0.11**	0.048	**0.07**	0.06
1	Head	LTE Band66	132322	1745	50RB-Mid	Tilt Right	0mm	\	23.05	24.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band66	132322	1745	1RB-High	Front	10mm	\	19.76	20.5	0.345	**0.41**	0.194	**0.23**	-0.07
1	Body	LTE Band66	132572	1770	1RB-High	Rear	10mm	\	19.74	20.5	0.702	**0.84**	0.388	**0.46**	0.08
1	Body	LTE Band66	132322	1745	1RB-High	Rear	10mm	\	19.76	20.5	0.837	**0.99**	0.468	**0.55**	-0.1
1	Body	LTE Band66	132072	1720	1RB-High	Rear	10mm	\	19.71	20.5	0.745	**0.89**	0.409	**0.49**	-0.03
1	Body	LTE Band66	132322	1745	100RB	Rear	10mm	\	18.73	19.5	0.634	**0.76**	0.337	**0.40**	-0.1
1	Body	LTE Band66	132322	1745	1RB-High	Left	10mm	\	19.76	20.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band66	132322	1745	1RB-High	Right	10mm	\	19.76	20.5	0.06	**0.07**	0.036	**0.04**	0.05
1	Body	LTE Band66	132572	1770	1RB-High	Bottom	10mm	\	19.74	20.5	0.897	**1.07**	0.487	**0.58**	-0.03
1	Body	LTE Band66	132322	1745	1RB-High	Bottom	10mm	29	19.76	20.5	1.07	**1.27**	0.588	**0.70**	0.12
1	Body	LTE Band66	132072	1720	1RB-High	Bottom	10mm	\	19.71	20.5	0.953	**1.14**	0.514	**0.62**	0.05
1	Body	LTE Band66	132322	1745	100RB	Bottom	10mm	\	18.73	19.5	0.781	**0.93**	0.425	**0.51**	-0.06
1	Body	LTE Band66	132322	1745	50RB-Mid	Front	10mm	\	18.79	19.5	0.264	**0.31**	0.15	**0.18**	-0.02
1	Body	LTE Band66	132322	1745	50RB-Mid	Rear	10mm	\	18.79	19.5	0.558	**0.66**	0.303	**0.36**	0.11
1	Body	LTE Band66	132322	1745	50RB-Mid	Left	10mm	\	18.79	19.5	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band66	132322	1745	50RB-Mid	Right	10mm	\	18.79	19.5	0.035	**0.04**	0.021	**0.02**	0.04
1	Body	LTE Band66	132572	1770	50RB-Mid	Bottom	10mm	\	18.74	19.5	0.66	**0.79**	0.355	**0.42**	0.03
1	Body	LTE Band66	132322	1745	50RB-Mid	Bottom	10mm	\	18.79	19.5	0.787	**0.93**	0.429	**0.51**	-0.07
1	Body	LTE Band66	132072	1720	50RB-High	Bottom	10mm	\	18.69	19.5	0.701	**0.84**	0.375	**0.45**	-0.04
1	Body	LTE Band66	132322	1745	1RB-High	Bottom	10mm	SIM2	19.76	20.5	1.05	**1.25**	0.582	**0.69**	0.09
1	Body	LTE Band66	132322	1745	1RB-High	Front	10mm	Note1	17.14	18	0.21	**0.26**	0.124	**0.15**	-0.02
1	Body	LTE Band66	132322	1745	1RB-High	Rear	10mm	Note1	17.14	18	0.459	**0.56**	0.257	**0.31**	-0.06
1	Body	LTE Band66	132322	1745	1RB-High	Left	10mm	Note1	17.14	18	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band66	132322	1745	1RB-High	Right	10mm	Note1	17.14	18	0.041	**0.05**	0.027	**0.03**	0.04
1	Body	LTE Band66	132322	1745	1RB-High	Bottom	10mm	Note1	17.14	18	0.592	**0.72**	0.325	**0.40**	0.01
1	Body	LTE Band66	132322	1745	50RB-Mid	Front	10mm	Note1	16.17	17	0.165	**0.20**	0.097	**0.12**	-0.11
1	Body	LTE Band66	132322	1745	50RB-Mid	Rear	10mm	Note1	16.17	17	0.353	**0.43**	0.194	**0.23**	0.02
1	Body	LTE Band66	132322	1745	50RB-Mid	Left	10mm	Note1	16.17	17	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band66	132322	1745	50RB-Mid	Right	10mm	Note1	16.17	17	<0.01	<0.01	<0.01	<0.01	\
1	Body	LTE Band66	132322	1745	50RB-Mid	Bottom	10mm	Note1	16.17	17	0.484	**0.59**	0.269	**0.33**	0.02
1	Body	LTE Band66	132322	1745	1RB-Low	Front	15mm	\	22.54	23	0.419	**0.47**	0.241	**0.27**	0.07
1	Body	LTE Band66	132572	1770	1RB-High	Rear	15mm	\	22.47	23	0.679	**0.77**	0.381	**0.43**	-0.12
1	Body	LTE Band66	132322	1745	1RB-Low	Rear	15mm	30	22.54	23	0.809	**0.90**	0.444	**0.49**	-0.05
1	Body	LTE Band66	132072	1720	1RB-Mid	Rear	15mm	\	22.44	23	0.778	**0.89**	0.437	**0.50**	0.01
1	Body	LTE Band66	132322	1745	100RB	Rear	15mm	\	21.32	22	0.582	**0.68**	0.325	**0.38**	0.11
1	Body	LTE Band66	132322	1745	50RB-Low	Front	15mm	\	21.37	22	0.327	**0.38**	0.188	**0.22**	0.17
1	Body	LTE Band66	132322	1745	50RB-Low	Rear	15mm	\	21.37	22	0.572	**0.66**	0.32	**0.37**	-0.12
1	Body	LTE Band66	132322	1745	1RB-High	Front	15mm	Note2	19.19	20	0.189	**0.23**	0.113	**0.14**	0.02
1	Body	LTE Band66	132322	1745	1RB-High	Rear	15mm	Note2	19.19	20	0.371	**0.45**	0.218	**0.26**	-0.09
1	Body	LTE Band66	132322	1745	50RB-Low	Front	15mm	Note2	18.17	19	0.151	**0.18**	0.09	**0.11**	0.02
1	Body	LTE Band66	132322	1745	50RB-Low	Rear	15mm	Note2	18.17	19	0.291	**0.35**	0.171	**0.21**	-0.11

Note1: The results are only for DSI8.

Note2: The results are only for DSI9.

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
5	Head	LTE Band2	18700	1860	1RB-Low	Cheek Left	0mm	\	16.66	17	0.343	**0.37**	0.197	**0.21**	-0.08
5	Head	LTE Band2	18700	1860	1RB-Low	Tilt Left	0mm	\	16.66	17	0.403	**0.44**	0.222	**0.24**	-0.11
5	Head	LTE Band2	18700	1860	1RB-Low	Cheek Right	0mm	\	16.66	17	0.498	**0.54**	0.248	**0.27**	0.07
5	Head	LTE Band2	18700	1860	1RB-Low	Tilt Right	0mm	31	16.66	17	0.63	**0.68**	0.299	**0.32**	0.06
5	Head	LTE Band2	18700	1860	50RB-Low	Cheek Left	0mm	\	15.73	16	0.278	**0.30**	0.16	**0.17**	0.05
5	Head	LTE Band2	18700	1860	50RB-Low	Tilt Left	0mm	\	15.73	16	0.326	**0.35**	0.18	**0.19**	-0.1
5	Head	LTE Band2	18700	1860	50RB-Low	Cheek Right	0mm	\	15.73	16	0.403	**0.43**	0.201	**0.21**	0.05
5	Head	LTE Band2	18700	1860	50RB-Low	Tilt Right	0mm	\	15.73	16	0.51	**0.54**	0.242	**0.26**	-0.07
5	Body	LTE Band2	18700	1860	1RB-Low	Front	10mm	\	22.31	22.5	0.414	**0.43**	0.234	**0.24**	-0.05
5	Body	LTE Band2	18700	1860	1RB-Low	Rear	10mm	\	22.31	22.5	0.635	**0.66**	0.35	**0.37**	-0.15
5	Body	LTE Band2	18700	1860	1RB-Low	Left	10mm	\	22.31	22.5	0.153	**0.16**	0.092	**0.10**	0.06
5	Body	LTE Band2	18700	1860	1RB-Low	Right	10mm	\	22.31	22.5	0.073	**0.08**	0.045	**0.05**	0.07
5	Body	LTE Band2	18700	1860	1RB-Low	Top	10mm	32	22.31	22.5	0.713	**0.74**	0.378	**0.39**	0.02
5	Body	LTE Band2	18700	1860	50RB-Low	Front	10mm	\	21.3	21.5	0.339	**0.35**	0.189	**0.20**	-0.01
5	Body	LTE Band2	18700	1860	50RB-Low	Rear	10mm	\	21.3	21.5	0.464	**0.49**	0.267	**0.28**	-0.07
5	Body	LTE Band2	18700	1860	50RB-Low	Left	10mm	\	21.3	21.5	0.126	**0.13**	0.076	**0.08**	0.09
5	Body	LTE Band2	18700	1860	50RB-Low	Right	10mm	\	21.3	21.5	0.059	**0.06**	0.036	**0.04**	0.13
5	Body	LTE Band2	18700	1860	50RB-Low	Top	10mm	\	21.3	21.5	0.568	**0.59**	0.302	**0.32**	-0.08
5	Body	LTE Band2	18700	1860	1RB-Low	Front	15mm	\	22.31	22.5	0.188	**0.20**	0.113	**0.12**	-0.06
5	Body	LTE Band2	18700	1860	1RB-Low	Rear	15mm	33	22.31	22.5	0.317	**0.33**	0.183	**0.19**	-0.13
5	Body	LTE Band2	18700	1860	50RB-Low	Front	15mm	\	21.3	21.5	0.157	**0.16**	0.093	**0.10**	0.03
5	Body	LTE Band2	18700	1860	50RB-Low	Rear	15mm	\	21.3	21.5	0.257	**0.27**	0.148	**0.15**	0.07
5	Head	LTE Band12	23060	704	1RB-Mid	Cheek Left	0mm	\	23.65	24	0.209	**0.23**	0.132	**0.14**	-0.09
5	Head	LTE Band12	23060	704	1RB-Mid	Tilt Left	0mm	\	23.65	24	0.225	**0.24**	0.131	**0.14**	0.12
5	Head	LTE Band12	23060	704	1RB-Mid	Cheek Right	0mm	\	23.65	24	0.333	**0.36**	0.178	**0.19**	0.12
5	Head	LTE Band12	23060	704	1RB-Mid	Tilt Right	0mm	34	23.65	24	0.341	**0.37**	0.165	**0.18**	0.01
5	Head	LTE Band12	23060	704	25RB-Low	Cheek Left	0mm	\	22.6	23	0.167	**0.18**	0.105	**0.12**	0.07
5	Head	LTE Band12	23060	704	25RB-Low	Tilt Left	0mm	\	22.6	23	0.179	**0.20**	0.104	**0.11**	-0.07
5	Head	LTE Band12	23060	704	25RB-Low	Cheek Right	0mm	\	22.6	23	0.234	**0.26**	0.13	**0.14**	-0.13
5	Head	LTE Band12	23060	704	25RB-Low	Tilt Right	0mm	\	22.6	23	0.272	**0.30**	0.132	**0.14**	0.15
5	Body	LTE Band12	23060	704	1RB-Mid	Front	10mm	\	23.65	24	0.035	**0.04**	0.029	**0.03**	-0.18
5	Body	LTE Band12	23060	704	1RB-Mid	Rear	10mm	\	23.65	24	0.041	**0.04**	0.039	**0.04**	0.15
5	Body	LTE Band12	23060	704	1RB-Mid	Left	10mm	\	23.65	24	0.033	**0.04**	0.028	**0.03**	0.1
5	Body	LTE Band12	23060	704	1RB-Mid	Right	10mm	\	23.65	24	<0.01	<0.01	<0.01	<0.01	\
5	Body	LTE Band12	23060	704	1RB-Mid	Top	10mm	35	23.65	24	0.049	**0.05**	0.028	**0.03**	-0.02
5	Body	LTE Band12	23060	704	25RB-Low	Front	10mm	\	22.6	23	0.027	**0.03**	0.024	**0.03**	-0.04
5	Body	LTE Band12	23060	704	25RB-Low	Rear	10mm	\	22.6	23	0.036	**0.04**	0.032	**0.04**	-0.16
5	Body	LTE Band12	23060	704	25RB-Low	Left	10mm	\	22.6	23	0.025	**0.03**	0.022	**0.02**	-0.08
5	Body	LTE Band12	23060	704	25RB-Low	Right	10mm	\	22.6	23	<0.01	<0.01	<0.01	<0.01	\
5	Body	LTE Band12	23060	704	25RB-Low	Top	10mm	\	22.6	23	0.041	**0.04**	0.023	**0.03**	-0.02
5	Body	LTE Band12	23060	704	1RB-Mid	Front	15mm	\	23.65	24	0.046	**0.05**	0.036	**0.04**	0.09
5	Body	LTE Band12	23060	704	1RB-Mid	Rear	15mm	36	23.65	24	0.053	**0.06**	0.041	**0.04**	-0.04
5	Body	LTE Band12	23060	704	25RB-Low	Front	15mm	\	22.6	23	0.038	**0.04**	0.029	**0.03**	0.03
5	Body	LTE Band12	23060	704	25RB-Low	Rear	15mm	\	22.6	23	0.045	**0.05**	0.034	**0.04**	0.13
5	Head	LTE Band30	27710	2310	1RB-Mid	Cheek Left	0mm	\	15.91	16.5	0.237	**0.27**	0.111	**0.13**	0.08
5	Head	LTE Band30	27710	2310	1RB-Mid	Tilt Left	0mm	\	15.91	16.5	0.373	**0.43**	0.171	**0.20**	-0.02
5	Head	LTE Band30	27710	2310	1RB-Mid	Cheek Right	0mm	\	15.91	16.5	0.408	**0.47**	0.187	**0.21**	0.11
5	Head	LTE Band30	27710	2310	1RB-Mid	Tilt Right	0mm	37	15.91	16.5	0.598	**0.69**	0.246	**0.28**	-0.06
5	Head	LTE Band30	27710	2310	25RB-Low	Cheek Left	0mm	\	14.93	15.5	0.202	**0.23**	0.095	**0.11**	0.06
5	Head	LTE Band30	27710	2310	25RB-Low	Tilt Left	0mm	\	14.93	15.5	0.298	**0.34**	0.137	**0.16**	-0.03
5	Head	LTE Band30	27710	2310	25RB-Low	Cheek Right	0mm	\	14.93	15.5	0.353	**0.40**	0.152	**0.17**	0.02
5	Head	LTE Band30	27710	2310	25RB-Low	Tilt Right	0mm	\	14.93	15.5	0.482	**0.55**	0.199	**0.23**	0.04
5	Head	LTE Band30	27710	2310	1RB-Mid	Tilt Right	0mm	SIM2	15.91	16.5	0.578	**0.66**	0.231	**0.26**	0.14
5	Body	LTE Band30	27710	2310	1RB-Low	Front	10mm	\	18.5	19	0.194	**0.22**	0.091	**0.10**	0.09
5	Body	LTE Band30	27710	2310	1RB-Low	Rear	10mm	\	18.5	19	0.378	**0.42**	0.17	**0.19**	0.11
5	Body	LTE Band30	27710	2310	1RB-Low	Left	10mm	\	18.5	19	0.051	**0.06**	0.031	**0.03**	-0.02
5	Body	LTE Band30	27710	2310	1RB-Low	Right	10mm	\	18.5	19	0.016	**0.02**	0.008	**0.01**	0.12
5	Body	LTE Band30	27710	2310	1RB-Low	Top	10mm	38	18.5	19	0.624	**0.70**	0.261	**0.29**	-0.02
5	Body	LTE Band30	27710	2310	25RB-Mid	Front	10mm	\	17.59	18	0.155	**0.17**	0.075	**0.08**	0.01
5	Body	LTE Band30	27710	2310	25RB-Mid	Rear	10mm	\	17.59	18	0.296	**0.33**	0.135	**0.15**	0.01
5	Body	LTE Band30	27710	2310	25RB-Mid	Left	10mm	\	17.59	18	0.04	**0.04**	0.024	**0.03**	0.17
5	Body	LTE Band30	27710	2310	25RB-Mid	Right	10mm	\	17.59	18	0.013	**0.01**	0.008	**0.01**	-0.03
5	Body	LTE Band30	27710	2310	25RB-Mid	Top	10mm	\	17.59	18	0.48	**0.53**	0.218	**0.24**	-0.01
5	Body	LTE Band30	27710	2310	1RB-Mid	Front	15mm	\	20.77	21	0.251	**0.26**	0.13	**0.14**	0.05
5	Body	LTE Band30	27710	2310	1RB-Mid	Rear	15mm	39	20.77	21	0.402	**0.42**	0.21	**0.22**	-0.01
5	Body	LTE Band30	27710	2310	25RB-High	Front	15mm	\	19.65	20	0.205	**0.22**	0.107	**0.12**	-0.06
5	Body	LTE Band30	27710	2310	25RB-High	Rear	15mm	\	19.65	20	0.33	**0.36**	0.172	**0.19**	0.12
5	Head	LTE Band66	132072	1720	1RB-Low	Cheek Left	0mm	\	17.25	17.5	0.283	**0.30**	0.161	**0.17**	0.09
5	Head	LTE Band66	132072	1720	1RB-Low	Tilt Left	0mm	\	17.25	17.5	0.319	**0.34**	0.171	**0.18**	-0.07
5	Head	LTE Band66	132072	1720	1RB-Low	Cheek Right	0mm	\	17.25	17.5	0.382	**0.40**	0.195	**0.21**	0.11
5	Head	LTE Band66	132072	1720	1RB-Low	Tilt Right	0mm	40	17.25	17.5	0.456	**0.48**	0.217	**0.23**	-0.01
5	Head	LTE Band66	132072	1720	50RB-Low	Cheek Left	0mm	\	16.15	16.5	0.221	**0.24**	0.125	**0.14**	0.06
5	Head	LTE Band66	132072	1720	50RB-Low	Tilt Left	0mm	\	16.15	16.5	0.25	**0.27**	0.134	**0.15**	-0.03
5	Head	LTE Band66	132072	1720	50RB-Low	Cheek Right	0mm	\	16.15	16.5	0.301	**0.33**	0.152	**0.16**	0.07
5	Head	LTE Band66	132072	1720	50RB-Low	Tilt Right	0mm	\	16.15	16.5	0.364	**0.39**	0.173	**0.19**	0.06
5	Body	LTE Band66	132072	1720	1RB-Mid	Front	10mm	\	22.85	23.5	0.425	**0.49**	0.248	**0.29**	-0.06
5	Body	LTE Band66	132072	1720	1RB-Mid	Rear	10mm	\	22.85	23.5	0.504	**0.59**	0.289	**0.34**	-0.05
5	Body	LTE Band66	132072	1720	1RB-Mid	Left	10mm	\	22.85	23.5	0.182	**0.21**	0.112	**0.13**	-0.01
5	Body	LTE Band66	132072	1720	1RB-Mid	Right	10mm	\	22.85	23.5	0.083	**0.10**	0.051	**0.06**	0.09
5	Body	LTE Band66	132072	1720	1RB-Mid	Top	10mm	41	22.85	23.5	0.556	**0.65**	0.3	**0.35**	-0.03
5	Body	LTE Band66	132072	1720	50RB-High	Front	10mm	\	21.86	22.5	0.342	**0.40**	0.199	**0.23**	0.01
5	Body	LTE Band66	132072	1720	50RB-High	Rear	10mm	\	21.86	22.5	0.408	**0.47**	0.235	**0.27**	0.04
5	Body	LTE Band66	132072	1720	50RB-High	Left	10mm	\	21.86	22.5	0.148	**0.17**	0.089	**0.10**	0.14
5	Body	LTE Band66	132072	1720	50RB-High	Right	10mm	\	21.86	22.5	0.074	**0.09**	0.045	**0.05**	0.15
5	Body	LTE Band66	132072	1720	50RB-High	Top	10mm	\	21.86	22.5	0.419	**0.49**	0.226	**0.26**	-0.14
5	Body	LTE Band66	132072	1720	1RB-Low	Front	15mm	\	24.31	24.5	0.317	**0.33**	0.189	**0.20**	-0.08
5	Body	LTE Band66	132072	1720	1RB-Low	Rear	15mm	42	24.31	24.5	0.357	**0.37**	0.206	**0.22**	-0.01
5	Body	LTE Band66	132072	1720	50RB-Low	Front	15mm	\	23.09	23.5	0.264	**0.29**	0.153	**0.17**	0.11
5	Body	LTE Band66	132072	1720	50RB-Low	Rear	15mm	\	23.09	23.5	0.3	**0.33**	0.175	**0.19**	0.04

14.2 SAR results for 5G NR

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift	Power setting	BW RB	SCS
1	Head	N2	376000	1880	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.66	24.5	0.128	**0.16**	0.086	**0.10**	0.05	23.5	5M_12_6	15K
1	Head	N2	376000	1880	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.66	24.5	0.134	**0.16**	0.084	**0.10**	-0.08	23.5	5M_12_6	15K
1	Head	N2	376000	1880	DFT-s-OFDM QPSK	Cheek Right	0mm	43	23.66	24.5	0.144	**0.17**	0.094	**0.11**	-0.01	23.5	5M_12_6	15K
1	Head	N2	376000	1880	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.66	24.5	0.109	**0.13**	0.072	**0.09**	0.12	23.5	5M_12_6	15K
1	Head	N2	376000	1880	CP-OFDM QPSK	Cheek Right	0mm	\	22.11	23	0.112	**0.14**	0.071	**0.09**	0.09	23.5	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Front	10mm	\	20.14	21	0.313	**0.38**	0.184	**0.22**	-0.17	20	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Rear	10mm	\	20.14	21	0.414	**0.50**	0.232	**0.28**	0.08	20	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Left	10mm	\	20.14	21	0.052	**0.06**	0.031	**0.04**	0.11	20	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Right	10mm	\	20.14	21	0.04	**0.05**	0.024	**0.03**	0.04	20	5M_12_6	15K
1	Body	N2	381500	1907.5	DFT-s-OFDM QPSK	Bottom	10mm	\	20.12	21	0.754	**0.92**	0.417	**0.51**	-0.16	20	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Bottom	10mm	\	20.14	21	0.796	**0.97**	0.443	**0.54**	-0.03	20	5M_12_6	15K
1	Body	N2	370500	1852.5	DFT-s-OFDM QPSK	Bottom	10mm	44	20.13	21	1.03	**1.26**	0.56	**0.68**	0.01	20	5M_12_6	15K
1	Body	N2	370500	1852.5	CP-OFDM 16QAM	Bottom	10mm	\	20.1	21	1.01	**1.24**	0.547	**0.67**	-0.09	20	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Front	10mm	Note1	19.28	19.5	0.241	**0.25**	0.142	**0.15**	-0.06	18.5	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Rear	10mm	Note1	19.28	19.5	0.34	**0.36**	0.186	**0.20**	-0.15	18.5	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Left	10mm	Note1	19.28	19.5	0.073	**0.08**	0.044	**0.05**	0.05	18.5	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Right	10mm	Note1	19.28	19.5	0.042	**0.04**	0.025	**0.03**	0.07	18.5	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Bottom	10mm	Note1	19.28	19.5	0.685	**0.72**	0.374	**0.39**	0.01	18.5	5M_12_6	15K
1	Body	N2	376000	1880	CP-OFDM 16QAM	Bottom	10mm	Note1	19.13	19.5	0.644	**0.70**	0.352	**0.38**	0.09	18.5	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Front	15mm	\	21.75	22.5	0.306	**0.36**	0.188	**0.22**	0.06	21.5	5M_12_6	15K
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Rear	15mm	45	21.75	22.5	0.36	**0.43**	0.217	**0.26**	-0.07	21.5	5M_12_6	15K
1	Head	N5	167300	836.5	DFT-s-OFDM QPSK	Cheek Left	0mm	\	24.09	25	0.296	**0.36**	0.211	**0.26**	-0.11	24	5M_12_6	15K
1	Head	N5	167300	836.5	DFT-s-OFDM QPSK	Tilt Left	0mm	\	24.09	25	0.156	**0.19**	0.117	**0.14**	0.16	24	5M_12_6	15K
1	Head	N5	167300	836.5	DFT-s-OFDM QPSK	Cheek Right	0mm	46	24.09	25	0.322	**0.40**	0.248	**0.31**	0.04	24	5M_12_6	15K
1	Head	N5	167300	836.5	DFT-s-OFDM QPSK	Tilt Right	0mm	\	24.09	25	0.167	**0.21**	0.125	**0.15**	-0.14	24	5M_12_6	15K
1	Head	N5	167300	836.5	CP-OFDM QPSK	Cheek Right	0mm	\	22.58	23.5	0.281	**0.35**	0.224	**0.28**	-0.09	24	5M_12_6	15K
1	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Front	10mm	\	24.09	25	0.279	**0.34**	0.198	**0.24**	0.14	24	5M_12_6	15K
1	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Rear	10mm	47	24.09	25	0.342	**0.42**	0.261	**0.32**	0.02	24	5M_12_6	15K
1	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Left	10mm	\	24.09	25	0.133	**0.16**	0.085	**0.10**	0.06	24	5M_12_6	15K
1	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Right	10mm	\	24.09	25	0.198	**0.24**	0.13	**0.16**	-0.01	24	5M_12_6	15K
1	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Bottom	10mm	\	24.09	25	0.084	**0.10**	0.053	**0.07**	0.13	24	5M_12_6	15K
1	Body	N5	167300	836.5	CP-OFDM QPSK	Rear	10mm	\	22.58	23.5	0.283	**0.35**	0.224	**0.28**	0.09	24	5M_12_6	15K
1	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Front	15mm	\	24.09	25	0.255	**0.31**	0.185	**0.23**	-0.02	24	5M_12_6	15K
1	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Rear	15mm	48	24.09	25	0.293	**0.36**	0.222	**0.27**	-0.06	24	5M_12_6	15K
1	Head	N30	462000	2310	DFT-s-OFDM QPSK	Cheek Left	0mm	49	23.22	24	0.205	**0.25**	0.122	**0.15**	-0.03	23	5M_12_6	15K
1	Head	N30	462000	2310	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.22	24	0.158	**0.19**	0.089	**0.11**	-0.01	23	5M_12_6	15K
1	Head	N30	462000	2310	DFT-s-OFDM QPSK	Cheek Right	0mm	\	23.22	24	0.141	**0.17**	0.083	**0.10**	0.17	23	5M_12_6	15K
1	Head	N30	462000	2310	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.22	24	0.116	**0.14**	0.068	**0.08**	0.12	23	5M_12_6	15K
1	Body	N30	462000	2310	DFT-s-OFDM QPSK	Front	10mm	50	23.22	24	0.379	**0.45**	0.216	**0.26**	-0.09	23	5M_12_6	15K
1	Body	N30	462000	2310	DFT-s-OFDM QPSK	Rear	10mm	\	23.22	24	0.362	**0.43**	0.197	**0.24**	-0.15	23	5M_12_6	15K
1	Body	N30	462000	2310	DFT-s-OFDM QPSK	Left	10mm	\	23.22	24	0.126	**0.15**	0.067	**0.08**	0.17	23	5M_12_6	15K
1	Body	N30	462000	2310	DFT-s-OFDM QPSK	Right	10mm	\	23.22	24	0.093	**0.11**	0.05	**0.06**	0.17	23	5M_12_6	15K
1	Body	N30	462000	2310	DFT-s-OFDM QPSK	Bottom	10mm	\	23.22	24	0.377	**0.45**	0.172	**0.21**	0.03	23	5M_12_6	15K
1	Body	N30	462000	2310	DFT-s-OFDM QPSK	Front	15mm	51	23.22	24	0.201	**0.24**	0.12	**0.14**	-0.08	23	5M_12_6	15K
1	Body	N30	462000	2310	DFT-s-OFDM QPSK	Rear	15mm	\	23.22	24	0.165	**0.20**	0.09	**0.11**	0.06	23	5M_12_6	15K
1	Head	N66	349000	1745	DFT-s-OFDM QPSK	Cheek Left	0mm	\	24.19	24.5	0.078	**0.08**	0.052	**0.06**	-0.12	23.5	5M_12_6	15K
1	Head	N66	349000	1745	DFT-s-OFDM QPSK	Tilt Left	0mm	\	24.19	24.5	0.062	**0.07**	0.04	**0.04**	0.09	23.5	5M_12_6	15K
1	Head	N66	349000	1745	DFT-s-OFDM QPSK	Cheek Right	0mm	52	24.19	24.5	0.122	**0.13**	0.078	**0.08**	0.14	23.5	5M_12_6	15K
1	Head	N66	349000	1745	DFT-s-OFDM QPSK	Tilt Right	0mm	\	24.19	24.5	0.047	**0.05**	0.032	**0.03**	-0.01	23.5	5M_12_6	15K
1	Head	N66	349000	1745	CP-OFDM QPSK	Cheek Right	0mm	\	22.15	23	0.074	**0.09**	0.033	**0.04**	0.06	23.5	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Front	10mm	\	19.39	20	0.388	**0.45**	0.214	**0.25**	-0.15	19	5M_12_6	15K
1	Body	N66	355500	1777.5	DFT-s-OFDM QPSK	Rear	10mm	\	19.24	20	0.714	**0.85**	0.324	**0.39**	0.15	19	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	10mm	\	19.39	20	0.866	**1.00**	0.404	**0.46**	0.08	19	5M_12_6	15K
1	Body	N66	342500	1712.5	DFT-s-OFDM QPSK	Rear	10mm	\	19.37	20	0.858	**0.99**	0.395	**0.46**	0.07	19	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Left	10mm	\	19.39	20	<0.01	<0.01	<0.01	<0.01	\	19	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Right	10mm	\	19.39	20	0.042	**0.05**	0.024	**0.03**	-0.03	19	5M_12_6	15K
1	Body	N66	355500	1777.5	DFT-s-OFDM QPSK	Bottom	10mm	\	19.24	20	0.923	**1.10**	0.495	**0.59**	-0.14	19	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Bottom	10mm	53	19.39	20	1.12	**1.29**	0.617	**0.71**	-0.01	19	5M_12_6	15K
1	Body	N66	342500	1712.5	DFT-s-OFDM QPSK	Bottom	10mm	\	19.37	20	1.11	**1.28**	0.603	**0.70**	0.12	19	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Front	10mm	Note1	17.37	17.5	0.217	**0.22**	0.125	**0.13**	-0.04	16.5	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	10mm	Note1	17.37	17.5	0.424	**0.44**	0.238	**0.25**	0.07	16.5	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Left	10mm	Note1	17.37	17.5	<0.01	<0.01	<0.01	<0.01	\	16.5	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Right	10mm	Note1	17.37	17.5	<0.01	<0.01	<0.01	<0.01	\	16.5	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Bottom	10mm	Note1	17.37	17.5	0.623	**0.64**	0.344	**0.35**	0.01	16.5	5M_12_6	15K
1	Body	N66	349000	1745	CP-OFDM 16QAM	Bottom	10mm	Note1	17.15	17.5	0.574	**0.62**	0.314	**0.34**	0.09	16.5	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Front	15mm	\	21.53	22	0.375	**0.42**	0.226	**0.25**	-0.06	21	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	15mm	54	21.53	22	0.712	**0.79**	0.418	**0.47**	0.17	21	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Front	15mm	Note2	20.75	21	0.303	**0.32**	0.175	**0.19**	-0.06	20	5M_12_6	15K
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	15mm	Note2	20.75	21	0.564	**0.60**	0.332	**0.35**	-0.07	20	5M_12_6	15K

Note1: The results are only for DSI8.

Note2: The results are only for DSI9.

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift	Power setting	BW RB	SCS
4	Head	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Cheek Left	0mm	\	21.18	22	0.287	**0.35**	0.14	**0.17**	-0.09	21	20M_25_12	30K
4	Head	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Tilt Left	0mm	\	21.18	22	0.247	**0.30**	0.119	**0.14**	-0.07	21	20M_25_12	30K
4	Head	N77 L-PC2	636000	3540	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.15	22	0.958	**1.17**	0.398	**0.48**	-0.14	21	20M_25_12	30K
4	Head	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.18	22	0.895	**1.08**	0.373	**0.45**	-0.08	21	20M_25_12	30K
4	Head	N77 L-PC2	630668	3460.02	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.16	22	0.846	**1.03**	0.353	**0.43**	0.11	21	20M_25_12	30K
4	Head	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Tilt Right	0mm	\	21.18	22	0.639	**0.77**	0.255	**0.31**	-0.04	21	20M_25_12	30K
4	Head	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Cheek Left	0mm	\	21.35	22	0.497	**0.58**	0.208	**0.24**	-0.01	21	20M_25_12	30K
4	Head	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Tilt Left	0mm	\	21.35	22	0.368	**0.43**	0.15	**0.17**	0.13	21	20M_25_12	30K
4	Head	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.35	22	0.865	**1.00**	0.354	**0.41**	0.04	21	20M_25_12	30K
4	Head	N77 H-PC2	661200	3918	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.17	22	0.876	**1.06**	0.361	**0.44**	-0.1	21	20M_25_12	30K
4	Head	N77 H-PC2	657733	3866	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.21	22	0.935	**1.12**	0.385	**0.46**	0.14	21	20M_25_12	30K
4	Head	N77 H-PC2	654267	3814	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.25	22	0.979	**1.16**	0.402	**0.48**	-0.08	21	20M_25_12	30K
4	Head	N77 H-PC2	650800	3762	DFT-s-OFDM QPSK	Cheek Right	0mm	55	21.33	22	1.06	**1.24**	0.429	**0.50**	-0.05	21	20M_25_12	30K
4	Head	N77 H-PC2	647334	3710.01	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.32	22	0.758	**0.89**	0.453	**0.53**	0.06	21	20M_25_12	30K
4	Head	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Tilt Right	0mm	\	21.35	22	0.611	**0.71**	0.223	**0.26**	0.07	21	20M_25_12	30K
4	Head	N77 H-PC2	650800	3762	CP-OFDM 16QAM	Cheek Right	0mm	\	21.18	22	1.02	**1.23**	0.403	**0.49**	0.11	21	20M_25_12	30K
4	Head	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Cheek Left	0mm	\	18.14	19	0.186	**0.23**	0.086	**0.10**	0.12	18	20M_25_12	30K
4	Head	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Tilt Left	0mm	\	18.14	19	0.149	**0.18**	0.068	**0.08**	0.1	18	20M_25_12	30K
4	Head	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.14	19	0.54	**0.66**	0.225	**0.27**	-0.06	18	20M_25_12	30K
4	Head	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Tilt Right	0mm	\	18.14	19	0.421	**0.51**	0.164	**0.20**	0.1	18	20M_25_12	30K
4	Head	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Cheek Left	0mm	\	18.14	19	0.202	**0.25**	0.085	**0.10**	0.14	18	20M_25_12	30K
4	Head	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Tilt Left	0mm	\	18.42	19	0.217	**0.25**	0.079	**0.09**	0.1	18	20M_25_12	30K
4	Head	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.42	19	0.486	**0.56**	0.201	**0.23**	0.11	18	20M_25_12	30K
4	Head	N77 H-PC3	654267	3814	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.36	19	0.579	**0.67**	0.238	**0.28**	-0.03	18	20M_25_12	30K
4	Head	N77 H-PC3	647334	3710.01	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.27	19	0.664	**0.79**	0.27	**0.32**	0.15	18	20M_25_12	30K
4	Head	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Tilt Right	0mm	\	18.42	19	0.35	**0.40**	0.13	**0.15**	0.15	18	20M_25_12	30K
4	Head	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Cheek Left	0mm	Note1	19.87	20.5	0.244	**0.28**	0.15	**0.17**	0.16	19.5	20M_25_12	30K
4	Head	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Tilt Left	0mm	Note1	19.87	20.5	0.214	**0.25**	0.128	**0.15**	-0.03	19.5	20M_25_12	30K
4	Head	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Cheek Right	0mm	Note1	19.87	20.5	0.651	**0.75**	0.348	**0.40**	0.05	19.5	20M_25_12	30K
4	Head	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Tilt Right	0mm	Note1	19.87	20.5	0.475	**0.55**	0.239	**0.28**	0.06	19.5	20M_25_12	30K
4	Head	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Cheek Left	0mm	Note1	20.13	20.5	0.265	**0.29**	0.15	**0.16**	-0.02	19.5	20M_25_12	30K
4	Head	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Tilt Left	0mm	Note1	20.13	20.5	0.164	**0.18**	0.094	**0.10**	0.13	19.5	20M_25_12	30K
4	Head	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Cheek Right	0mm	Note1	20.13	20.5	0.73	**0.79**	0.288	**0.31**	0.02	19.5	20M_25_12	30K
4	Head	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Tilt Right	0mm	Note1	20.13	20.5	0.374	**0.41**	0.191	**0.21**	0.06	19.5	20M_25_12	30K
4	Head	N77 H-PC2	664666	3969.99	CP-OFDM QPSK	Cheek Right	0mm	Note1	19.88	20.5	0.644	**0.74**	0.232	**0.27**	-0.09	19.5	20M_25_12	30K
4	Head	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Cheek Left	0mm	Note1	16.61	17.5	0.215	**0.26**	0.104	**0.13**	0.1	16.5	20M_25_12	30K
4	Head	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Tilt Left	0mm	Note1	16.61	17.5	0.125	**0.15**	0.06	**0.07**	-0.07	16.5	20M_25_12	30K
4	Head	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Cheek Right	0mm	Note1	16.61	17.5	0.451	**0.55**	0.189	**0.23**	-0.04	16.5	20M_25_12	30K
4	Head	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Tilt Right	0mm	Note1	16.61	17.5	0.308	**0.38**	0.122	**0.15**	0.07	16.5	20M_25_12	30K
4	Head	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Cheek Left	0mm	Note1	16.96	17.5	0.185	**0.21**	0.081	**0.09**	0.06	16.5	20M_25_12	30K
4	Head	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Tilt Left	0mm	Note1	16.96	17.5	0.17	**0.19**	0.073	**0.08**	-0.17	16.5	20M_25_12	30K
4	Head	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Cheek Right	0mm	Note1	16.96	17.5	0.407	**0.46**	0.165	**0.19**	-0.14	16.5	20M_25_12	30K
4	Head	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Tilt Right	0mm	Note1	16.96	17.5	0.251	**0.28**	0.1	**0.11**	0.04	16.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Front	10mm	\	24.36	25.5	0.51	**0.66**	0.255	**0.33**	-0.13	24.5	20M_25_12	30K
4	Body	N77 L-PC2	636000	3540	DFT-s-OFDM QPSK	Rear	10mm	\	24.26	25.5	0.645	**0.86**	0.304	**0.40**	0.01	24.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Rear	10mm	\	24.36	25.5	0.583	**0.76**	0.263	**0.34**	0.02	24.5	20M_25_12	30K
4	Body	N77 L-PC2	630668	3460.02	DFT-s-OFDM QPSK	Rear	10mm	\	24.32	25.5	0.493	**0.65**	0.233	**0.31**	-0.15	24.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Left	10mm	\	24.36	25.5	0.541	**0.70**	0.256	**0.33**	0.06	24.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Right	10mm	\	24.36	25.5	0.051	**0.07**	0.027	**0.04**	0.05	24.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Top	10mm	\	24.36	25.5	0.289	**0.38**	0.137	**0.18**	-0.04	24.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Front	10mm	\	24.65	25.5	0.397	**0.48**	0.189	**0.23**	-0.11	24.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Rear	10mm	\	24.65	25.5	0.747	**0.91**	0.329	**0.40**	-0.04	24.5	20M_25_12	30K
4	Body	N77 H-PC2	661200	3918	DFT-s-OFDM QPSK	Rear	10mm	\	24.41	25.5	0.781	**1.00**	0.353	**0.45**	-0.06	24.5	20M_25_12	30K
4	Body	N77 H-PC2	657733	3866	DFT-s-OFDM QPSK	Rear	10mm	\	24.45	25.5	0.826	**1.05**	0.372	**0.47**	-0.13	24.5	20M_25_12	30K
4	Body	N77 H-PC2	654267	3814	DFT-s-OFDM QPSK	Rear	10mm	\	24.45	25.5	0.854	**1.09**	0.377	**0.48**	0.13	24.5	20M_25_12	30K
4	Body	N77 H-PC2	650800	3762	DFT-s-OFDM QPSK	Rear	10mm	\	24.49	25.5	0.9	**1.14**	0.392	**0.49**	-0.04	24.5	20M_25_12	30K
4	Body	N77 H-PC2	647334	3710.01	DFT-s-OFDM QPSK	Rear	10mm	56	24.6	25.5	0.945	**1.16**	0.409	**0.50**	-0.05	24.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Left	10mm	\	24.65	25.5	0.673	**0.82**	0.314	**0.38**	0.06	24.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Right	10mm	\	24.65	25.5	0.072	**0.09**	0.036	**0.04**	-0.13	24.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Top	10mm	\	24.65	25.5	0.645	**0.78**	0.263	**0.32**	-0.06	24.5	20M_25_12	30K
4	Body	N77 H-PC2	647334	3710.01	CP-OFDM QPSK	Rear	10mm	\	24.47	25.5	0.903	**1.14**	0.381	**0.48**	0.06	24.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Front	10mm	\	21.58	22.5	0.266	**0.33**	0.138	**0.17**	0.06	21.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Rear	10mm	\	21.58	22.5	0.401	**0.50**	0.184	**0.23**	-0.1	21.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Left	10mm	\	21.58	22.5	0.339	**0.42**	0.158	**0.20**	-0.07	21.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Right	10mm	\	21.58	22.5	0.031	**0.04**	0.016	**0.02**	0.11	21.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Top	10mm	\	21.58	22.5	0.161	**0.20**	0.079	**0.10**	-0.03	21.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Front	10mm	\	22.06	22.5	0.272	**0.30**	0.13	**0.14**	-0.14	21.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Rear	10mm	\	22.06	22.5	0.47	**0.52**	0.203	**0.22**	0.03	21.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Left	10mm	\	22.06	22.5	0.464	**0.51**	0.216	**0.24**	0.11	21.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Right	10mm	\	22.06	22.5	0.045	**0.05**	0.022	**0.02**	-0.14	21.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Top	10mm	\	22.06	22.5	0.32	**0.35**	0.131	**0.14**	0.04	21.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Front	10mm	Note2	23.34	24.5	0.483	**0.63**	0.236	**0.31**	0.01	23.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Rear	10mm	Note2	23.34	24.5	0.489	**0.64**	0.219	**0.29**	0.05	23.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Left	10mm	Note2	23.34	24.5	0.536	**0.70**	0.24	**0.31**	-0.16	23.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Right	10mm	Note2	23.34	24.5	0.047	**0.06**	0.023	**0.03**	-0.04	23.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Top	10mm	Note2	23.34	24.5	0.265	**0.35**	0.124	**0.16**	0.05	23.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Front	10mm	Note2	23.7	24.5	0.4	**0.48**	0.184	**0.22**	-0.13	23.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Rear	10mm	Note2	23.7	24.5	0.576	**0.69**	0.257	**0.31**	0.07	23.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Left	10mm	Note2	23.7	24.5	0.657	**0.79**	0.279	**0.34**	-0.07	23.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Right	10mm	Note2	23.7	24.5	0.068	**0.08**	0.033	**0.04**	-0.01	23.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Top	10mm	Note2	23.7	24.5	0.443	**0.53**	0.181	**0.22**	0.09	23.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	CP-OFDM 16QAM	Left	10mm	Note2	23.54	24.5	0.611	**0.76**	0.259	**0.32**	0.13	23.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Front	10mm	Note2	20.6	21.5	0.294	**0.36**	0.14	**0.17**	0.11	20.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Rear	10mm	Note2	20.6	21.5	0.356	**0.44**	0.15	**0.19**	0.05	20.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Left	10mm	Note2	20.6	21.5	0.331	**0.41**	0.14	**0.17**	-0.06	20.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Right	10mm	Note2	20.6	21.5	0.034	**0.04**	0.01	**0.02**	0.04	20.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Top	10mm	Note2	20.6	21.5	0.182	**0.22**	0.08	**0.10**	0.09	20.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Front	10mm	Note2	21.04	21.5	0.266	**0.30**	0.12	**0.13**	0.02	20.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Rear	10mm	Note2	21.04	21.5	0.335	**0.37**	0.15	**0.16**	0.08	20.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Left	10mm	Note2	21.04	21.5	0.43	**0.48**	0.18	**0.20**	0.01	20.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Right	10mm	Note2	21.04	21.5	0.053	**0.06**	0.03	**0.03**	0.18	20.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Top	10mm	Note2	21.04	21.5	0.273	**0.30**	0.11	**0.12**	-0.15	20.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Front	15mm	\	24.36	25.5	0.304	**0.40**	0.158	**0.21**	0.03	24.5	20M_25_12	30K
4	Body	N77 L-PC2	633334	3500.01	DFT-s-OFDM QPSK	Rear	15mm	\	24.36	25.5	0.33	**0.43**	0.159	**0.21**	-0.03	24.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Front	15mm	\	24.65	25.5	0.256	**0.31**	0.125	**0.15**	0.05	24.5	20M_25_12	30K
4	Body	N77 H-PC2	664666	3969.99	DFT-s-OFDM QPSK	Rear	15mm	\	24.65	25.5	0.433	**0.53**	0.194	**0.24**	-0.11	24.5	20M_25_12	30K
4	Body	N77 H-PC2	654267	3814	DFT-s-OFDM QPSK	Rear	15mm	\	24.45	25.5	0.426	**0.54**	0.198	**0.25**	-0.09	24.5	20M_25_12	30K
4	Body	N77 H-PC2	647334	3710.01	DFT-s-OFDM QPSK	Rear	15mm	57	24.6	25.5	0.47	**0.58**	0.211	**0.26**	0.05	24.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Front	15mm	\	21.58	22.5	0.216	**0.27**	0.105	**0.13**	0.13	21.5	20M_25_12	30K
4	Body	N77 L-PC3	633334	3500.01	DFT-s-OFDM QPSK	Rear	15mm	\	21.58	22.5	0.278	**0.34**	0.127	**0.16**	0.07	21.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Front	15mm	\	22.06	22.5	0.194	**0.21**	0.092	**0.10**	-0.08	21.5	20M_25_12	30K
4	Body	N77 H-PC3	664666	3969.99	DFT-s-OFDM QPSK	Rear	15mm	\	22.06	22.5	0.322	**0.36**	0.137	**0.15**	0.11	21.5	20M_25_12	30K
4	Body	N77 H-PC3	654267	3814	DFT-s-OFDM QPSK	Rear	15mm	\	21.98	22.5	0.332	**0.37**	0.143	**0.16**	0.02	21.5	20M_25_12	30K
4	Body	N77 H-PC3	647334	3710.01	DFT-s-OFDM QPSK	Rear	15mm	\	21.85	22.5	0.341	**0.40**	0.152	**0.18**	-0.04	21.5	20M_25_12	30K

Note1: The results are only for DSI7.

Note2: The results are only for DSI8.

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift		Power setting	BW RB	SCS
3	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Cheek Left	0mm	24.02	25	0.006	**0.01**	0.003	**0.00**	0.12		25	100M_135_67	30K
3	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Tilt Left	0mm	24.02	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Cheek Right	0mm	24.02	25	0.007	**0.01**	0.003	**0.00**	0.01		25	100M_135_67	30K
3	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Tilt Right	0mm	24.02	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Cheek Left	0mm	24.52	25	0.005	**0.01**	0.003	**0.00**	0.09		25	100M_135_67	30K
3	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Tilt Left	0mm	24.52	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Cheek Right	0mm	24.52	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Tilt Right	0mm	24.52	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Front	10mm	24.02	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Rear	10mm	24.02	25	0.012	**0.02**	0.004	**0.01**	0.05		25	100M_135_67	30K
3	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Left	10mm	24.02	25	0.007	**0.01**	0.003	**0.00**	0.09		25	100M_135_67	30K
3	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Top	10mm	24.02	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Front	10mm	24.52	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Rear	10mm	24.52	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Left	10mm	24.52	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
3	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Top	10mm	24.52	25	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
2	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Cheek Left	0mm	24.34	25	<0.01	<0.01	<0.01	<0.01	\		24	100M_135_67	30K
2	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Tilt Left	0mm	24.34	25	0.01	**0.01**	0.004	**0.00**	0.06		24	100M_135_67	30K
2	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Cheek Right	0mm	24.34	25	0.01	**0.01**	0.005	**0.01**	-0.07		24	100M_135_67	30K
2	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Tilt Right	0mm	24.34	25	<0.01	<0.01	<0.01	<0.01	\		24	100M_135_67	30K
2	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Cheek Left	0mm	24.29	25	<0.01	<0.01	<0.01	<0.01	\		24	100M_135_67	30K
2	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Tilt Left	0mm	24.29	25	0.012	**0.01**	0.004	**0.00**			24	100M_135_67	30K
2	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Cheek Right	0mm	24.29	25	0.014	**0.02**	0.01	**0.01**	0.01		24	100M_135_67	30K
2	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Tilt Right	0mm	24.29	25	<0.01	<0.01	<0.01	<0.01	\		24	100M_135_67	30K
2	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Front	10mm	24.34	25	0.019	**0.02**	0.008	**0.01**	0.13		24	100M_135_67	30K
2	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Rear	10mm	24.34	25	0.042	**0.05**	0.021	**0.02**	0.06		24	100M_135_67	30K
2	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Left	10mm	24.34	25	0.043	**0.05**	0.022	**0.03**	-0.03		24	100M_135_67	30K
2	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Bottom	10mm	24.34	25	0.014	**0.02**	0.005	**0.01**	0.02		24	100M_135_67	30K
2	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Front	10mm	24.29	25	0.025	**0.03**	0.012	**0.01**	0.09		24	100M_135_67	30K
2	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Rear	10mm	24.29	25	0.05	**0.06**	0.026	**0.03**	0.09		24	100M_135_67	30K
2	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Left	10mm	24.29	25	0.045	**0.05**	0.022	**0.03**	-0.11		24	100M_135_67	30K
2	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Bottom	10mm	24.29	25	0.019	**0.02**	0.005	**0.01**	-0.12		24	100M_135_67	30K
6	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Cheek Left	0mm	21.98	23	0.079	**0.10**	0.029	**0.04**	0.01		25	100M_135_67	30K
6	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Tilt Left	0mm	21.98	23	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
6	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Cheek Right	0mm	21.98	23	0.038	**0.05**	0.013	**0.02**	0.03		25	100M_135_67	30K
6	Head	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Tilt Right	0mm	21.98	23	<0.01	<0.01	<0.01	<0.01	\		25	100M_135_67	30K
6	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Cheek Left	0mm	22.34	23	0.062	**0.07**	0.015	**0.02**	-0.03		25	100M_135_67	30K
6	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Tilt Left	0mm	22.34	23	0.046	**0.05**	0.013	**0.02**	-0.14		25	100M_135_67	30K
6	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Cheek Right	0mm	22.34	23	0.073	**0.08**	0.024	**0.03**	0.04		25	100M_135_67	30K
6	Head	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Tilt Right	0mm	22.34	23	0.041	**0.05**	0.013	**0.02**	0.05		25	100M_135_67	30K
6	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Front	10mm	21.98	23	0.028	**0.04**	0.007	**0.01**	-0.07		25	100M_135_67	30K
6	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Rear	10mm	21.98	23	0.075	**0.09**	0.033	**0.04**	-0.17		25	100M_135_67	30K
6	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Right	10mm	21.98	23	0.109	**0.14**	0.045	**0.06**	-0.09		25	100M_135_67	30K
6	Body	N77 L-SRS	633334	3500.01	DFT-s-OFDM QPSK	Top	10mm	21.98	23	0.042	**0.05**	0.013	**0.02**	0.06		25	100M_135_67	30K
6	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Front	10mm	22.34	23	0.032	**0.04**	0.007	**0.01**	0.05		25	100M_135_67	30K
6	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Rear	10mm	22.34	23	0.079	**0.09**	0.033	**0.04**	-0.06		25	100M_135_67	30K
6	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Right	10mm	22.34	23	0.101	**0.12**	0.039	**0.05**	0.03		25	100M_135_67	30K
6	Body	N77 H-SRS	650000	3750	DFT-s-OFDM QPSK	Top	10mm	22.34	23	0.068	**0.08**	0.016	**0.02**	-0.11		25	100M_135_67	30K

Note: The results are only for SRS.

14.3 WLAN Evaluation for WIFI/BT

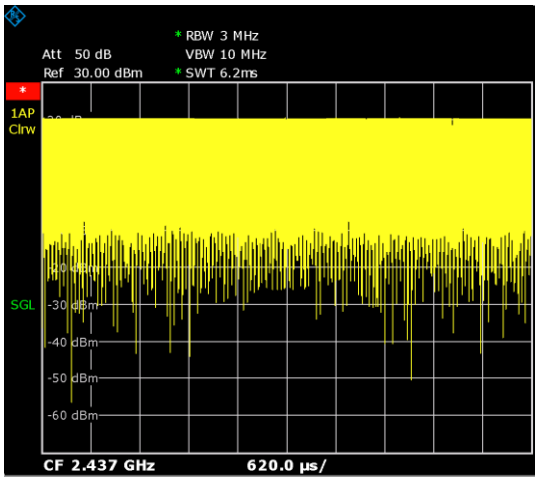
The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures.

When the same transmission mode configurations have the same maximum output power on the same channel for the 802.11 a/g/n/ac/ax modes, the channel in the lower order/sequence 802.11 mode (i.e. a, g, n ac then ax) is selected.

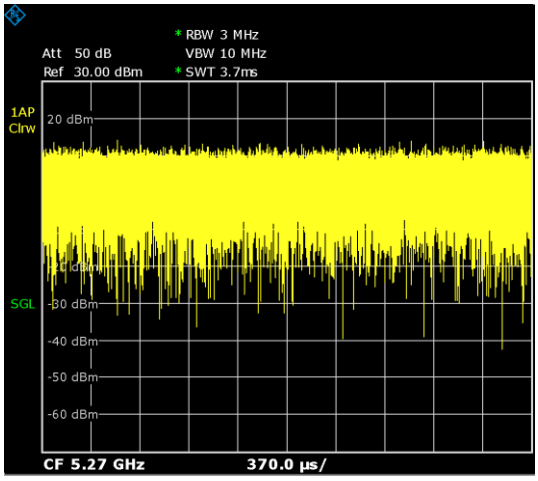
SAR Test reduction was applied from KDB 248227 guidance, when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band. Additional output power measurements were not deemed necessary.

Duty factor plot

Wifi2.4G



WIFI5G



ANT	RF Exposure Condition	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
7	Head	WIFI2.4G	11	2462	WIFI 802.11b 1M	Cheek Left	0mm	\	18.03	19	0.786	**0.98**	0.397	**0.50**	-0.01
7	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Cheek Left	0mm	64	18.11	19	0.908	**1.11**	0.456	**0.56**	-0.06
7	Head	WIFI2.4G	1	2412	WIFI 802.11b 1M	Cheek Left	0mm	\	17.94	19	0.863	**1.10**	0.425	**0.54**	-0.15
7	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Tilt Left	0mm	\	18.23	19	0.674	**0.80**	0.326	**0.39**	-0.06
7	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Cheek Right	0mm	\	18.23	19	0.253	**0.30**	0.149	**0.18**	0.11
7	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Tilt Right	0mm	\	18.23	19	0.277	**0.33**	0.144	**0.17**	-0.01
7	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Cheek Left	0mm	Note1	16.1	17	0.601	**0.74**	0.295	**0.36**	-0.03
7	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Tilt Left	0mm	Note1	16.1	17	0.516	**0.63**	0.237	**0.29**	0.09
7	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Cheek Right	0mm	Note1	16.1	17	0.239	**0.29**	0.136	**0.17**	-0.11
7	Head	WIFI2.4G	6	2437	WIFI 802.11b 1M	Tilt Right	0mm	Note1	16.1	17	0.238	**0.29**	0.12	**0.15**	0.02
7	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Front	10mm	\	19.11	20	0.254	**0.31**	0.143	**0.18**	-0.15
7	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Rear	10mm	\	19.11	20	0.213	**0.26**	0.117	**0.14**	0.11
7	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Right	10mm	\	19.11	20	0.22	**0.27**	0.12	**0.15**	-0.08
7	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Top	10mm	65	19.11	20	0.296	**0.36**	0.155	**0.19**	0.01
7	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Front	15mm	66	19.11	20	0.14	**0.17**	0.082	**0.10**	-0.03
7	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Rear	15mm	\	19.11	20	0.095	**0.12**	0.052	**0.06**	-0.04
7	Head	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Cheek Left	0mm	\	15.07	15.5	0.841	**0.93**	0.233	**0.26**	0.11
7	Head	WIFI5G	54	5270	WIFI 802.11n-40M MCS0	Cheek Left	0mm	\	15	15.5	0.848	**0.95**	0.25	**0.28**	-0.15
7	Head	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Tilt Left	0mm	\	15.07	15.5	0.92	**1.02**	0.254	**0.28**	0.15
7	Head	WIFI5G	54	5270	WIFI 802.11n-40M MCS0	Tilt Left	0mm	67	15	15.5	0.97	**1.09**	0.279	**0.31**	-0.06
7	Head	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Cheek Right	0mm	\	15.07	15.5	0.374	**0.41**	0.121	**0.13**	-0.09
7	Head	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Tilt Right	0mm	\	15.07	15.5	0.497	**0.55**	0.16	**0.18**	0.01
7	Head	WIFI5G	102	5510	WIFI 802.11n-40M MCS0	Cheek Left	0mm	\	15.12	15.5	0.592	**0.65**	0.174	**0.19**	0.09
7	Head	WIFI5G	102	5510	WIFI 802.11n-40M MCS0	Tilt Left	0mm	\	15.12	15.5	0.718	**0.78**	0.201	**0.22**	0.06
7	Head	WIFI5G	102	5510	WIFI 802.11n-40M MCS0	Cheek Right	0mm	\	15.12	15.5	0.332	**0.36**	0.108	**0.12**	-0.14
7	Head	WIFI5G	102	5510	WIFI 802.11n-40M MCS0	Tilt Right	0mm	\	15.12	15.5	0.416	**0.45**	0.125	**0.14**	-0.06
7	Head	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Cheek Left	0mm	\	15.19	15.5	0.622	**0.67**	0.175	**0.19**	-0.1
7	Head	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Tilt Left	0mm	\	15.19	15.5	0.688	**0.74**	0.192	**0.21**	-0.06
7	Head	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Cheek Right	0mm	\	15.19	15.5	0.333	**0.36**	0.105	**0.11**	0.03
7	Head	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Tilt Right	0mm	\	15.19	15.5	0.398	**0.43**	0.124	**0.13**	-0.05
7	Head	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Cheek Left	0mm	Note1	13.12	13.5	0.622	**0.68**	0.178	**0.19**	0.02
7	Head	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Tilt Left	0mm	Note1	13.12	13.5	0.688	**0.75**	0.201	**0.22**	-0.11
7	Head	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Cheek Right	0mm	Note1	13.12	13.5	0.248	**0.27**	0.084	**0.09**	0.01
7	Head	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Tilt Right	0mm	Note1	13.12	13.5	0.352	**0.38**	0.117	**0.13**	0.14
7	Head	WIFI5G	102	5510	WIFI 802.11n-40M MCS0	Cheek Left	0mm	Note1	13.15	13.5	0.47	**0.51**	0.137	**0.15**	-0.11
7	Head	WIFI5G	102	5510	WIFI 802.11n-40M MCS0	Tilt Left	0mm	Note1	13.15	13.5	0.507	**0.55**	0.157	**0.17**	-0.08
7	Head	WIFI5G	102	5510	WIFI 802.11n-40M MCS0	Cheek Right	0mm	Note1	13.15	13.5	0.197	**0.21**	0.067	**0.07**	0.1
7	Head	WIFI5G	102	5510	WIFI 802.11n-40M MCS0	Tilt Right	0mm	Note1	13.15	13.5	0.279	**0.30**	0.092	**0.10**	-0.07
7	Head	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Cheek Left	0mm	Note1	13.13	13.5	0.397	**0.43**	0.121	**0.13**	-0.04
7	Head	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Tilt Left	0mm	Note1	13.13	13.5	0.456	**0.50**	0.135	**0.15**	-0.08
7	Head	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Cheek Right	0mm	Note1	13.13	13.5	0.232	**0.25**	0.079	**0.09**	-0.14
7	Head	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Tilt Right	0mm	Note1	13.13	13.5	0.257	**0.28**	0.083	**0.09**	0.06
7	Body	WIFI5G	54	5270	WIFI 802.11n-40M MCS0	Front	10mm	\	17.52	18.5	0.316	**0.40**	0.121	**0.15**	0.09
7	Body	WIFI5G	54	5270	WIFI 802.11n-40M MCS0	Rear	10mm	\	17.52	18.5	0.551	**0.69**	0.208	**0.26**	-0.05
7	Body	WIFI5G	54	5270	WIFI 802.11n-40M MCS0	Right	10mm	\	17.52	18.5	0.476	**0.60**	0.188	**0.24**	0.11
7	Body	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Top	10mm	\	15.54	17.5	0.367	**0.58**	0.147	**0.23**	0.06
7	Body	WIFI5G	54	5270	WIFI 802.11n-40M MCS0	Top	10mm	68	17.52	18.5	0.816	**1.02**	0.323	**0.40**	0.01
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Front	10mm	\	17.85	18.5	0.245	**0.28**	0.099	**0.11**	-0.09
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Rear	10mm	\	17.85	18.5	0.421	**0.49**	0.173	**0.20**	0.08
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Right	10mm	\	17.85	18.5	0.3	**0.35**	0.136	**0.16**	0.12
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Top	10mm	\	17.85	18.5	0.632	**0.73**	0.258	**0.30**	-0.11
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Front	10mm	\	17.91	18.5	0.27	**0.31**	0.104	**0.12**	0.12
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Rear	10mm	\	17.91	18.5	0.456	**0.52**	0.176	**0.20**	0.12
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Right	10mm	\	17.91	18.5	0.324	**0.37**	0.129	**0.15**	-0.15
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Top	10mm	\	17.91	18.5	0.641	**0.73**	0.256	**0.29**	0.14
7	Body	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Front	10mm	Note2	14.63	15	0.168	**0.18**	0.068	**0.07**	-0.06
7	Body	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Rear	10mm	Note2	14.63	15	0.28	**0.30**	0.116	**0.13**	-0.12
7	Body	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Right	10mm	Note2	14.63	15	0.188	**0.20**	0.083	**0.09**	0.11
7	Body	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Top	10mm	Note2	14.63	15	0.407	**0.44**	0.169	**0.18**	-0.01
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Front	10mm	Note2	14.52	15	0.138	**0.15**	0.054	**0.06**	-0.06
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Rear	10mm	Note2	14.52	15	0.232	**0.26**	0.096	**0.11**	0.1
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Right	10mm	Note2	14.52	15	0.198	**0.22**	0.081	**0.09**	0.15
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Top	10mm	Note2	14.52	15	0.3	**0.34**	0.134	**0.15**	0.18
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Front	10mm	Note2	14.7	15	0.118	**0.13**	0.047	**0.05**	-0.06
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Rear	10mm	Note2	14.7	15	0.275	**0.29**	0.11	**0.12**	-0.15
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Right	10mm	Note2	14.7	15	0.204	**0.22**	0.085	**0.09**	-0.14
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Top	10mm	Note2	14.7	15	0.369	**0.40**	0.153	**0.16**	-0.02
7	Body	WIFI5G	54	5270	WIFI 802.11n-40M MCS0	Front	15mm	\	17.52	18.5	0.185	**0.23**	0.08	**0.10**	-0.06
7	Body	WIFI5G	54	5270	WIFI 802.11n-40M MCS0	Rear	15mm	\	17.52	18.5	0.408	**0.51**	0.173	**0.22**	0.19
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Front	15mm	\	17.82	18.5	0.161	**0.19**	0.066	**0.08**	0.03
7	Body	WIFI5G	110	5550	WIFI 802.11n-40M MCS0	Rear	15mm	\	17.82	18.5	0.365	**0.43**	0.155	**0.18**	0.11
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Front	15mm	\	17.91	18.5	0.266	**0.30**	0.111	**0.13**	-0.06
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Rear	15mm	69	17.91	18.5	0.445	**0.51**	0.188	**0.22**	0.05
7	Head	BT	78	2480	DH5	Cheek Left	0mm	70	10.1	11	0.118	**0.15**	0.06	**0.07**	-0.04
7	Head	BT	78	2480	DH5	Tilt Left	0mm	\	10.1	11	0.096	**0.12**	0.047	**0.06**	-0.02
7	Head	BT	78	2480	DH5	Cheek Right	0mm	\	10.1	11	0.047	**0.06**	0.029	**0.04**	-0.04
7	Head	BT	78	2480	DH5	Tilt Right	0mm	\	10.1	11	0.05	**0.06**	0.026	**0.03**	0.07
7	Body	BT	78	2480	DH5	Front	10mm	\	10.1	11	<0.01	<0.01	<0.01	<0.01	\
7	Body	BT	78	2480	DH5	Rear	10mm	71	10.1	11	0.019	**0.02**	0.011	**0.01**	0.03
7	Body	BT	78	2480	DH5	Right	10mm	\	10.1	11	<0.01	<0.01	<0.01	<0.01	\
7	Body	BT	78	2480	DH5	Top	10mm	\	10.1	11	<0.01	<0.01	<0.01	<0.01	\
7	Body	BT	78	2480	DH5	Front	15mm	\	10.1	11	<0.01	<0.01	<0.01	<0.01	\
7	Body	BT	78	2480	DH5	Rear	15mm	\	10.1	11	<0.01	<0.01	<0.01	<0.01	\

14.4 SAR results for 10-g extremity SAR

According to the KDB648474 D04, the UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB Publication 865664 D01 to address interactive hand use exposure conditions. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg. If power reduction applied for hotspot mode, the SAR values should be scaled to normal power, and then compare it with 1.2W/kg.

Scaled SAR for Phablet evaluation procedure							
Band	**ANT**	**Position**	**SAR 1g (W/kg)**	**Tune up(dBm) for Hotspot**	**Tune up(dBm) for Body-worn**	**Scaled SAR**	**>1.2**
WCDMA B2	1	Rear 10mm	0.62	21.5	23.5	**0.98**	**No**
WCDMA B2	1	Bottom 10mm	1.26	21.5	23.5	**2.00**	**Yes**
WCDMA B4	1	Rear 10mm	1.05	20.5	23	**1.87**	**Yes**
WCDMA B4	1	Bottom 10mm	1.21	20.5	23	**2.15**	**Yes**
LTE B2	1	Rear 10mm	0.58	21.5	23	**0.82**	**No**
LTE B2	1	Bottom 10mm	1.19	21.5	23	**1.68**	**Yes**
LTE B66	1	Rear 10mm	0.99	20.5	23	**1.76**	**Yes**
LTE B66	1	Bottom 10mm	1.27	20.5	23	**2.26**	**Yes**
LTE B30	5	Top 10mm	0.7	19	21	**1.11**	**No**
LTE B66	5	Top 10mm	0.65	23.5	24.5	**0.82**	**No**
N2	1	Rear 10mm	0.5	21	22.5	**0.71**	**No**
N2	1	Bottom 10mm	1.26	21	22.5	**1.78**	**Yes**
N66	1	Rear 10mm	1	20	22	**1.58**	**Yes**
N66	1	Bottom 10mm	1.29	20	22	**2.04**	**Yes**
N2	5	Top 10mm	0.75	22	23.5	**1.06**	**No**

Phablet SAR results is below:

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	Body	WCDMA1900	9538	1907.6	RMC	Bottom	0mm	22.82	23.5	5.52	**6.46**	2.36	**2.76**	-0.16
1	Body	WCDMA1900	9400	1880	RMC	Bottom	0mm	22.96	23.5	5.91	**6.69**	2.67	**3.02**	0.01
1	Body	WCDMA1900	9262	1852.4	RMC	Bottom	0mm	22.69	23.5	5.65	**6.81**	2.62	**3.16**	0.03
1	Body	WCDMA1700	1513	1752.6	RMC	Rear	0mm	22.14	23	5.09	**6.20**	2.38	**2.90**	0.03
1	Body	WCDMA1700	1412	1732.5	RMC	Rear	0mm	22.18	23	5.34	**6.45**	2.42	**2.92**	0.13
1	Body	WCDMA1700	1312	1712.4	RMC	Rear	0mm	22.2	23	5.42	**6.52**	2.43	**2.92**	0.04
1	Body	WCDMA1700	1513	1752.6	RMC	Bottom	0mm	22.14	23	5.7	**6.95**	2.56	**3.12**	0.12
1	Body	WCDMA1700	1412	1732.5	RMC	Bottom	0mm	22.18	23	5.79	**6.99**	2.54	**3.07**	0.07
1	Body	WCDMA1700	1312	1712.4	RMC	Bottom	0mm	22.2	23	5.65	**6.79**	2.6	**3.13**	0.01
1	Body	LTE Band2	19100	1900	1RB-High	Bottom	0mm	22.55	23	6.37	**7.07**	2.84	**3.15**	0.09
1	Body	LTE Band2	18900	1880	1RB-High	Bottom	0mm	22.69	23	6.58	**7.07**	2.96	**3.18**	0.02
1	Body	LTE Band2	18700	1860	1RB-High	Bottom	0mm	22.48	23	6.22	**7.01**	2.8	**3.16**	0.01
1	Body	LTE Band66	132572	1770	1RB-Low	Rear	0mm	22.47	23	5.26	**5.94**	2.44	**2.76**	0.07
1	Body	LTE Band66	132322	1745	1RB-Low	Rear	0mm	22.5	23	5.4	**6.06**	2.53	**2.84**	0.02
1	Body	LTE Band66	132072	1720	1RB-Low	Rear	0mm	22.44	23	5.33	**6.06**	2.52	**2.87**	-0.01
1	Body	LTE Band66	132572	1770	1RB-Low	Bottom	0mm	22.47	23	6.21	**7.02**	2.75	**3.11**	-0.09
1	Body	LTE Band66	132322	1745	1RB-Low	Bottom	0mm	22.54	23	6.24	**6.94**	2.85	**3.17**	0.02
1	Body	LTE Band66	132072	1720	1RB-Low	Bottom	0mm	22.44	23	5.83	**6.63**	2.58	**2.94**	0.1

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
1	Body	N2	381500	1907.5	DFT-s-OFDM QPSK	Bottom	0mm	\	21.7	22.5	5.25	**6.31**	2.38	**2.86**	-0.09
1	Body	N2	376000	1880	DFT-s-OFDM QPSK	Bottom	0mm	\	21.75	22.5	4.9	**5.82**	2.18	**2.59**	0.15
1	Body	N2	370500	1852.5	DFT-s-OFDM QPSK	Bottom	0mm	\	21.66	22.5	5.61	**6.81**	2.49	**3.02**	0.02
1	Body	N66	355500	1777.5	DFT-s-OFDM QPSK	Rear	0mm	SA	21.48	22	4.94	**5.57**	2.06	**2.32**	0.03
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	0mm	SA	21.53	22	4.88	**5.44**	2.05	**2.28**	-0.08
1	Body	N66	342500	1712.5	DFT-s-OFDM QPSK	Rear	0mm	SA	21.51	22	5.03	**5.63**	2.15	**2.41**	-0.02
1	Body	N66	355500	1777.5	DFT-s-OFDM QPSK	Bottom	0mm	SA	21.48	22	5.76	**6.49**	2.4	**2.71**	-0.16
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Bottom	0mm	SA	21.53	22	6.21	**6.92**	2.48	**2.76**	-0.02
1	Body	N66	342500	1712.5	DFT-s-OFDM QPSK	Bottom	0mm	SA	21.51	22	6.02	**6.74**	2.46	**2.75**	-0.07
1	Body	N66	355500	1777.5	DFT-s-OFDM QPSK	Bottom	0mm	NSA	20.72	21	4.22	**4.50**	1.87	**1.99**	0.03
1	Body	N66	349000	1745	DFT-s-OFDM QPSK	Bottom	0mm	NSA	20.75	21	4.46	**4.72**	1.99	**2.11**	-0.01
1	Body	N66	342500	1712.5	DFT-s-OFDM QPSK	Bottom	0mm	NSA	20.72	21	4.43	**4.73**	1.97	**2.10**	0.02

ANT	RF Exposure Condition	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test Position	Distance	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
7	Body	WIFI2.4G	6	2437	WIFI 802.11b 1M	Rear	0mm	19.11	20	1.79	**2.20**	0.74	**0.91**	-0.19
7	Body	WIFI5G	62	5310	WIFI 802.11n-40M MCS0	Rear	0mm	17.52	18.5	3.49	**4.37**	**0.94**	**1.18**	-0.01
7	Body	WIFI5G	102	5510	WIFI 802.11n-40M MCS0	Rear	0mm	17.82	18.5	2.78	**3.25**	**0.67**	**0.78**	-0.06
7	Body	WIFI5G	159	5795	WIFI 802.11n-40M MCS0	Rear	0mm	17.82	18.5	2.87	**3.36**	**0.75**	**0.88**	0.07
7	Body	BT	78	2480	DH5	Rear	0mm	10.1	11	0.171	**0.21**	0.071	**0.09**	0.06

15 SAR Measurement Variability

SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

The following procedures are applied to determine if repeated measurements are required.

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps2) 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 ≥ 1.45W/kg (~ 10% from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20

Band	ANT	Channel Number	Frequency (MHz)	Mode/RB	Test setup	Distance	Hightest Measured SAR(W/kg)	First Repeated SAR(W/kg)	The Ratio	Second Repeated SAR(W/kg)
WCDMA B2	1	9262	1852.4	RMC	Bottom	10mm	1.01	0.985	1.03	\
WCDMA B4	1	1412	1732.5	RMC	Rear	10mm	0.873	0.866	1.01	\
WCDMA B4	1	1312	1712.4	RMC	Bottom	10mm	0.991	0.971	1.02	\
WCDMA B4	1	1312	1712.4	RMC	Bottom	15mm	0.864	0.843	1.02	\
LTE B2	1	18900	1880	1RB-Low	Bottom	10mm	0.996	0.978	1.02	\
LTE B7	1	20850	2510	1RB-Low	Rear	10mm	1.14	1.120	1.02	\
LTE B7	1	20850	2510	1RB-Low	Bottom	10mm	1.09	1.060	1.03	\
LTE B66	1	132322	1745	1RB-High	Rear	10mm	0.837	0.832	1.01	\
LTE B66	1	132322	1745	1RB-High	Bottom	10mm	1.07	1.040	1.03	\
LTE B66	1	132322	1745	1RB-Low	Rear	15mm	0.809	0.803	1.01	\
N2	1	370500	1852.5	DFT-s-OFDM QPSK	Bottom	10mm	1.03	1.020	1.01	\
N66	1	349000	1745	DFT-s-OFDM QPSK	Bottom	10mm	1.12	1.110	1.01	\
N77	4	650800	3762	DFT-s-OFDM QPSK	Cheek Right	0mm	1.06	1.030	1.03	\
N77	4	647334	3710.01	DFT-s-OFDM QPSK	Rear	10mm	0.945	0.941	1.00	\
WIFI2.4G	7	6	2437	WIFI 802.11b 1M	Cheek Left	0mm	0.908	0.903	1.01	\
WIFI5G	7	54	5270	WIFI 802.11n-40M MCS0	Cheek Left	0mm	0.848	0.821	1.03	\
WIFI5G	7	54	5270	WIFI 802.11n-40M MCS0	Tilt Left	0mm	0.97	0.963	1.01	\

16 Measurement Uncertainty

16.1 Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.0	N	1	1	1	6.0	6.0	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	N	1	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. restrictions	B	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	∞
12	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
14	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
15	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
16	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
17	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
18	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
19	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
20	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
21	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521

Combined standard uncertainty	$u_c^{'} = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$					9.55	9.43	257
Expanded uncertainty (confidence interval of 95 %)	$u_e = 2u_c$					19.1	18.9	

16.2 Measurement Uncertainty for Normal SAR Tests (3~6GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.55	N	1	1	1	6.55	6.55	∞
2	Isotropy	B	4.7	R	√3	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	2.0	R	√3	1	1	1.2	1.2	∞
4	Linearity	B	4.7	R	√3	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	R	√3	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	√3	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	√3	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	√3	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	√3	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	√3	1	1	0	0	∞
11	Probe positioned mech. restrictions	B	0.8	R	√3	1	1	0.5	0.5	∞
12	Probe positioning with respect to phantom shell	B	6.7	R	√3	1	1	3.9	3.9	∞
13	Post-processing	B	4.0	R	√3	1	1	2.3	2.3	∞
Test sample related										
14	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
15	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
16	Drift of output power	B	5.0	R	√3	1	1	2.9	2.9	∞
Phantom and set-up										
17	Phantom uncertainty	B	4.0	R	√3	1	1	2.3	2.3	∞
18	Liquid conductivity (target)	B	5.0	R	√3	0.64	0.43	1.8	1.2	∞
19	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
20	Liquid permittivity (target)	B	5.0	R	√3	0.6	0.49	1.7	1.4	∞

21	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty		$u_c^{'} = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$						10.7	10.6	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						21.4	21.1	

16.3 Measurement Uncertainty for Fast SAR Tests (300MHz~3GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.0	N	1	1	1	6.0	6.0	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. Restrictions	B	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	∞
12	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
14	Fast SAR z-Approximation	B	7.0	R	$\sqrt{3}$	1	1	4.0	4.0	∞
Test sample related										
15	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
16	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
17	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
18	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
19	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞

20	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
21	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty		$u_c^{'} = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						10.4	10.3	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						20.8	20.6	

16.4 Measurement Uncertainty for Fast SAR Tests (3~6GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.55	N	1	1	1	6.55	6.55	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	2.0	R	$\sqrt{3}$	1	1	1.2	1.2	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. Restrictions	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
12	Probe positioning with respect to phantom shell	B	6.7	R	$\sqrt{3}$	1	1	3.9	3.9	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
14	Fast SAR z-Approximation	B	14.0	R	$\sqrt{3}$	1	1	8.1	8.1	∞
Test sample related										
15	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
16	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5

17	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
18	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
19	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
20	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
21	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty		$u_c^{'} = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						13.5	13.4	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						27.0	26.8	

17 MAIN TEST INSTRUMENTS

Table 17.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	E5071C	MY46110673	December 25, 2023	One year
02	Power sensor	NRP110T	101139	January 13, 2024	One year
03	Power sensor	NRP110T	101159	January 13, 2024	One year
04	Signal Generator	E4438C	MY49071430	December 25, 2023	One year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	CMW500	159890	January 9, 2024	One year
07	E-field Probe	SPEAG EX3DV4	7825	September 27, 2023	One year
08	DAE	SPEAG DAE4	1744	August 30, 2023	One year
09	Dipole Validation Kit	SPEAG D750V3	1017	July 14,2023	One year
10	Dipole Validation Kit	SPEAG D835V2	4d069	July 14,2023	One year
11	Dipole Validation Kit	SPEAG D1800V2	2d145	July 12,2023	One year
12	Dipole Validation Kit	SPEAG D1900V2	5d101	July 17,2023	One year
13	Dipole Validation Kit	SPEAG D2300V2	1018	July 11,2023	One year
14	Dipole Validation Kit	SPEAG D2600V2	1012	July 11,2023	One year
15	Dipole Validation Kit	SPEAG D3500V2	1016	June 21,2023	One year
16	Dipole Validation Kit	SPEAG D3700V2	1004	June 21,2023	One year
17	Dipole Validation Kit	SPEAG D3900V2	1024	June 21,2023	One year
18	Dipole Validation Kit	SPEAG D5GHzV2	1060	June 19,2023	One year

END OF REPORT BODY

Appendixes

Refer to separated files for the following appendixes

ANNEX A Graph Results

ANNEX B System Verification Results

ANNEX C SAR Measurement Setup

ANNEX D Position of the wireless device in relation to the phantom

ANNEX E Equivalent Media Recipes

ANNEX F System Validation

ANNEX G Probe Calibration Certificate

ANNEX H Dipole Calibration Certificate

ANNEX I Accreditation Certificate