



SAR TEST REPORT

No. 25T04Z100884-020

For

Shenzhen Tinno Mobile Technology Corp.

Smart Phone

Model Name: U656AA,U656AC

FCC ID: XD6U656AA

with

Hardware Version: V1.0

Software Version: U656AAV01.07.10/U656ACV01.18.10

Issued Date: 2025-7-4

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:

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REPORT HISTORY

Report Number	Revision	Issue Date	Description
25T04Z100884-020	Rev.0	2025-6-29	Initial creation of test report
25T04Z100884-020	Rev.1	2025-7-4	Update testing End date in section 1.4; Update information for the The tune-up power for WCDMA HSPA+ on page 25-26; Update information for the E-field Probe 7892/DAE 1525 on equipment List

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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: 18-25°C

Relative Humidity: 30-70%

1.4. Project data

Testing Start Date: 2025-5-12

Testing End Date: 2025-6-22

1.5. Signature



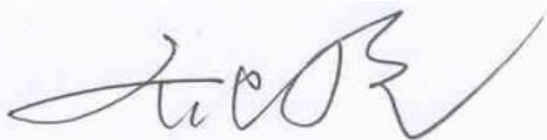
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(Prepared this test report)



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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 U656AA are as follows:

Table 2.1: Highest Reported SAR (1g)

Technology Band	Antenna	Head	Hotspot	Body Worn	Phablet-10g
WCDMA1900	0	0.17	1.00	0.74	3.23
WCDMA1700	0	0.15	1.02	1.12	3.33
WCDMA 850	0	0.26	0.41	0.37	\
LTE Band2	0	0.22	1.12	0.70	1.21
LTE Band2	4	1.04	1.18	0.83	2.23
LTE Band4	0	0.15	1.05	1.13	2.55
LTE Band5	0	0.41	0.47	0.34	\
LTE Band7	0	0.06	0.94	0.89	2.73
LTE Band12	0	0.36	0.46	0.44	\
LTE Band12	4	0.52	0.12	0.09	\
LTE Band14	0	0.34	0.46	0.34	\
LTE Band30	0	0.17	1.00	0.52	3.23
LTE Band30	4	1.04	1.05	0.96	2.35
LTE Band66	0	0.18	1.05	0.72	2.39
LTE Band66	4	1.01	0.99	0.61	2.26
5G NR n2	0	0.21	1.01	0.51	3.10
5G NR n2	4	0.88	1.03	0.71	3.10
5G NR n5	0	0.35	0.45	0.35	\
5G NR n30	0	0.16	0.99	0.51	2.82
5G NR n30	4	1.11	1.24	1.04	2.89
5G NR n66	0	0.12	0.97	1.09	2.72
5G NR n66	4	0.82	0.73	0.78	2.75
5G NR n77-L PC2	3	1.12	1.20	0.97	3.11
5G NR n77-H PC2	3	1.00	1.16	0.72	3.04
5G NR n77-L PC3	3	1.21	1.11	0.69	3.13
5G NR n77-H PC3	3	1.13	0.92	0.40	\
5G NR n77-L PC2	1	<0.01	0.06	0.03	\
5G NR n77-H PC2	1	0.01	0.05	<0.01	\
5G NR n77-L PC3	1	0.13	0.03	0.02	\
5G NR n77-H PC3	1	<0.01	0.03	<0.01	\
5G NR n77-L PC2	2	0.02	0.03	0.06	\
5G NR n77-H PC2	2	<0.01	0.22	0.09	\
5G NR n77-L PC3	2	<0.01	0.09	0.04	\
5G NR n77-H PC3	2	<0.01	0.09	0.04	\
5G NR n77-L PC2	6	0.09	0.11	0.05	\
5G NR n77-H PC2	6	0.14	0.39	0.18	\
5G NR n77-L PC3	6	0.02	0.05	0.02	\

5G NR n77-H PC3	6	0.08	0.17	0.07	\
WLAN 2.4GHz	5	0.99	0.39	0.18	\
WLAN 5GHz	5	1.13	0.98	0.69	1.68
BT	5	0.05	<0.01	<0.01	\

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: 1.21 W/kg(1g)

Hotspot: 1.24 W/kg(1g)

Body worn: 1.13 W/kg(1g).

Table 2.2: Simultaneous Transmission-Head

	Position	ENDC-LTE	ENDC-NR	WiFi	BT	Sum
Highest SAR value for Head	Left Tilt	0.20 (LTEB5 ANT0)	0.90 (N77 ANT3)	0.33 (WiFi5G)	0.05	1.48

Note1: the test positions of above tables are for the worse case that have been evaluated.

Table 2.3: Simultaneous Transmission-Body

	Position	ENDC-LTE	ENDC-NR	WiFi	BT	Sum
Highest SAR value for Body	Rear 15mm	0.61 (LTEB66 ANT4)	0.67 (N66 ANT0)	0.30 (WiFi5G)	<0.01	1.58

Note1: the test positions of above tables are for the worse case that have been evaluated.

According to the above tables, the highest sum of reported SAR values is **1.58W/kg (1g)**. The detail for simultaneous transmission consideration is described in chapter 13.

Conclusion:

According to the above tables, the sum of reported SAR values is <1.6W/kg for 1g SAR. So the simultaneous transmission SAR with volume scans is not required.

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
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Telephone:	0755-86095550
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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:	U656AA,U656AC
Operating mode(s):	WCDMA850/1700/1900 LTE Band 2/4/5/7/12/14/30/66 BT, NFC, Wi-Fi(2.4G/5G), NR 5G n2/n5/n30/n66/n77
Tested Tx Frequency:	824 – 849 MHz (WCDMA850 Band V)
	1710-1755 MHz (WCDMA1700 Band IV)
	1850 – 1910 MHz (WCDMA1900 Band II)
	1850.7 – 1909.3 MHz (LTE Band 2)
	1710 – 1755 MHz (LTE Band 4)
	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)
Test device Production information:	Production unit
Device type:	Portable device
Antenna type:	Integrated antenna
Hotspot mode:	Support

4.2 Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version
EUT1	868992070009088/868992070012082	V1.0	U656AAV01.07.10
EUT2	868992070009476/868992070012470	V1.0	U656AAV01.07.10
EUT3	868992070009245/868992070012249	V1.0	U656AAV01.07.10
EUT4	868992070001051/868992070004055	V1.0	U656AAV01.07.10

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

Note1: It is performed to test SAR with the EUT1-2 and conducted power with the EUT3-4.

Note2: According to the PED declaration file from manufacturer, U656AA and U656AC use the same FCC ID, we used U656AA for the testing.

4.3 Internal Identification of AE used during the test

AE ID*	Description	Model	SN	Manufacturer
AE1	Battery	TM490M1	/	HUNAN GAOYUAN BATTERY 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.

It specifies the maximum exposure limit of **4.0 W/kg** as averaged over any 10 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.

5.2 Applicable Measurement Standards

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

EN IEC/IEEE 62209-1528:2021 Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from head-held and body-mounted wireless communication devices (Frequency range of 4 MHz to 10 GHz)

5.3 KDB and Workshop Procedures

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 D01 SAR 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

TCB Workshop April 27, 2022: RF Exposure Procedures

TCB Workshop Nov 2019: RF Exposure Policy Updates (5G NR NSA Sub 6G SAR)

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 heat 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

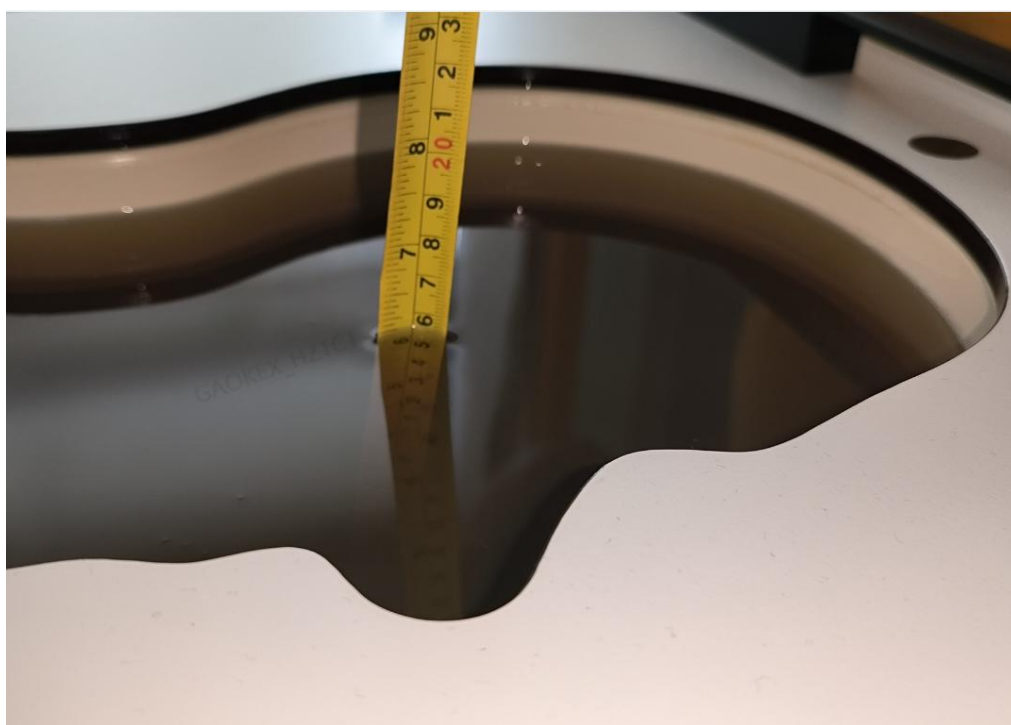
Frequency(MHz)	Liquid Type	Conductivity(σ)	$\pm 5\%$ Range	Permittivity(ϵ)	$\pm 5\%$ Range
750	Head	0.89	0.85~0.93	41.94	39.8~44.0
835	Head	0.90	0.86~0.95	41.50	39.40~43.60
1800	Head	1.40	1.33~1.47	40.0	38.0~42.0
1900	Head	1.40	1.33~1.47	40.00	38.00~42.00
2300	Head	1.67	1.50~1.84	39.47	37.5~41.4
2450	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

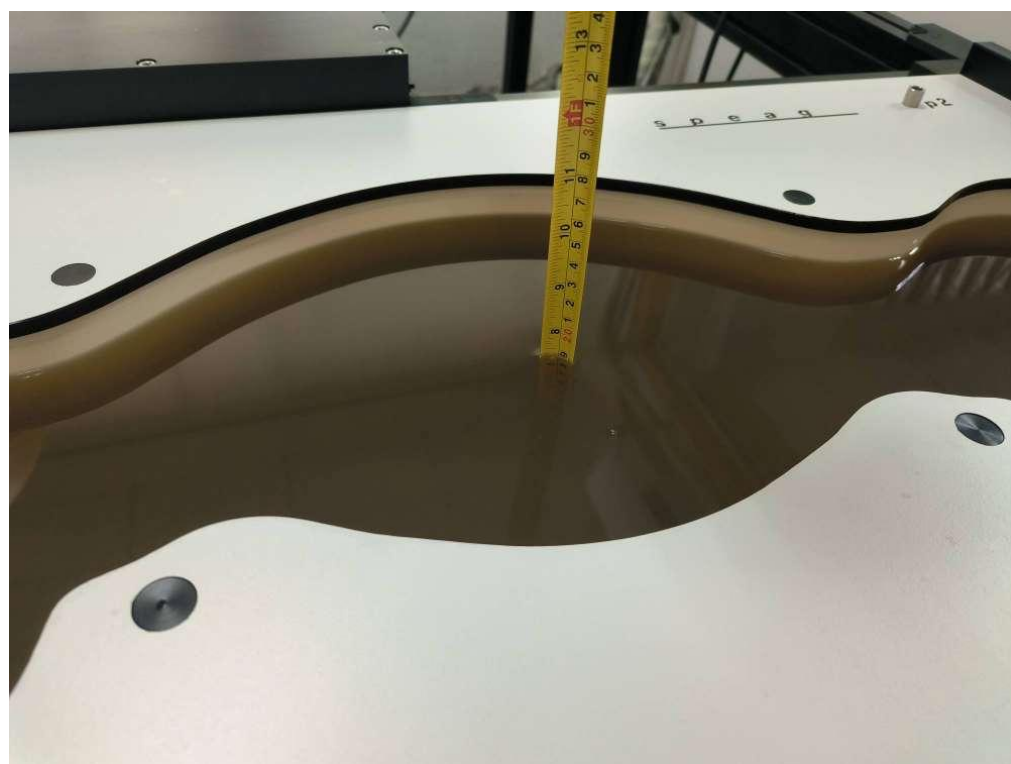
Table 7.2: Dielectric Performance of Tissue Simulating Liquid

Measurement Date (yyyy-mm-dd)	Type	Frequency	Permittivity ϵ	Drift (%)	Conductivity σ (S/m)	Drift (%)
2025/5/13	Head	750 MHz	45.3	8.01	0.8323	-6.48
2025/5/17	Head	835 MHz	44.99	8.41	0.8685	-3.50
2025/5/21	Head	1750 MHz	42.65	6.41	1.35	-1.46
2025/5/25	Head	1900 MHz	42.44	6.10	1.449	3.50
2025/5/28	Head	2300 MHz	41.65	5.52	1.733	3.77
2025/5/30	Head	2450 MHz	41.42	5.66	1.847	2.61
2025/6/2	Head	2600 MHz	41.15	5.49	1.971	0.56
2025/6/5	Head	3500 MHz	39.29	3.59	2.755	-5.33
2025/6/11	Head	3900 MHz	38.62	3.07	3.13	-5.72
2025/6/14	Head	5250 MHz	36.16	0.64	4.554	-3.31
2025/6/16	Head	5600 MHz	35.51	-0.06	4.925	-2.86
2025/6/18	Head	5750 MHz	35.26	-0.28	5.088	-2.53

Note: The liquid temperature is 22.0°C



Picture 7-1 Liquid depth in the Head Phantom

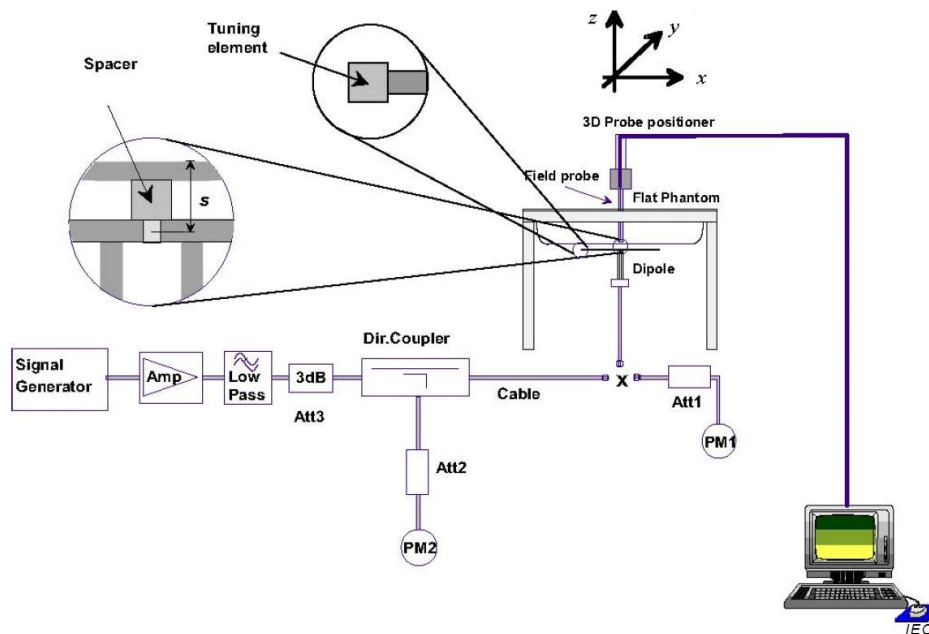


Picture 7-2 Liquid depth in the Flat Phantom

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.

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
2025/5/13	750 MHz	5.53	8.52	5.76	8.48	4.16%	-0.47%
2025/5/17	835 MHz	6.09	9.47	6.16	9.44	1.15%	-0.32%
2025/5/21	1750 MHz	19.8	37.2	20.9	36.8	5.45%	-1.18%
2025/5/25	1900 MHz	20.6	39.1	20.6	40.7	0.19%	4.14%
2025/5/28	2300 MHz	23.3	48.2	23.5	49.2	0.77%	2.07%
2025/5/30	2450 MHz	24.5	52.2	25.7	50.4	4.98%	-3.45%
2025/6/2	2600 MHz	24.8	54.9	25.2	54.4	1.77%	-0.91%
2025/6/5	3500 MHz	25.4	67.50	24.5	66.2	-3.54%	-1.93%
2025/6/11	3900 MHz	24.5	70.20	25.6	71.4	4.49%	1.71%
2025/6/14	5250 MHz	22.3	77.8	22.4	78.4	0.45%	0.77%
2025/6/16	5600 MHz	23.4	81.2	22.2	80.4	-5.13%	-0.99%
2025/6/18	5750 MHz	21.7	76.1	22.7	75.9	4.61%	-0.26%

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 5.

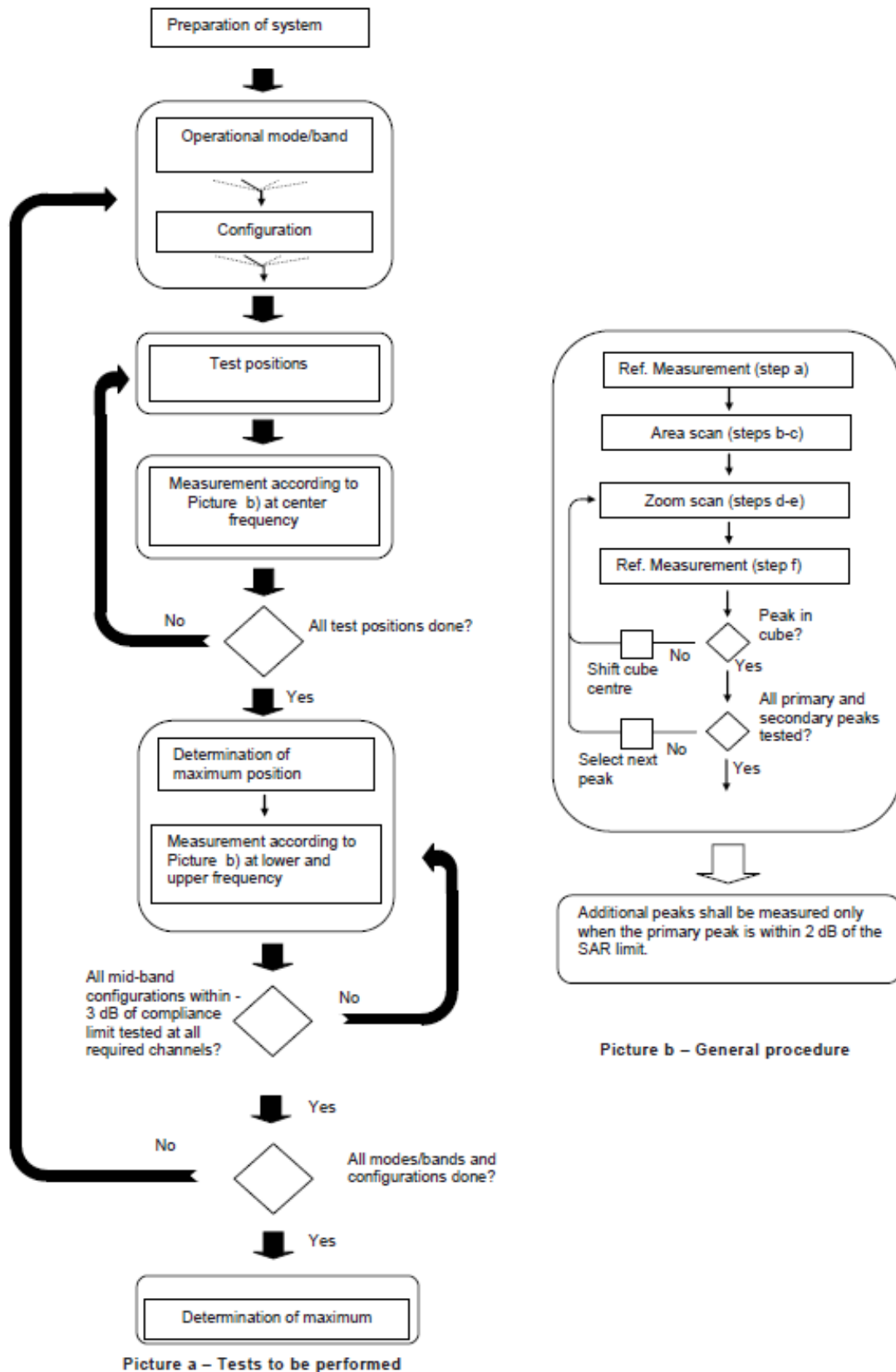
Step 1: The tests described in 9.2 shall be performed at the channel that is closest to the centre of the transmit frequency band (f_c) for:

- 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 10.2 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 within 3 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 5 Block 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.

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

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	$\beta_{ed1}:47/15$ $\beta_{ed2}:47/15$	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 & Schwarz 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.

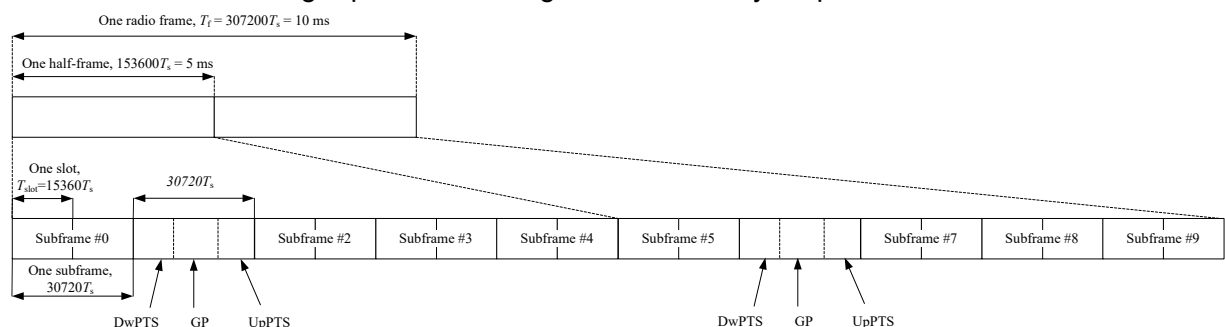


Figure 6: Frame structure type 2 (for 5 ms switch-point periodicity)

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	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
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

$$= (30720 \cdot T_s \cdot 6 + 5120 \cdot T_s \cdot 2) / 307200 \cdot T_s$$

$$= 0.633$$

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 NR Measurement Procedures for SAR

Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission.

9.7 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 section 14 labeled as: (Power Drift [dB]). This ensures that the power drift during one measurement is within 5%.

10 Conducted Output Power

Table10.1: 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

10.1 WCDMA Measurement result

WCDMA B2 – DSI1/3/4/6

WCDMA1900	FDDII result (dBm)			
	9538/9938 (1907.6MHz)	9400/9800 (1880MHz)	9262/9662 (1852.4MHz)	
	23.31	23.36	23.27	
HSUPA	20.44	20.48	20.37	24
	20.68	20.71	20.65	21
	20.55	20.66	20.53	21
	20.03	20.11	20.10	22
	21.56	21.59	21.52	20.5
HSPA+	21.88	21.93	21.82	22
DC-HSDPA	22.39	22.48	22.35	22.5
	21.99	22.11	22.05	23
	21.93	21.97	21.89	23
	21.98	22.02	21.88	22.5

WCDMA B2 – DSI2/5

WCDMA1900	FDDII result (dBm)			Tuneup
	9538/9938 (1907.6MHz)	9400/9800 (1880MHz)	9262/9662 (1852.4MHz)	
	19.86	19.91	19.88	
HSUPA	16.05	16.09	16.02	20.5
	16.16	16.13	16.05	17.5
	17.24	17.25	17.28	17.5
	15.79	15.84	15.77	18.5
	17.08	17.11	17.08	17
HSPA+	17.57	17.67	17.73	18.5
DC-HSDPA	18.25	18.35	18.25	19
	17.56	17.52	17.62	19.5
	17.18	17.09	17.11	19
	17.12	17.03	17.07	19

WCDMA B4 – DS11/4 24

WCDMA1700	FDDIV result (dBm)			
	1513/1738	1412/1675	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	23.48	23.41	23.34	24
HSUPA	20.46	20.44	20.38	21
	20.46	20.56	20.51	21
	20.61	20.59	20.50	22
	20.11	20.13	20.08	20.5
	21.57	21.52	21.49	22
HSPA+	22.13	22.16	22.09	22.5
DC-HSDPA	22.41	22.38	22.29	23
	22.29	22.37	22.31	23
	21.92	21.94	21.86	22.5
	21.96	22.03	21.83	22.5

WCDMA B4 – DS12/5 20

WCDMA1700	FDDIV result (dBm)			
	1513/1738	1412/1675	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	19.21	19.04	19.15	20
HSUPA	15.74	15.92	15.6	17
	16.12	16.07	15.7	17
	17.07	17.14	16.89	18
	15.66	15.49	15.42	16.5
	16.93	16.9	16.88	18
HSPA+	17.64	17.39	17.49	19.5
DC-HSDPA	18.16	18.27	18.53	19
	17.26	17.22	17.25	19
	16.93	17.07	16.89	18.5
	17.16	16.74	16.98	18.5

WCDMA B4 – DS13/6 23

WCDMA1700	FDDIV result (dBm)			
	1513/1738	1412/1675	1312/1537	
	(1752.6MHz)	(1732.4MHz)	(1712.4MHz)	
	22.21	22.17	22.32	23
HSUPA	18.85	18.89	18.93	20
	19.05	18.96	19.06	20
	19.95	20.03	19.93	21
	18.54	18.57	18.51	19.5
	19.85	19.86	19.89	21
HSPA+	20.66	20.63	20.72	22
DC-HSDPA	21.35	21.33	21.42	22
	20.58	20.50	20.50	22
	20.13	20.05	20.08	21.5
	20.09	20.03	20.03	21.5

WCDMA B5 – DS11/2/3/4/5/6 24

WCDMA850	FDDV result (dBm)			
	4233/4458	4182/4407	4132/4357	
	(846.6MHz)	(836.4MHz)	(826.4MHz)	
	23.12	23.34	23.15	24
HSUPA	20.26	20.31	20.27	21
	20.44	20.52	20.46	21
	20.36	20.42	20.43	22
	19.88	20.01	19.97	20.5
	21.37	21.41	21.38	22
HSPA+	21.66	21.79	21.76	22.5
DC-HSDPA	22.24	22.32	22.26	23
	22.25	22.31	22.26	23
	21.79	21.85	21.83	22.5
	21.74	21.84	21.79	22.5

10.2 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	0	24.5	20.5	24.5	24.5	20.5	24.5	24.5	19	24.5
LTE B2	4	19.5	23.5	23.5	19.5	23.5	23.5	17.5	21	23.5
LTE B4	0	24.5	20	22.5	24.5	20	22.5	\	\	\
LTE B5	0	25	25	25	25	25	25	25	25	25
LTE B7	0	23.5	21.5	23.5	23.5	21.5	23.5	\	\	\
LTE B12	0	25	25	25	25	25	25	25	25	25
LTE B12	4	25	25	25	25	25	25	25	25	25
LTE B14	0	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
LTE B30	0	24	22.5	23	24	22.5	23	24	20	23
LTE B30	4	15.5	18	21	15.5	18	21	14	16	21
LTE B66	0	24.5	19.5	24.5	24.5	19.5	24.5	24.5	17.5	22.5
LTE B66	4	20	23	23.5	20	23	23.5	18	21.5	23.5

LTE B2 ANT0 DSI1/3/4/6/7/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	23.55	22.62	21.61
		1880 (18900)	23.33	22.55	21.51
		1850.7 (18607)	23.32	22.58	21.47
	1RB-Middle (3)	1909.3 (19193)	23.50	22.59	21.57
		1880 (18900)	23.38	22.48	21.56
		1850.7 (18607)	23.48	22.56	21.38
	1RB-Low (0)	1909.3 (19193)	23.34	22.58	21.66
		1880 (18900)	23.53	22.68	21.61
		1850.7 (18607)	23.35	22.60	21.50
	3RB-High (3)	1909.3 (19193)	23.37	22.40	21.54
		1880 (18900)	23.40	22.33	21.54
		1850.7 (18607)	23.31	22.34	21.52
	3RB-Middle (1)	1909.3 (19193)	23.28	22.26	21.40
		1880 (18900)	23.37	22.25	21.47
		1850.7 (18607)	23.31	22.43	21.43
	3RB-Low (0)	1909.3 (19193)	23.28	22.49	21.49
		1880 (18900)	23.33	22.38	21.45
		1850.7 (18607)	23.32	22.28	21.43

	6RB (0)	1909.3 (19193)	22.38	21.44	20.37
		1880 (18900)	22.37	21.46	20.45
		1850.7 (18607)	22.33	21.38	20.29
3MHz	1RB-High (14)	1908.5 (19185)	23.36	22.77	21.72
		1880 (18900)	23.50	22.58	21.66
		1851.5 (18615)	23.35	22.53	21.56
	1RB-Middle (7)	1908.5 (19185)	23.44	22.55	21.66
		1880 (18900)	23.70	22.51	21.61
		1851.5 (18615)	23.56	22.54	21.61
	1RB-Low (0)	1908.5 (19185)	23.55	22.63	21.55
		1880 (18900)	23.33	22.54	21.63
		1851.5 (18615)	23.31	22.56	21.53
	8RB-High (7)	1908.5 (19185)	22.41	21.46	20.44
		1880 (18900)	22.43	21.43	20.46
		1851.5 (18615)	22.41	21.36	20.43
	8RB-Middle (4)	1908.5 (19185)	22.43	21.48	20.45
		1880 (18900)	22.35	21.40	20.45
		1851.5 (18615)	22.34	21.39	20.41
	8RB-Low (0)	1908.5 (19185)	22.42	21.55	20.51
		1880 (18900)	22.44	21.47	20.44
		1851.5 (18615)	22.38	21.36	20.37
	15RB (0)	1908.5 (19185)	22.46	21.41	20.39
		1880 (18900)	22.34	21.43	20.39
		1851.5 (18615)	22.35	21.33	20.27
5MHz	1RB-High (24)	1907.5 (19175)	23.60	22.71	21.72
		1880 (18900)	23.50	22.59	21.64
		1852.5 (18625)	23.49	22.56	21.61
	1RB-Middle (12)	1907.5 (19175)	23.49	22.75	21.68
		1880 (18900)	23.46	22.69	21.64
		1852.5 (18625)	23.34	22.81	21.59
	1RB-Low (0)	1907.5 (19175)	23.60	22.70	21.71
		1880 (18900)	23.44	22.66	21.55
		1852.5 (18625)	23.49	22.69	21.56
	12RB-High (13)	1907.5 (19175)	22.47	21.48	20.54
		1880 (18900)	22.50	21.48	20.48
		1852.5 (18625)	22.40	21.44	20.44
	12RB-Middle (6)	1907.5 (19175)	22.47	21.48	20.53
		1880 (18900)	22.44	21.50	20.49
		1852.5 (18625)	22.41	21.40	20.44
	12RB-Low (0)	1907.5 (19175)	22.48	21.52	20.56

	25RB (0)	1880 (18900)	22.47	21.46	20.52
		1852.5 (18625)	22.44	21.44	20.42
		1907.5 (19175)	22.52	21.45	20.44
		1880 (18900)	22.48	21.47	20.44
		1852.5 (18625)	22.44	21.44	20.41
10MHz	1RB-High (49)	1905 (19150)	23.59	22.85	21.70
		1880 (18900)	23.59	22.67	21.70
		1855 (18650)	23.46	22.62	21.65
	1RB-Middle (24)	1905 (19150)	23.50	22.73	21.77
		1880 (18900)	23.48	22.68	21.55
		1855 (18650)	23.56	22.54	21.52
	1RB-Low (0)	1905 (19150)	23.54	22.78	21.70
		1880 (18900)	23.43	22.65	21.58
		1855 (18650)	23.36	22.65	21.60
	25RB-High (25)	1905 (19150)	22.48	21.47	20.45
		1880 (18900)	22.50	21.46	20.47
		1855 (18650)	22.48	21.44	20.43
	25RB-Middle (12)	1905 (19150)	22.47	21.50	20.46
		1880 (18900)	22.50	21.48	20.47
		1855 (18650)	22.43	21.39	20.41
	25RB-Low (0)	1905 (19150)	22.50	21.53	20.51
		1880 (18900)	22.53	21.50	20.45
		1855 (18650)	22.46	21.45	20.43
	50RB (0)	1905 (19150)	22.47	21.52	20.52
		1880 (18900)	22.46	21.48	20.46
		1855 (18650)	22.44	21.47	20.45
15MHz	1RB-High (74)	1902.5 (19125)	23.42	22.67	21.65
		1880 (18900)	23.59	22.66	21.71
		1857.5 (18675)	23.46	22.63	21.67
	1RB-Middle (37)	1902.5 (19125)	23.53	22.60	21.68
		1880 (18900)	23.65	22.66	21.67
		1857.5 (18675)	23.48	22.55	21.62
	1RB-Low (0)	1902.5 (19125)	23.58	22.63	21.74
		1880 (18900)	23.39	22.71	21.59
		1857.5 (18675)	23.66	22.61	21.60
	36RB-High (38)	1902.5 (19125)	22.45	21.47	20.51
		1880 (18900)	22.47	21.47	20.50
		1857.5 (18675)	22.44	21.46	20.46
	36RB-Middle (19)	1902.5 (19125)	22.48	21.49	20.50
		1880 (18900)	22.46	21.49	20.50

	36RB-Low (0)	1857.5 (18675)	22.44	21.42	20.47
		1902.5 (19125)	22.47	21.46	20.51
		1880 (18900)	22.46	21.50	20.52
		1857.5 (18675)	22.47	21.47	20.49
	75RB (0)	1902.5 (19125)	22.48	21.49	20.46
		1880 (18900)	22.49	21.49	20.52
		1857.5 (18675)	22.48	21.49	20.47
20MHz	1RB-High (99)	1900 (19100)	23.54	22.73	21.67
		1880 (18900)	23.49	22.78	21.69
		1860 (18700)	23.45	22.69	21.60
	1RB-Middle (50)	1900 (19100)	23.52	22.70	21.61
		1880 (18900)	23.56	22.70	21.64
		1860 (18700)	23.45	22.75	21.60
	1RB-Low (0)	1900 (19100)	23.48	22.72	21.71
		1880 (18900)	23.54	22.58	21.63
		1860 (18700)	23.51	22.63	21.59
	50RB-High (50)	1900 (19100)	22.49	21.47	20.49
		1880 (18900)	22.52	21.51	20.48
		1860 (18700)	22.52	21.51	20.57
	50RB-Middle (25)	1900 (19100)	22.52	21.53	20.55
		1880 (18900)	22.54	21.57	20.51
		1860 (18700)	22.51	21.46	20.48
	50RB-Low (0)	1900 (19100)	22.51	21.47	20.47
		1880 (18900)	22.53	21.52	20.53
		1860 (18700)	22.51	21.50	20.52
	100RB (0)	1900 (19100)	22.50	21.45	20.52
		1880 (18900)	22.55	21.45	20.50
		1860 (18700)	22.51	21.48	20.51

LTE B2 ANT0 DSI2/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	19.41	18.87	17.69
		1880 (18900)	19.46	18.87	17.73
		1850.7 (18607)	19.49	18.62	17.70
	1RB-Middle (3)	1909.3 (19193)	19.32	18.79	17.64
		1880 (18900)	19.44	18.75	17.69
		1850.7 (18607)	19.41	18.82	17.78
	1RB-Low (0)	1909.3 (19193)	19.41	18.82	17.73
		1880 (18900)	19.48	18.86	17.86
		1850.7 (18607)	19.47	18.75	17.81

	3RB-High (3)	1909.3 (19193)	19.33	18.33	17.60
		1880 (18900)	19.36	18.47	17.64
		1850.7 (18607)	19.44	18.39	17.57
	3RB-Middle (1)	1909.3 (19193)	19.27	18.46	17.58
		1880 (18900)	19.30	18.49	17.59
		1850.7 (18607)	19.36	18.48	17.61
	3RB-Low (0)	1909.3 (19193)	19.33	18.45	17.60
		1880 (18900)	19.41	18.42	17.61
		1850.7 (18607)	19.38	18.42	17.66
	6RB (0)	1909.3 (19193)	18.44	17.50	16.46
		1880 (18900)	18.49	17.57	16.49
		1850.7 (18607)	18.46	17.58	16.50
3MHz	1RB-High (14)	1908.5 (19185)	19.38	18.72	17.71
		1880 (18900)	19.46	18.79	17.75
		1851.5 (18615)	19.48	18.82	17.73
	1RB-Middle (7)	1908.5 (19185)	19.47	18.69	17.74
		1880 (18900)	19.50	18.87	17.72
		1851.5 (18615)	19.50	18.77	17.63
	1RB-Low (0)	1908.5 (19185)	19.40	18.72	17.82
		1880 (18900)	19.45	18.79	17.74
		1851.5 (18615)	19.50	18.77	17.76
	8RB-High (7)	1908.5 (19185)	18.48	17.53	16.56
		1880 (18900)	18.59	17.60	16.58
		1851.5 (18615)	18.54	17.56	16.60
	8RB-Middle (4)	1908.5 (19185)	18.47	17.56	16.57
		1880 (18900)	18.52	17.61	16.59
		1851.5 (18615)	18.56	17.60	16.56
	8RB-Low (0)	1908.5 (19185)	18.56	17.61	16.60
		1880 (18900)	18.56	17.62	16.62
		1851.5 (18615)	18.55	17.65	16.64
	15RB (0)	1908.5 (19185)	18.50	17.50	16.48
		1880 (18900)	18.57	17.54	16.56
		1851.5 (18615)	18.55	17.49	16.54
5MHz	1RB-High (24)	1907.5 (19175)	19.42	18.89	17.73
		1880 (18900)	19.52	18.77	17.83
		1852.5 (18625)	19.51	18.80	17.74
	1RB-Middle (12)	1907.5 (19175)	19.53	18.87	17.71
		1880 (18900)	19.55	18.95	17.72
		1852.5 (18625)	19.50	18.79	17.79
	1RB-Low (0)	1907.5 (19175)	19.48	18.86	17.76

	12RB-High (13)	1880 (18900)	19.52	18.88	17.79
		1852.5 (18625)	19.59	18.89	17.75
		1907.5 (19175)	18.55	17.54	16.58
		1880 (18900)	18.58	17.61	16.62
		1852.5 (18625)	18.57	17.58	16.62
		1907.5 (19175)	18.59	17.56	16.59
	12RB-Middle (6)	1880 (18900)	18.59	17.65	16.63
		1852.5 (18625)	18.59	17.56	16.67
		1907.5 (19175)	18.62	17.63	16.62
	12RB-Low (0)	1880 (18900)	18.63	17.61	16.66
		1852.5 (18625)	18.61	17.65	16.65
		1907.5 (19175)	18.61	17.57	16.57
	25RB (0)	1880 (18900)	18.63	17.63	16.62
		1852.5 (18625)	18.64	17.60	16.61
10MHz	1RB-High (49)	1905 (19150)	19.52	18.92	17.82
		1880 (18900)	19.53	18.90	17.76
		1855 (18650)	19.59	19.02	17.81
	1RB-Middle (24)	1905 (19150)	19.48	18.76	17.77
		1880 (18900)	19.53	18.77	17.74
		1855 (18650)	19.53	18.89	17.77
	1RB-Low (0)	1905 (19150)	19.55	18.85	17.78
		1880 (18900)	19.57	18.88	17.75
		1855 (18650)	19.54	19.03	17.83
	25RB-High (25)	1905 (19150)	18.56	17.55	16.57
		1880 (18900)	18.60	17.60	16.58
		1855 (18650)	18.61	17.61	16.63
	25RB-Middle (12)	1905 (19150)	18.58	17.57	16.54
		1880 (18900)	18.62	17.60	16.62
		1855 (18650)	18.59	17.57	16.58
	25RB-Low (0)	1905 (19150)	18.58	17.58	16.55
		1880 (18900)	18.66	17.59	16.62
		1855 (18650)	18.63	17.63	16.61
	50RB (0)	1905 (19150)	18.58	17.57	16.55
		1880 (18900)	18.63	17.62	16.59
		1855 (18650)	18.62	17.60	16.60
15MHz	1RB-High (74)	1902.5 (19125)	19.54	18.95	17.73
		1880 (18900)	19.55	18.99	17.81
		1857.5 (18675)	19.55	18.86	17.81
	1RB-Middle (37)	1902.5 (19125)	19.48	18.89	17.70
		1880 (18900)	19.58	18.94	17.81

		1857.5 (18675)	19.55	18.85	17.76
	1RB-Low (0)	1902.5 (19125)	19.49	18.96	17.73
		1880 (18900)	19.57	18.87	17.84
		1857.5 (18675)	19.61	18.74	17.75
		36RB-High (38)	1902.5 (19125)	18.57	17.57
	1880 (18900)		18.59	17.57	16.60
	1857.5 (18675)		18.63	17.62	16.64
	36RB-Middle (19)		1902.5 (19125)	18.60	17.58
		1880 (18900)	18.60	17.62	16.61
		1857.5 (18675)	18.62	17.61	16.61
		36RB-Low (0)	1902.5 (19125)	18.54	17.53
	1880 (18900)		18.60	17.62	16.63
	1857.5 (18675)		18.63	17.58	16.62
	75RB (0)		1902.5 (19125)	18.61	17.60
		1880 (18900)	18.65	17.63	16.66
		1857.5 (18675)	18.63	17.64	16.61
20MHz	1RB-High (99)	1900 (19100)	19.49	18.80	17.79
		1880 (18900)	19.57	19.01	17.84
		1860 (18700)	19.56	18.92	17.87
	1RB-Middle (50)	1900 (19100)	19.51	18.94	17.81
		1880 (18900)	19.63	18.99	17.78
		1860 (18700)	19.52	18.86	17.85
	1RB-Low (0)	1900 (19100)	19.55	18.90	17.79
		1880 (18900)	19.54	18.90	17.88
		1860 (18700)	19.58	18.91	17.79
	50RB-High (50)	1900 (19100)	18.62	17.58	16.61
		1880 (18900)	18.63	17.63	16.65
		1860 (18700)	18.68	17.68	16.67
	50RB-Middle (25)	1900 (19100)	18.61	17.61	16.60
		1880 (18900)	18.69	17.67	16.67
		1860 (18700)	18.67	17.67	16.68
	50RB-Low (0)	1900 (19100)	18.63	17.61	16.64
		1880 (18900)	18.66	17.66	16.64
		1860 (18700)	18.68	17.69	16.64
	100RB (0)	1900 (19100)	18.59	17.55	16.58
		1880 (18900)	18.66	17.62	16.62
		1860 (18700)	18.64	17.63	16.63

LTE B2 ANT0 DSI8

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
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1.4MHz	1RB-High (5)	1909.3 (19193)	18.00	17.22	16.27
		1880 (18900)	18.05	17.30	16.36
		1850.7 (18607)	18.04	17.19	16.13
	1RB-Middle (3)	1909.3 (19193)	18.01	17.23	16.11
		1880 (18900)	18.04	17.19	16.21
		1850.7 (18607)	18.06	17.29	16.22
	1RB-Low (0)	1909.3 (19193)	17.99	17.26	16.24
		1880 (18900)	18.10	17.32	16.31
		1850.7 (18607)	18.07	17.21	16.24
	3RB-High (3)	1909.3 (19193)	17.95	16.93	16.09
		1880 (18900)	17.97	16.90	16.10
		1850.7 (18607)	17.98	16.93	16.08
	3RB-Middle (1)	1909.3 (19193)	17.94	16.91	16.06
		1880 (18900)	17.99	16.90	16.12
		1850.7 (18607)	18.00	16.96	16.16
	3RB-Low (0)	1909.3 (19193)	17.96	16.96	16.09
		1880 (18900)	18.01	16.92	16.16
		1850.7 (18607)	18.00	17.04	16.09
	6RB (0)	1909.3 (19193)	16.94	16.06	14.99
		1880 (18900)	17.03	16.10	15.02
		1850.7 (18607)	16.99	16.07	14.95
3MHz	1RB-High (14)	1908.5 (19185)	17.98	17.21	16.16
		1880 (18900)	18.08	17.35	16.28
		1851.5 (18615)	18.00	17.22	16.13
	1RB-Middle (7)	1908.5 (19185)	18.00	17.28	16.17
		1880 (18900)	18.03	17.29	16.20
		1851.5 (18615)	17.99	17.16	16.21
	1RB-Low (0)	1908.5 (19185)	17.99	17.20	16.14
		1880 (18900)	18.06	17.33	16.26
		1851.5 (18615)	18.03	17.34	16.21
	8RB-High (7)	1908.5 (19185)	17.01	16.00	15.07
		1880 (18900)	17.06	16.12	15.09
		1851.5 (18615)	17.04	16.08	15.13
	8RB-Middle (4)	1908.5 (19185)	16.99	16.04	15.09
		1880 (18900)	17.02	16.07	15.12
		1851.5 (18615)	16.98	16.07	15.08
	8RB-Low (0)	1908.5 (19185)	17.04	16.08	15.11
		1880 (18900)	17.03	16.11	15.14
		1851.5 (18615)	17.09	16.07	15.13
	15RB (0)	1908.5 (19185)	17.01	16.01	15.00
		1880 (18900)	17.02	16.04	15.03

		1851.5 (18615)	17.01	16.06	15.03
5MHz	1RB-High (24)	1907.5 (19175)	18.06	17.37	16.21
		1880 (18900)	18.09	17.34	16.21
		1852.5 (18625)	18.05	17.43	16.15
	1RB-Middle (12)	1907.5 (19175)	18.05	17.29	16.22
		1880 (18900)	18.10	17.28	16.22
		1852.5 (18625)	18.04	17.37	16.27
	1RB-Low (0)	1907.5 (19175)	18.05	17.32	16.23
		1880 (18900)	18.06	17.26	16.25
		1852.5 (18625)	18.09	17.36	16.22
	12RB-High (13)	1907.5 (19175)	17.04	16.01	15.07
		1880 (18900)	17.10	16.09	15.10
		1852.5 (18625)	17.04	16.08	15.06
	12RB-Middle (6)	1907.5 (19175)	17.07	16.05	15.08
		1880 (18900)	17.10	16.08	15.14
		1852.5 (18625)	16.99	16.06	15.11
	12RB-Low (0)	1907.5 (19175)	17.09	16.10	15.14
		1880 (18900)	17.10	16.10	15.14
		1852.5 (18625)	17.11	16.09	15.10
	25RB (0)	1907.5 (19175)	17.11	16.08	15.05
		1880 (18900)	17.14	16.08	15.09
		1852.5 (18625)	17.12	16.10	15.08
10MHz	1RB-High (49)	1905 (19150)	18.08	17.39	16.25
		1880 (18900)	18.13	17.50	16.23
		1855 (18650)	18.14	17.33	16.33
	1RB-Middle (24)	1905 (19150)	18.04	17.37	16.17
		1880 (18900)	18.09	17.32	16.31
		1855 (18650)	18.02	17.27	16.19
	1RB-Low (0)	1905 (19150)	18.09	17.43	16.25
		1880 (18900)	18.15	17.42	16.34
		1855 (18650)	18.13	17.41	16.38
	25RB-High (25)	1905 (19150)	17.04	16.01	15.02
		1880 (18900)	17.12	16.09	15.07
		1855 (18650)	17.09	16.08	15.10
	25RB-Middle (12)	1905 (19150)	17.07	16.05	15.06
		1880 (18900)	17.09	16.07	15.08
		1855 (18650)	17.07	16.05	15.06
	25RB-Low (0)	1905 (19150)	17.06	16.05	15.07
		1880 (18900)	17.10	16.12	15.09
		1855 (18650)	17.11	16.09	15.12

	50RB (0)	1905 (19150)	17.03	16.06	15.05
		1880 (18900)	17.12	16.09	15.11
		1855 (18650)	17.12	16.11	15.14
15MHz	1RB-High (74)	1902.5 (19125)	18.05	17.31	16.25
		1880 (18900)	18.11	17.35	16.23
		1857.5 (18675)	18.11	17.35	16.29
	1RB-Middle (37)	1902.5 (19125)	18.07	17.29	16.19
		1880 (18900)	18.18	17.34	16.26
		1857.5 (18675)	18.10	17.38	16.29
	1RB-Low (0)	1902.5 (19125)	18.10	17.26	16.25
		1880 (18900)	18.10	17.43	16.21
		1857.5 (18675)	18.08	17.39	16.30
	36RB-High (38)	1902.5 (19125)	17.05	16.06	15.06
		1880 (18900)	17.07	16.07	15.10
		1857.5 (18675)	17.12	16.14	15.16
	36RB-Middle (19)	1902.5 (19125)	17.08	16.08	15.10
		1880 (18900)	17.08	16.06	15.10
		1857.5 (18675)	17.10	16.11	15.11
	36RB-Low (0)	1902.5 (19125)	17.02	16.05	15.03
		1880 (18900)	17.10	16.08	15.13
		1857.5 (18675)	17.09	16.10	15.12
	75RB (0)	1902.5 (19125)	17.07	16.08	15.05
		1880 (18900)	17.11	16.12	15.12
		1857.5 (18675)	17.09	16.12	15.11
20MHz	1RB-High (99)	1900 (19100)	18.03	17.42	16.26
		1880 (18900)	18.14	17.41	16.24
		1860 (18700)	18.13	17.45	16.23
	1RB-Middle (50)	1900 (19100)	18.09	17.38	16.24
		1880 (18900)	18.16	17.41	16.36
		1860 (18700)	18.14	17.37	16.26
	1RB-Low (0)	1900 (19100)	18.05	17.53	16.32
		1880 (18900)	18.13	17.39	16.19
		1860 (18700)	18.11	17.42	16.29
	50RB-High (50)	1900 (19100)	17.09	16.10	15.09
		1880 (18900)	17.11	16.15	15.13
		1860 (18700)	17.15	16.15	15.16
	50RB-Middle (25)	1900 (19100)	17.12	16.08	15.11
		1880 (18900)	17.18	16.13	15.18
		1860 (18700)	17.16	16.14	15.20
	50RB-Low (0)	1900 (19100)	17.09	16.08	15.13

		1880 (18900)	17.14	16.14	15.15
		1860 (18700)	17.14	16.14	15.15
	100RB (0)	1900 (19100)	17.11	16.06	15.12
		1880 (18900)	17.15	16.14	15.12
		1860 (18700)	17.13	16.08	15.12

LTE B2 ANT4 DSI1/4

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	18.92	18.25	17.13
		1880 (18900)	19.01	18.21	17.08
		1850.7 (18607)	18.96	18.21	17.21
	1RB-Middle (3)	1909.3 (19193)	19.00	18.14	17.18
		1880 (18900)	18.99	18.19	17.23
		1850.7 (18607)	19.02	18.26	17.09
	1RB-Low (0)	1909.3 (19193)	18.99	18.07	17.08
		1880 (18900)	19.02	18.22	17.16
		1850.7 (18607)	19.09	18.20	17.22
	3RB-High (3)	1909.3 (19193)	18.93	17.83	17.03
		1880 (18900)	18.96	17.90	17.07
		1850.7 (18607)	18.92	17.95	17.10
	3RB-Middle (1)	1909.3 (19193)	18.89	17.84	17.08
		1880 (18900)	18.90	17.92	17.03
		1850.7 (18607)	18.90	17.89	17.13
	3RB-Low (0)	1909.3 (19193)	18.89	17.90	17.02
		1880 (18900)	18.91	17.98	17.09
		1850.7 (18607)	18.91	17.88	17.11
	6RB (0)	1909.3 (19193)	17.89	16.96	15.89
		1880 (18900)	17.89	17.08	15.90
		1850.7 (18607)	17.96	17.03	15.96
3MHz	1RB-High (14)	1908.5 (19185)	18.93	18.15	17.19
		1880 (18900)	18.95	18.28	17.16
		1851.5 (18615)	19.00	18.23	17.19
	1RB-Middle (7)	1908.5 (19185)	18.97	18.13	16.95
		1880 (18900)	18.97	18.20	17.10
		1851.5 (18615)	19.02	18.16	17.22
	1RB-Low (0)	1908.5 (19185)	18.90	18.16	17.16
		1880 (18900)	18.97	18.13	17.13
		1851.5 (18615)	18.95	18.19	17.12
	8RB-High (7)	1908.5 (19185)	17.96	17.00	15.96
		1880 (18900)	17.94	17.04	16.00
		1851.5 (18615)	17.93	16.97	16.02

	8RB-Middle (4)	1908.5 (19185)	17.93	16.94	15.92
		1880 (18900)	17.93	16.99	15.97
		1851.5 (18615)	17.95	16.99	15.99
	8RB-Low (0)	1908.5 (19185)	17.92	16.96	15.98
		1880 (18900)	17.97	17.00	15.98
		1851.5 (18615)	17.95	17.04	16.00
	15RB (0)	1908.5 (19185)	17.93	16.91	15.90
		1880 (18900)	17.96	16.90	15.92
		1851.5 (18615)	17.92	16.96	15.86
5MHz	1RB-High (24)	1907.5 (19175)	18.97	18.31	17.19
		1880 (18900)	19.05	18.35	17.08
		1852.5 (18625)	19.04	18.23	17.14
	1RB-Middle (12)	1907.5 (19175)	18.90	18.27	17.11
		1880 (18900)	19.19	18.29	17.07
		1852.5 (18625)	19.02	18.35	17.12
	1RB-Low (0)	1907.5 (19175)	18.89	18.33	17.01
		1880 (18900)	18.98	18.26	17.11
		1852.5 (18625)	18.96	18.33	17.19
	12RB-High (13)	1907.5 (19175)	17.99	16.97	15.98
		1880 (18900)	18.02	17.00	16.07
		1852.5 (18625)	18.00	17.01	16.08
	12RB-Middle (6)	1907.5 (19175)	17.91	16.95	16.00
		1880 (18900)	18.05	17.02	16.06
		1852.5 (18625)	18.00	17.02	16.04
	12RB-Low (0)	1907.5 (19175)	17.96	16.93	16.03
		1880 (18900)	18.01	17.06	16.08
		1852.5 (18625)	17.99	17.01	16.04
	25RB (0)	1907.5 (19175)	18.01	17.00	15.99
		1880 (18900)	18.07	17.06	16.03
		1852.5 (18625)	18.11	16.99	16.02
10MHz	1RB-High (49)	1905 (19150)	19.00	18.37	17.15
		1880 (18900)	19.04	18.34	17.12
		1855 (18650)	19.05	18.30	17.21
	1RB-Middle (24)	1905 (19150)	18.88	18.06	17.19
		1880 (18900)	19.02	18.19	17.26
		1855 (18650)	18.99	18.25	17.14
	1RB-Low (0)	1905 (19150)	19.01	18.31	17.19
		1880 (18900)	19.03	18.38	17.24
		1855 (18650)	19.12	18.40	17.22
	25RB-High (25)	1905 (19150)	17.99	16.98	16.00

		1880 (18900)	18.02	17.04	16.02
		1855 (18650)	18.07	17.03	16.05
		1905 (19150)	17.95	16.98	15.96
	25RB-Middle (12)	1880 (18900)	18.03	16.99	16.04
		1855 (18650)	18.05	17.02	16.01
		1905 (19150)	18.01	17.01	15.97
	25RB-Low (0)	1880 (18900)	18.03	17.05	16.03
		1855 (18650)	18.05	17.03	16.03
		1905 (19150)	18.00	17.04	16.01
	50RB (0)	1880 (18900)	18.03	17.01	16.01
		1855 (18650)	18.05	17.06	16.02
15MHz	1RB-High (74)	1902.5 (19125)	19.00	18.39	17.28
		1880 (18900)	19.10	18.35	17.24
		1857.5 (18675)	19.03	18.43	17.28
	1RB-Middle (37)	1902.5 (19125)	19.00	18.20	17.10
		1880 (18900)	19.06	18.23	17.24
		1857.5 (18675)	19.06	18.50	17.24
	1RB-Low (0)	1902.5 (19125)	19.09	18.24	17.30
		1880 (18900)	19.07	18.29	17.19
		1857.5 (18675)	19.07	18.41	17.26
	36RB-High (38)	1902.5 (19125)	17.98	16.97	16.00
		1880 (18900)	18.02	17.03	16.08
		1857.5 (18675)	18.04	17.06	16.09
	36RB-Middle (19)	1902.5 (19125)	17.95	16.96	16.00
		1880 (18900)	18.04	17.04	16.05
		1857.5 (18675)	18.05	17.03	16.09
	36RB-Low (0)	1902.5 (19125)	18.05	17.01	16.07
		1880 (18900)	18.04	17.06	16.06
		1857.5 (18675)	18.07	17.06	16.06
	75RB (0)	1902.5 (19125)	18.01	17.02	16.01
		1880 (18900)	18.05	17.10	16.05
		1857.5 (18675)	18.06	17.06	16.08
20MHz	1RB-High (99)	1900 (19100)	19.02	18.43	17.20
		1880 (18900)	19.08	18.41	17.33
		1860 (18700)	19.06	18.47	17.23
	1RB-Middle (50)	1900 (19100)	19.00	18.23	17.14
		1880 (18900)	19.14	18.33	17.27
		1860 (18700)	19.04	18.27	17.19
	1RB-Low (0)	1900 (19100)	19.13	18.39	17.33
		1880 (18900)	19.08	18.43	17.32

	50RB-High (50)	1860 (18700)	19.13	18.33	17.27
		1900 (19100)	17.93	16.97	16.02
		1880 (18900)	18.08	17.09	16.08
		1860 (18700)	18.11	17.07	16.12
	50RB-Middle (25)	1900 (19100)	18.04	17.02	16.04
		1880 (18900)	18.13	17.03	16.09
		1860 (18700)	18.11	17.08	16.12
	50RB-Low (0)	1900 (19100)	18.09	17.07	16.06
		1880 (18900)	18.12	17.12	16.11
		1860 (18700)	18.08	17.08	16.10
	100RB (0)	1900 (19100)	17.99	16.98	15.98
		1880 (18900)	18.08	17.06	16.08
		1860 (18700)	18.09	17.07	16.08

LTE B2 ANT4 DS12/3/5/6/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	21.84	21.13	19.96
		1880 (18900)	21.89	21.25	20.22
		1850.7 (18607)	21.94	21.11	20.14
	1RB-Middle (3)	1909.3 (19193)	21.83	21.11	20.15
		1880 (18900)	21.94	21.03	20.09
		1850.7 (18607)	21.92	21.08	20.22
	1RB-Low (0)	1909.3 (19193)	21.82	21.09	20.11
		1880 (18900)	21.87	21.04	20.15
		1850.7 (18607)	21.92	21.08	20.16
	3RB-High (3)	1909.3 (19193)	21.82	20.63	20.03
		1880 (18900)	21.79	20.77	19.97
		1850.7 (18607)	21.86	20.80	19.99
	3RB-Middle (1)	1909.3 (19193)	21.77	20.76	19.99
		1880 (18900)	21.73	20.85	20.02
		1850.7 (18607)	21.83	20.79	19.98
	3RB-Low (0)	1909.3 (19193)	21.77	20.79	19.97
		1880 (18900)	21.82	20.73	20.00
		1850.7 (18607)	21.87	20.81	20.01
	6RB (0)	1909.3 (19193)	20.74	19.92	18.85
		1880 (18900)	20.84	19.96	18.92
		1850.7 (18607)	20.84	19.95	18.92
3MHz	1RB-High (14)	1908.5 (19185)	21.85	21.12	20.10
		1880 (18900)	21.90	21.08	20.17
		1851.5 (18615)	21.98	21.23	20.07

	1RB-Middle (7)	1908.5 (19185)	21.92	21.30	20.12
		1880 (18900)	21.92	21.27	20.03
		1851.5 (18615)	21.96	21.33	20.09
	1RB-Low (0)	1908.5 (19185)	21.84	21.12	20.04
		1880 (18900)	21.93	21.17	20.18
		1851.5 (18615)	21.95	21.21	20.06
	8RB-High (7)	1908.5 (19185)	20.82	19.99	18.97
		1880 (18900)	20.86	19.98	19.00
		1851.5 (18615)	20.91	19.99	19.02
	8RB-Middle (4)	1908.5 (19185)	20.85	19.99	18.94
		1880 (18900)	20.81	19.99	19.01
		1851.5 (18615)	20.93	19.96	19.00
	8RB-Low (0)	1908.5 (19185)	20.88	20.01	18.97
		1880 (18900)	20.80	20.00	19.02
		1851.5 (18615)	20.90	19.98	19.04
	15RB (0)	1908.5 (19185)	20.84	19.89	18.87
		1880 (18900)	20.86	19.94	18.91
		1851.5 (18615)	20.90	19.88	18.92
5MHz	1RB-High (24)	1907.5 (19175)	21.90	21.15	20.13
		1880 (18900)	21.96	21.18	20.16
		1852.5 (18625)	22.02	21.19	20.11
	1RB-Middle (12)	1907.5 (19175)	21.90	21.13	20.15
		1880 (18900)	22.11	21.18	20.29
		1852.5 (18625)	22.08	21.37	20.17
	1RB-Low (0)	1907.5 (19175)	21.85	21.14	20.12
		1880 (18900)	21.98	21.25	20.16
		1852.5 (18625)	21.99	21.29	20.06
	12RB-High (13)	1907.5 (19175)	20.91	19.96	18.98
		1880 (18900)	20.93	19.94	19.00
		1852.5 (18625)	20.96	20.00	19.03
	12RB-Middle (6)	1907.5 (19175)	20.89	19.91	18.94
		1880 (18900)	20.93	19.95	19.02
		1852.5 (18625)	20.96	19.96	19.08
	12RB-Low (0)	1907.5 (19175)	20.90	19.97	18.98
		1880 (18900)	20.95	20.01	19.04
		1852.5 (18625)	20.96	20.01	19.03
	25RB (0)	1907.5 (19175)	20.95	19.95	19.00
		1880 (18900)	20.96	19.99	19.04
		1852.5 (18625)	21.04	20.00	19.01
10MHz	1RB-High (49)	1905 (19150)	21.94	21.28	20.18

		1880 (18900)	22.02	21.24	20.31
		1855 (18650)	22.09	21.19	20.21
	1RB-Middle (24)	1905 (19150)	21.80	21.15	20.07
		1880 (18900)	21.98	21.21	20.04
		1855 (18650)	22.04	21.28	20.19
	1RB-Low (0)	1905 (19150)	21.93	21.12	20.17
		1880 (18900)	22.14	21.19	20.18
		1855 (18650)	22.11	21.34	20.18
	25RB-High (25)	1905 (19150)	20.93	19.94	18.93
		1880 (18900)	20.98	19.95	19.00
		1855 (18650)	21.06	20.01	19.03
	25RB-Middle (12)	1905 (19150)	20.91	19.89	18.93
		1880 (18900)	20.97	19.97	18.98
		1855 (18650)	20.94	20.01	19.01
	25RB-Low (0)	1905 (19150)	20.93	19.99	18.97
		1880 (18900)	20.97	19.98	18.99
		1855 (18650)	21.02	20.00	18.98
	50RB (0)	1905 (19150)	20.91	19.96	18.95
		1880 (18900)	20.98	19.98	18.98
		1855 (18650)	21.02	20.03	19.02
15MHz	1RB-High (74)	1902.5 (19125)	21.92	21.18	20.23
		1880 (18900)	22.04	21.36	20.19
		1857.5 (18675)	22.09	21.42	20.23
	1RB-Middle (37)	1902.5 (19125)	21.90	21.16	20.04
		1880 (18900)	22.03	21.37	20.22
		1857.5 (18675)	22.07	21.34	20.22
	1RB-Low (0)	1902.5 (19125)	22.06	21.21	20.22
		1880 (18900)	22.10	21.24	20.18
		1857.5 (18675)	22.06	21.39	20.21
	36RB-High (38)	1902.5 (19125)	20.91	19.92	18.93
		1880 (18900)	20.97	19.99	19.04
		1857.5 (18675)	21.01	20.02	19.05
	36RB-Middle (19)	1902.5 (19125)	20.84	19.91	18.95
		1880 (18900)	20.92	20.03	19.02
		1857.5 (18675)	20.98	20.00	19.08
	36RB-Low (0)	1902.5 (19125)	20.92	19.98	19.03
		1880 (18900)	20.99	20.01	19.05
		1857.5 (18675)	21.02	20.03	19.04
	75RB (0)	1902.5 (19125)	20.92	20.01	18.99
		1880 (18900)	20.99	20.04	19.02
		1857.5 (18675)	21.05	20.03	19.00

20MHz	1RB-High (99)	1900 (19100)	21.98	21.25	20.10
		1880 (18900)	22.05	21.22	20.19
		1860 (18700)	22.10	21.42	20.23
	1RB-Middle (50)	1900 (19100)	22.05	21.14	20.12
		1880 (18900)	22.13	21.25	20.21
		1860 (18700)	22.08	21.32	20.16
	1RB-Low (0)	1900 (19100)	22.03	21.27	20.26
		1880 (18900)	22.05	21.30	20.18
		1860 (18700)	22.06	21.47	20.16
	50RB-High (50)	1900 (19100)	20.91	19.92	18.93
		1880 (18900)	21.00	20.00	19.04
		1860 (18700)	21.04	20.04	19.07
	50RB-Middle (25)	1900 (19100)	20.93	20.00	18.98
		1880 (18900)	21.09	20.03	19.04
		1860 (18700)	21.02	20.07	19.06
	50RB-Low (0)	1900 (19100)	20.94	20.04	19.05
		1880 (18900)	21.04	20.05	19.06
		1860 (18700)	21.07	20.07	19.05
	100RB (0)	1900 (19100)	20.93	19.95	18.97
		1880 (18900)	21.01	20.02	19.05
		1860 (18700)	21.06	20.02	19.04

LTE B2 ANT4 DSI7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	16.82	16.11	15.02
		1880 (18900)	16.90	16.24	15.11
		1850.7 (18607)	16.92	16.18	15.04
	1RB-Middle (3)	1909.3 (19193)	16.83	16.08	14.97
		1880 (18900)	16.98	16.14	15.07
		1850.7 (18607)	16.88	16.14	15.15
	1RB-Low (0)	1909.3 (19193)	16.85	16.03	14.97
		1880 (18900)	16.91	16.18	15.11
		1850.7 (18607)	16.95	16.17	15.11
	3RB-High (3)	1909.3 (19193)	16.80	15.75	14.94
		1880 (18900)	16.89	15.79	14.98
		1850.7 (18607)	16.87	15.84	14.88
	3RB-Middle (1)	1909.3 (19193)	16.82	15.81	14.99
		1880 (18900)	16.82	15.85	14.95
		1850.7 (18607)	16.80	15.81	14.96
	3RB-Low (0)	1909.3 (19193)	16.79	15.80	14.92

	6RB (0)	1880 (18900)	16.85	15.84	15.04
		1850.7 (18607)	16.86	15.76	14.99
		1909.3 (19193)	15.80	14.89	13.81
		1880 (18900)	15.85	14.98	13.85
		1850.7 (18607)	15.87	14.94	13.89
3MHz	1RB-High (14)	1908.5 (19185)	17.07	16.12	15.14
		1880 (18900)	16.98	16.27	15.21
		1851.5 (18615)	16.95	16.45	15.36
	1RB-Middle (7)	1908.5 (19185)	16.95	16.27	15.02
		1880 (18900)	17.17	16.41	15.01
		1851.5 (18615)	16.98	16.42	15.39
	1RB-Low (0)	1908.5 (19185)	17.01	16.42	15.11
		1880 (18900)	17.04	16.39	15.08
		1851.5 (18615)	17.00	16.33	15.28
	8RB-High (7)	1908.5 (19185)	16.03	15.02	13.79
		1880 (18900)	15.84	15.04	14.09
		1851.5 (18615)	16.13	15.14	13.93
	8RB-Middle (4)	1908.5 (19185)	15.99	15.02	13.86
		1880 (18900)	16.02	15.07	14.08
		1851.5 (18615)	16.02	14.98	14.06
	8RB-Low (0)	1908.5 (19185)	15.97	14.93	14.01
		1880 (18900)	15.96	15.25	13.99
		1851.5 (18615)	16.15	15.09	14.01
	15RB (0)	1908.5 (19185)	15.90	15.00	13.95
		1880 (18900)	16.14	14.92	13.97
		1851.5 (18615)	16.16	14.99	13.83
5MHz	1RB-High (24)	1907.5 (19175)	16.99	16.17	15.07
		1880 (18900)	16.83	16.40	15.18
		1852.5 (18625)	17.12	16.43	15.32
	1RB-Middle (12)	1907.5 (19175)	17.02	16.27	15.10
		1880 (18900)	17.09	16.35	15.08
		1852.5 (18625)	16.93	16.42	15.20
	1RB-Low (0)	1907.5 (19175)	16.87	16.25	15.17
		1880 (18900)	17.00	16.48	15.24
		1852.5 (18625)	17.01	16.29	15.19
	12RB-High (13)	1907.5 (19175)	16.04	14.90	13.91
		1880 (18900)	15.94	15.02	13.97
		1852.5 (18625)	16.17	14.97	13.99
	12RB-Middle (6)	1907.5 (19175)	15.91	14.89	13.89
		1880 (18900)	16.11	15.06	14.08

	12RB-Low (0)	1852.5 (18625)	16.15	14.84	14.07
		1907.5 (19175)	15.95	15.05	13.99
		1880 (18900)	16.07	15.22	13.99
		1852.5 (18625)	16.04	15.03	13.96
	25RB (0)	1907.5 (19175)	15.96	14.92	14.07
		1880 (18900)	16.06	14.97	14.02
		1852.5 (18625)	16.06	14.84	13.94
10MHz	1RB-High (49)	1905 (19150)	16.91	16.26	15.27
		1880 (18900)	16.93	16.38	15.11
		1855 (18650)	17.10	16.28	15.27
	1RB-Middle (24)	1905 (19150)	17.01	16.22	15.05
		1880 (18900)	17.05	16.38	15.11
		1855 (18650)	17.02	16.30	15.19
	1RB-Low (0)	1905 (19150)	17.00	16.23	15.24
		1880 (18900)	16.98	16.41	15.24
		1855 (18650)	17.06	16.28	15.20
	25RB-High (25)	1905 (19150)	15.94	15.01	13.89
		1880 (18900)	16.09	15.00	13.95
		1855 (18650)	16.01	15.05	13.92
	25RB-Middle (12)	1905 (19150)	15.99	14.91	13.93
		1880 (18900)	16.12	14.96	14.10
		1855 (18650)	15.93	14.96	14.06
	25RB-Low (0)	1905 (19150)	16.05	14.95	13.98
		1880 (18900)	16.05	14.99	14.04
		1855 (18650)	16.08	15.09	14.09
	50RB (0)	1905 (19150)	15.90	14.97	13.87
		1880 (18900)	15.99	15.00	13.96
		1855 (18650)	16.05	15.09	14.00
15MHz	1RB-High (74)	1902.5 (19125)	17.05	16.15	15.11
		1880 (18900)	16.92	16.34	15.21
		1857.5 (18675)	17.04	16.38	15.26
	1RB-Middle (37)	1902.5 (19125)	16.99	16.28	15.05
		1880 (18900)	17.11	16.39	15.06
		1857.5 (18675)	16.97	16.34	15.30
	1RB-Low (0)	1902.5 (19125)	16.95	16.34	15.19
		1880 (18900)	17.08	16.47	15.17
		1857.5 (18675)	16.97	16.25	15.25
	36RB-High (38)	1902.5 (19125)	15.96	14.99	13.89
		1880 (18900)	15.94	14.95	14.03
		1857.5 (18675)	16.11	15.04	13.93

	36RB-Middle (19)	1902.5 (19125)	15.94	14.93	13.89
		1880 (18900)	16.12	15.02	13.98
		1857.5 (18675)	16.12	14.94	13.99
	36RB-Low (0)	1902.5 (19125)	15.96	15.00	13.98
		1880 (18900)	16.02	15.16	14.04
		1857.5 (18675)	16.09	14.99	13.96
	75RB (0)	1902.5 (19125)	15.99	14.97	14.01
		1880 (18900)	16.05	14.92	13.93
		1857.5 (18675)	16.07	14.93	13.91
20MHz	1RB-High (99)	1900 (19100)	16.95	16.24	15.21
		1880 (18900)	17.01	16.36	15.20
		1860 (18700)	17.03	16.28	15.21
	1RB-Middle (50)	1900 (19100)	16.97	16.19	15.04
		1880 (18900)	17.07	16.33	15.11
		1860 (18700)	17.03	16.35	15.26
	1RB-Low (0)	1900 (19100)	17.01	16.26	15.16
		1880 (18900)	17.05	16.41	15.18
		1860 (18700)	16.96	16.33	15.18
	50RB-High (50)	1900 (19100)	15.92	14.92	13.91
		1880 (18900)	15.99	14.99	14.04
		1860 (18700)	16.04	15.02	14.02
	50RB-Middle (25)	1900 (19100)	15.97	14.98	13.95
		1880 (18900)	16.05	15.02	14.03
		1860 (18700)	16.02	15.01	14.03
	50RB-Low (0)	1900 (19100)	16.03	15.01	14.01
		1880 (18900)	16.04	15.07	14.05
		1860 (18700)	16.03	15.01	14.03
	100RB (0)	1900 (19100)	15.93	14.94	13.94
		1880 (18900)	16.02	15.00	14.01
		1860 (18700)	16.01	15.01	14.01

LTE B2 ANT4 DSI8

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	20.36	19.73	18.59
		1880 (18900)	20.50	19.58	18.63
		1850.7 (18607)	20.44	19.63	18.57
	1RB-Middle (3)	1909.3 (19193)	20.44	19.59	18.57
		1880 (18900)	20.46	19.62	18.66
		1850.7 (18607)	20.44	19.63	18.62
	1RB-Low (0)	1909.3 (19193)	20.42	19.48	18.65

		1880 (18900)	20.46	19.69	18.70
		1850.7 (18607)	20.48	19.75	18.60
		1909.3 (19193)	20.34	19.30	18.57
	3RB-High (3)	1880 (18900)	20.38	19.30	18.47
		1850.7 (18607)	20.30	19.28	18.45
		1909.3 (19193)	20.38	19.27	18.56
	3RB-Middle (1)	1880 (18900)	20.36	19.32	18.59
		1850.7 (18607)	20.37	19.34	18.57
		1909.3 (19193)	20.34	19.35	18.48
	3RB-Low (0)	1880 (18900)	20.38	19.30	18.55
		1850.7 (18607)	20.37	19.34	18.59
		1909.3 (19193)	19.31	18.43	17.36
	6RB (0)	1880 (18900)	19.39	18.41	17.41
		1850.7 (18607)	19.39	18.46	17.36
3MHz	1RB-High (14)	1908.5 (19185)	20.35	19.65	18.63
		1880 (18900)	20.65	19.85	18.80
		1851.5 (18615)	20.54	19.78	18.68
	1RB-Middle (7)	1908.5 (19185)	20.51	19.79	18.65
		1880 (18900)	20.70	19.57	18.79
		1851.5 (18615)	20.71	19.76	18.66
	1RB-Low (0)	1908.5 (19185)	20.51	19.96	18.66
		1880 (18900)	20.52	19.80	18.73
		1851.5 (18615)	20.48	19.58	18.70
	8RB-High (7)	1908.5 (19185)	19.54	18.39	17.40
		1880 (18900)	19.57	18.48	17.47
		1851.5 (18615)	19.39	18.70	17.66
	8RB-Middle (4)	1908.5 (19185)	19.53	18.42	17.41
		1880 (18900)	19.66	18.62	17.55
		1851.5 (18615)	19.49	18.44	17.57
	8RB-Low (0)	1908.5 (19185)	19.45	18.57	17.57
		1880 (18900)	19.48	18.68	17.56
		1851.5 (18615)	19.56	18.53	17.49
	15RB (0)	1908.5 (19185)	19.38	18.28	17.56
		1880 (18900)	19.63	18.43	17.49
		1851.5 (18615)	19.68	18.53	17.62
5MHz	1RB-High (24)	1907.5 (19175)	20.44	19.67	18.51
		1880 (18900)	20.71	19.87	18.73
		1852.5 (18625)	20.44	19.88	18.70
	1RB-Middle (12)	1907.5 (19175)	20.66	19.76	18.64
		1880 (18900)	20.54	19.70	18.79

		1852.5 (18625)	20.73	19.81	18.53
	1RB-Low (0)	1907.5 (19175)	20.41	19.88	18.70
		1880 (18900)	20.57	19.78	18.68
		1852.5 (18625)	20.64	19.61	18.62
		1907.5 (19175)	19.43	18.38	17.48
	12RB-High (13)	1880 (18900)	19.43	18.35	17.50
		1852.5 (18625)	19.49	18.61	17.58
		1907.5 (19175)	19.57	18.51	17.51
	12RB-Middle (6)	1880 (18900)	19.50	18.62	17.50
		1852.5 (18625)	19.49	18.50	17.65
		1907.5 (19175)	19.47	18.51	17.47
	12RB-Low (0)	1880 (18900)	19.46	18.61	17.55
		1852.5 (18625)	19.66	18.53	17.57
		25RB (0)	1907.5 (19175)	19.48	18.37
	1880 (18900)		19.62	18.40	17.51
	1852.5 (18625)		19.68	18.57	17.55
10MHz	1RB-High (49)	1905 (19150)	20.44	19.86	18.58
		1880 (18900)	20.48	19.82	18.64
		1855 (18650)	20.64	19.91	18.57
	1RB-Middle (24)	1905 (19150)	20.60	19.80	18.68
		1880 (18900)	20.58	19.75	18.71
		1855 (18650)	20.50	19.73	18.67
	1RB-Low (0)	1905 (19150)	20.57	19.81	18.69
		1880 (18900)	20.54	19.79	18.81
		1855 (18650)	20.58	19.67	18.63
	25RB-High (25)	1905 (19150)	19.38	18.46	17.36
		1880 (18900)	19.45	18.57	17.51
		1855 (18650)	19.60	18.44	17.52
	25RB-Middle (12)	1905 (19150)	19.44	18.46	17.56
		1880 (18900)	19.48	18.40	17.57
		1855 (18650)	19.45	18.46	17.52
	25RB-Low (0)	1905 (19150)	19.42	18.58	17.44
		1880 (18900)	19.52	18.57	17.52
		1855 (18650)	19.61	18.52	17.55
	50RB (0)	1905 (19150)	19.42	18.31	17.57
		1880 (18900)	19.52	18.52	17.54
		1855 (18650)	19.57	18.53	17.58
15MHz	1RB-High (74)	1902.5 (19125)	20.42	19.72	18.59
		1880 (18900)	20.62	19.89	18.72
		1857.5 (18675)	20.52	19.85	18.71

	1RB-Middle (37)	1902.5 (19125)	20.56	19.79	18.56
		1880 (18900)	20.61	19.64	18.69
		1857.5 (18675)	20.66	19.83	18.63
	1RB-Low (0)	1902.5 (19125)	20.50	19.91	18.65
		1880 (18900)	20.47	19.70	18.64
		1857.5 (18675)	20.55	19.68	18.62
	36RB-High (38)	1902.5 (19125)	19.50	18.35	17.41
		1880 (18900)	19.47	18.42	17.42
		1857.5 (18675)	19.45	18.63	17.59
	36RB-Middle (19)	1902.5 (19125)	19.48	18.50	17.45
		1880 (18900)	19.60	18.56	17.56
		1857.5 (18675)	19.51	18.44	17.55
	36RB-Low (0)	1902.5 (19125)	19.55	18.60	17.52
		1880 (18900)	19.54	18.66	17.64
		1857.5 (18675)	19.59	18.56	17.51
	75RB (0)	1902.5 (19125)	19.45	18.34	17.47
		1880 (18900)	19.56	18.50	17.44
		1857.5 (18675)	19.60	18.52	17.60
20MHz	1RB-High (99)	1900 (19100)	20.44	19.79	18.67
		1880 (18900)	20.52	19.80	18.66
		1860 (18700)	20.56	19.85	18.65
	1RB-Middle (50)	1900 (19100)	20.53	19.70	18.58
		1880 (18900)	20.58	19.72	18.72
		1860 (18700)	20.56	19.81	18.73
	1RB-Low (0)	1900 (19100)	20.49	19.91	18.72
		1880 (18900)	20.50	19.78	18.73
		1860 (18700)	20.54	19.66	18.67
	50RB-High (50)	1900 (19100)	19.41	18.43	17.41
		1880 (18900)	19.50	18.51	17.52
		1860 (18700)	19.53	18.54	17.54
	50RB-Middle (25)	1900 (19100)	19.47	18.47	17.48
		1880 (18900)	19.57	18.50	17.54
		1860 (18700)	19.55	18.53	17.55
	50RB-Low (0)	1900 (19100)	19.51	18.52	17.51
		1880 (18900)	19.55	18.56	17.57
		1860 (18700)	19.54	18.48	17.54
	100RB (0)	1900 (19100)	19.43	18.41	17.48
		1880 (18900)	19.51	18.49	17.49
		1860 (18700)	19.54	18.49	17.52

LTE B4 ANT0 DSI1/4

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1754.3 (20393)	23.28	22.41	21.38
		1732.5 (20175)	23.32	22.55	21.52
		1710.7 (19957)	23.34	22.54	21.55
	1RB-Middle (3)	1754.3 (20393)	23.31	22.44	21.49
		1732.5 (20175)	23.41	22.55	21.42
		1710.7 (19957)	23.32	22.50	21.50
	1RB-Low (0)	1754.3 (20393)	23.24	22.44	21.42
		1732.5 (20175)	23.40	22.63	21.45
		1710.7 (19957)	23.33	22.51	21.46
	3RB-High (3)	1754.3 (20393)	23.19	22.16	21.29
		1732.5 (20175)	23.21	22.27	21.42
		1710.7 (19957)	23.27	22.25	21.39
	3RB-Middle (1)	1754.3 (20393)	23.16	22.17	21.31
		1732.5 (20175)	23.28	22.30	21.36
		1710.7 (19957)	23.22	22.28	21.34
	3RB-Low (0)	1754.3 (20393)	23.20	22.19	21.28
		1732.5 (20175)	23.24	22.27	21.49
		1710.7 (19957)	23.27	22.33	21.37
	6RB (0)	1754.3 (20393)	22.19	21.27	20.19
		1732.5 (20175)	22.30	21.36	20.29
		1710.7 (19957)	22.28	21.34	20.29
3MHz	1RB-High (14)	1753.5 (20385)	23.18	22.49	21.42
		1732.5 (20175)	23.44	22.53	21.55
		1711.5 (19965)	23.26	22.46	21.44
	1RB-Middle (7)	1753.5 (20385)	23.27	22.43	21.50
		1732.5 (20175)	23.29	22.51	21.50
		1711.5 (19965)	23.29	22.47	21.50
	1RB-Low (0)	1753.5 (20385)	23.27	22.46	21.53
		1732.5 (20175)	23.39	22.53	21.59
		1711.5 (19965)	23.32	22.49	21.41
	8RB-High (7)	1753.5 (20385)	22.18	21.23	20.32
		1732.5 (20175)	22.32	21.37	20.39
		1711.5 (19965)	22.33	21.34	20.33
	8RB-Middle (4)	1753.5 (20385)	22.23	21.29	20.26
		1732.5 (20175)	22.35	21.35	20.32
		1711.5 (19965)	22.28	21.34	20.38
	8RB-Low (0)	1753.5 (20385)	22.25	21.32	20.25
		1732.5 (20175)	22.34	21.37	20.35

		1711.5 (19965)	22.34	21.35	20.43
	15RB (0)	1753.5 (20385)	22.20	21.20	20.24
		1732.5 (20175)	22.34	21.29	20.29
		1711.5 (19965)	22.26	21.32	20.29
5MHz	1RB-High (24)	1752.5 (20375)	23.34	22.59	21.49
		1732.5 (20175)	23.38	22.72	21.59
		1712.5 (19975)	23.35	22.50	21.54
	1RB-Middle (12)	1752.5 (20375)	23.37	22.61	21.61
		1732.5 (20175)	23.40	22.62	21.59
		1712.5 (19975)	23.34	22.54	21.56
	1RB-Low (0)	1752.5 (20375)	23.36	22.51	21.53
		1732.5 (20175)	23.45	22.72	21.61
		1712.5 (19975)	23.28	22.55	21.55
	12RB-High (13)	1752.5 (20375)	22.27	21.29	20.31
		1732.5 (20175)	22.40	21.36	20.42
		1712.5 (19975)	22.34	21.33	20.38
	12RB-Middle (6)	1752.5 (20375)	22.29	21.31	20.27
		1732.5 (20175)	22.35	21.39	20.39
		1712.5 (19975)	22.34	21.40	20.44
	12RB-Low (0)	1752.5 (20375)	22.28	21.27	20.32
		1732.5 (20175)	22.39	21.36	20.46
		1712.5 (19975)	22.38	21.37	20.39
	25RB (0)	1752.5 (20375)	22.32	21.31	20.27
		1732.5 (20175)	22.38	21.38	20.35
		1712.5 (19975)	22.39	21.34	20.36
10MHz	1RB-High (49)	1750 (20350)	23.25	22.57	21.54
		1732.5 (20175)	23.45	22.74	21.56
		1715 (20000)	23.49	22.71	21.61
	1RB-Middle (24)	1750 (20350)	23.33	22.55	21.48
		1732.5 (20175)	23.44	22.54	21.58
		1715 (20000)	23.37	22.56	21.59
	1RB-Low (0)	1750 (20350)	23.39	22.62	21.56
		1732.5 (20175)	23.50	22.67	21.55
		1715 (20000)	23.44	22.69	21.54
	25RB-High (25)	1750 (20350)	22.32	21.28	20.30
		1732.5 (20175)	22.41	21.38	20.38
		1715 (20000)	22.39	21.38	20.39
	25RB-Middle (12)	1750 (20350)	22.33	21.32	20.28
		1732.5 (20175)	22.40	21.37	20.36
		1715 (20000)	22.38	21.34	20.36

	25RB-Low (0)	1750 (20350)	22.34	21.35	20.34
		1732.5 (20175)	22.40	21.40	20.38
		1715 (20000)	22.38	21.37	20.36
	50RB (0)	1750 (20350)	22.33	21.32	20.35
		1732.5 (20175)	22.39	21.36	20.38
		1715 (20000)	22.37	21.35	20.36
15MHz	1RB-High (74)	1747.5 (20325)	23.27	22.53	21.40
		1732.5 (20175)	23.42	22.76	21.55
		1717.5 (20025)	23.47	22.70	21.61
	1RB-Middle (37)	1747.5 (20325)	23.40	22.64	21.55
		1732.5 (20175)	23.43	22.70	21.53
		1717.5 (20025)	23.43	22.60	21.54
	1RB-Low (0)	1747.5 (20325)	23.44	22.70	21.57
		1732.5 (20175)	23.45	22.78	21.64
		1717.5 (20025)	23.38	22.58	21.59
	36RB-High (38)	1747.5 (20325)	22.33	21.33	20.32
		1732.5 (20175)	22.39	21.40	20.42
		1717.5 (20025)	22.40	21.42	20.46
	36RB-Middle (19)	1747.5 (20325)	22.30	21.33	20.32
		1732.5 (20175)	22.39	21.38	20.41
		1717.5 (20025)	22.39	21.37	20.41
	36RB-Low (0)	1747.5 (20325)	22.34	21.38	20.39
		1732.5 (20175)	22.41	21.41	20.43
		1717.5 (20025)	22.37	21.36	20.39
	75RB (0)	1747.5 (20325)	22.36	21.36	20.37
		1732.5 (20175)	22.41	21.43	20.41
		1717.5 (20025)	22.42	21.42	20.43
20MHz	1RB-High (99)	1745 (20300)	23.27	22.56	21.50
		1732.5 (20175)	23.35	22.64	21.45
		1720 (20050)	23.44	22.74	21.60
	1RB-Middle (50)	1745 (20300)	23.37	22.62	21.61
		1732.5 (20175)	23.48	22.58	21.53
		1720 (20050)	23.43	22.74	21.60
	1RB-Low (0)	1745 (20300)	23.45	22.69	21.60
		1732.5 (20175)	23.47	22.60	21.57
		1720 (20050)	23.42	22.69	21.56
	50RB-High (50)	1745 (20300)	22.35	21.36	20.34
		1732.5 (20175)	22.41	21.39	20.41
		1720 (20050)	22.46	21.43	20.47
	50RB-Middle (25)	1745 (20300)	22.36	21.36	20.39

		1732.5 (20175)	22.47	21.42	20.43
		1720 (20050)	22.41	21.41	20.43
		1745 (20300)	22.43	21.41	20.43
	50RB-Low (0)	1732.5 (20175)	22.44	21.43	20.43
		1720 (20050)	22.40	21.37	20.40
		1745 (20300)	22.38	21.35	20.38
	100RB (0)	1732.5 (20175)	22.43	21.40	20.43
		1720 (20050)	22.42	21.40	20.41

LTE B4 ANT0 DSI2/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1754.3 (20393)	19.04	18.09	17.10
		1732.5 (20175)	19.05	18.08	17.12
		1710.7 (19957)	18.99	18.18	17.10
	1RB-Middle (3)	1754.3 (20393)	18.92	18.10	17.16
		1732.5 (20175)	19.16	18.19	17.16
		1710.7 (19957)	19.00	18.01	16.96
	1RB-Low (0)	1754.3 (20393)	19.04	18.07	17.06
		1732.5 (20175)	19.10	18.19	17.07
		1710.7 (19957)	19.00	18.11	17.01
	3RB-High (3)	1754.3 (20393)	18.95	17.81	16.96
		1732.5 (20175)	18.99	17.81	16.95
		1710.7 (19957)	18.93	17.74	16.90
	3RB-Middle (1)	1754.3 (20393)	18.91	17.79	16.96
		1732.5 (20175)	18.93	17.80	16.95
		1710.7 (19957)	18.95	17.78	16.88
	3RB-Low (0)	1754.3 (20393)	18.99	17.84	16.97
		1732.5 (20175)	19.04	17.84	16.94
		1710.7 (19957)	18.99	17.77	17.02
	6RB (0)	1754.3 (20393)	17.84	16.92	15.87
		1732.5 (20175)	17.82	16.90	15.88
		1710.7 (19957)	17.80	16.94	15.79
3MHz	1RB-High (14)	1753.5 (20385)	19.07	18.16	17.00
		1732.5 (20175)	19.06	18.24	17.07
		1711.5 (19965)	19.00	18.24	17.07
	1RB-Middle (7)	1753.5 (20385)	18.97	18.06	17.06
		1732.5 (20175)	19.11	18.02	17.06
		1711.5 (19965)	19.09	17.95	17.01
	1RB-Low (0)	1753.5 (20385)	19.01	18.07	17.06
		1732.5 (20175)	19.04	18.24	17.05

	8RB-High (7)	1711.5 (19965)	18.97	18.08	17.08
		1753.5 (20385)	17.90	16.96	15.99
		1732.5 (20175)	17.86	16.95	15.97
		1711.5 (19965)	17.88	16.94	15.93
	8RB-Middle (4)	1753.5 (20385)	17.86	16.95	15.98
		1732.5 (20175)	17.87	16.91	15.93
		1711.5 (19965)	17.88	16.93	15.91
	8RB-Low (0)	1753.5 (20385)	17.93	16.94	15.97
		1732.5 (20175)	17.91	16.93	15.95
		1711.5 (19965)	17.84	16.86	15.91
	15RB (0)	1753.5 (20385)	17.90	16.90	15.93
		1732.5 (20175)	17.86	16.86	15.88
		1711.5 (19965)	17.89	16.89	15.88
5MHz	1RB-High (24)	1752.5 (20375)	19.04	18.24	17.07
		1732.5 (20175)	19.15	18.24	17.03
		1712.5 (19975)	19.00	18.21	17.10
	1RB-Middle (12)	1752.5 (20375)	19.04	18.13	17.10
		1732.5 (20175)	19.10	18.19	17.01
		1712.5 (19975)	19.22	18.33	17.08
	1RB-Low (0)	1752.5 (20375)	19.11	18.13	17.16
		1732.5 (20175)	19.17	18.27	17.06
		1712.5 (19975)	19.11	18.09	17.06
	12RB-High (13)	1752.5 (20375)	17.92	16.93	15.96
		1732.5 (20175)	17.91	16.92	15.95
		1712.5 (19975)	17.97	16.98	15.97
	12RB-Middle (6)	1752.5 (20375)	17.95	16.98	16.00
		1732.5 (20175)	17.93	16.93	15.93
		1712.5 (19975)	17.92	16.96	15.94
	12RB-Low (0)	1752.5 (20375)	18.00	16.99	16.04
		1732.5 (20175)	17.95	16.92	15.93
		1712.5 (19975)	17.91	16.98	15.96
	25RB (0)	1752.5 (20375)	17.99	16.95	15.95
		1732.5 (20175)	17.98	16.95	15.94
		1712.5 (19975)	17.97	16.95	15.95
10MHz	1RB-High (49)	1750 (20350)	19.14	18.21	17.11
		1732.5 (20175)	19.17	18.28	17.12
		1715 (20000)	19.25	18.15	17.19
	1RB-Middle (24)	1750 (20350)	19.11	18.18	17.17
		1732.5 (20175)	19.14	18.19	17.11
		1715 (20000)	19.02	18.16	17.19

	1RB-Low (0)	1750 (20350)	19.14	18.27	17.21
		1732.5 (20175)	19.18	18.29	17.14
		1715 (20000)	19.11	18.31	17.08
	25RB-High (25)	1750 (20350)	17.95	16.97	15.94
		1732.5 (20175)	17.94	16.94	15.92
		1715 (20000)	17.96	16.95	15.93
	25RB-Middle (12)	1750 (20350)	17.95	16.91	15.94
		1732.5 (20175)	17.92	16.91	15.93
		1715 (20000)	17.97	16.96	15.95
	25RB-Low (0)	1750 (20350)	17.94	16.90	15.92
		1732.5 (20175)	17.95	16.94	15.94
		1715 (20000)	17.96	16.94	15.94
	50RB (0)	1750 (20350)	17.92	16.94	15.97
		1732.5 (20175)	17.94	16.93	15.96
		1715 (20000)	17.97	16.95	15.96
15MHz	1RB-High (74)	1747.5 (20325)	19.14	18.20	17.18
		1732.5 (20175)	19.15	18.27	17.13
		1717.5 (20025)	19.19	18.12	17.24
	1RB-Middle (37)	1747.5 (20325)	19.12	18.24	17.16
		1732.5 (20175)	19.17	18.29	17.19
		1717.5 (20025)	19.13	18.27	17.25
	1RB-Low (0)	1747.5 (20325)	19.18	18.29	17.19
		1732.5 (20175)	19.15	18.16	17.17
		1717.5 (20025)	19.09	18.19	17.22
	36RB-High (38)	1747.5 (20325)	17.90	16.94	15.95
		1732.5 (20175)	17.91	16.95	15.99
		1717.5 (20025)	17.93	16.92	15.98
	36RB-Middle (19)	1747.5 (20325)	17.91	16.92	15.93
		1732.5 (20175)	17.93	16.93	15.97
		1717.5 (20025)	17.93	16.94	15.98
	36RB-Low (0)	1747.5 (20325)	17.92	16.95	15.96
		1732.5 (20175)	17.95	16.95	15.99
		1717.5 (20025)	17.97	16.95	15.99
	75RB (0)	1747.5 (20325)	17.97	16.95	15.98
		1732.5 (20175)	17.96	16.95	15.96
		1717.5 (20025)	17.99	16.98	15.98
20MHz	1RB-High (99)	1745 (20300)	19.15	18.21	17.15
		1732.5 (20175)	19.15	18.21	17.11
		1720 (20050)	19.17	18.25	17.14
	1RB-Middle (50)	1745 (20300)	19.18	18.24	17.16

		1732.5 (20175)	19.21	18.31	17.12
		1720 (20050)	19.18	18.34	17.11
		1745 (20300)	19.17	18.25	17.15
	1RB-Low (0)	1732.5 (20175)	19.20	18.20	17.02
		1720 (20050)	19.08	18.22	17.08
		1745 (20300)	17.98	16.98	15.99
	50RB-High (50)	1732.5 (20175)	17.98	16.94	15.99
		1720 (20050)	17.98	16.98	15.97
		1745 (20300)	17.96	16.96	15.99
	50RB-Middle (25)	1732.5 (20175)	18.00	16.96	15.94
		1720 (20050)	17.98	17.00	15.99
		1745 (20300)	17.97	16.95	16.00
	50RB-Low (0)	1732.5 (20175)	17.98	16.96	15.98
		1720 (20050)	17.99	16.96	15.98
		1745 (20300)	17.96	16.93	15.94
	100RB (0)	1732.5 (20175)	17.99	16.94	15.97
		1720 (20050)	17.98	16.97	15.96
		1745 (20300)	17.96	16.93	15.94

LTE B4 ANT0 DSI3/6

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1754.3 (20393)	21.16	20.13	19.27
		1732.5 (20175)	21.08	20.10	19.22
		1710.7 (19957)	20.98	20.20	19.27
	1RB-Middle (3)	1754.3 (20393)	21.06	20.11	19.16
		1732.5 (20175)	21.35	20.38	19.34
		1710.7 (19957)	21.09	20.07	19.08
	1RB-Low (0)	1754.3 (20393)	21.23	20.22	19.12
		1732.5 (20175)	21.13	20.34	19.27
		1710.7 (19957)	21.16	20.17	19.13
	3RB-High (3)	1754.3 (20393)	20.98	19.88	19.09
		1732.5 (20175)	21.00	19.92	18.96
		1710.7 (19957)	20.92	19.90	19.02
	3RB-Middle (1)	1754.3 (20393)	20.92	19.86	18.97
		1732.5 (20175)	21.12	19.81	18.98
		1710.7 (19957)	20.97	20.00	18.99
	3RB-Low (0)	1754.3 (20393)	21.18	20.00	19.18
		1732.5 (20175)	21.17	19.98	19.06
		1710.7 (19957)	21.07	19.99	19.05
	6RB (0)	1754.3 (20393)	19.93	19.06	17.94

		1732.5 (20175)	20.02	19.09	18.03
		1710.7 (19957)	20.00	19.15	17.87
3MHz	1RB-High (14)	1753.5 (20385)	21.08	20.31	19.08
		1732.5 (20175)	21.08	20.26	19.16
		1711.5 (19965)	21.05	20.38	19.25
	1RB-Middle (7)	1753.5 (20385)	21.10	20.06	19.13
		1732.5 (20175)	21.17	20.17	19.09
		1711.5 (19965)	21.25	20.13	19.02
	1RB-Low (0)	1753.5 (20385)	21.21	20.30	19.12
		1732.5 (20175)	21.07	20.26	19.18
		1711.5 (19965)	21.20	20.17	19.09
	8RB-High (7)	1753.5 (20385)	19.91	19.19	17.98
		1732.5 (20175)	20.08	18.94	18.14
		1711.5 (19965)	20.06	19.15	17.95
	8RB-Middle (4)	1753.5 (20385)	19.88	18.99	18.16
		1732.5 (20175)	20.10	19.06	18.11
		1711.5 (19965)	19.91	18.98	18.06
	8RB-Low (0)	1753.5 (20385)	20.10	19.03	18.01
		1732.5 (20175)	19.95	18.94	17.98
		1711.5 (19965)	19.87	18.98	18.08
	15RB (0)	1753.5 (20385)	20.04	18.93	18.06
		1732.5 (20175)	19.90	18.88	18.04
		1711.5 (19965)	20.10	18.99	17.94
5MHz	1RB-High (24)	1752.5 (20375)	21.08	20.32	19.06
		1732.5 (20175)	21.14	20.46	19.12
		1712.5 (19975)	21.17	20.25	19.11
	1RB-Middle (12)	1752.5 (20375)	21.04	20.14	19.10
		1732.5 (20175)	21.18	20.34	19.07
		1712.5 (19975)	21.26	20.49	19.11
	1RB-Low (0)	1752.5 (20375)	21.30	20.18	19.29
		1732.5 (20175)	21.26	20.28	19.22
		1712.5 (19975)	21.16	20.18	19.13
	12RB-High (13)	1752.5 (20375)	20.02	19.13	18.14
		1732.5 (20175)	19.92	18.95	18.11
		1712.5 (19975)	20.15	19.08	18.02
	12RB-Middle (6)	1752.5 (20375)	20.12	19.13	18.13
		1732.5 (20175)	20.05	19.08	18.09
		1712.5 (19975)	20.03	18.95	18.09
	12RB-Low (0)	1752.5 (20375)	20.11	19.03	18.15
		1732.5 (20175)	20.05	18.95	18.05

		1712.5 (19975)	19.96	19.07	17.98
	25RB (0)	1752.5 (20375)	20.09	19.07	18.08
		1732.5 (20175)	20.21	19.07	18.16
		1712.5 (19975)	19.99	18.97	18.05
10MHz	1RB-High (49)	1750 (20350)	21.35	20.44	19.24
		1732.5 (20175)	21.21	20.27	19.20
		1715 (20000)	21.36	20.23	19.18
	1RB-Middle (24)	1750 (20350)	21.16	20.35	19.26
		1732.5 (20175)	21.30	20.27	19.20
		1715 (20000)	21.06	20.27	19.41
	1RB-Low (0)	1750 (20350)	21.28	20.29	19.31
		1732.5 (20175)	21.22	20.29	19.29
		1715 (20000)	21.18	20.31	19.10
	25RB-High (25)	1750 (20350)	20.17	19.20	18.01
		1732.5 (20175)	20.12	19.01	18.07
		1715 (20000)	19.98	19.18	17.94
	25RB-Middle (12)	1750 (20350)	20.17	19.01	18.14
		1732.5 (20175)	20.00	18.96	17.98
		1715 (20000)	20.17	19.00	18.15
	25RB-Low (0)	1750 (20350)	20.13	18.97	18.09
		1732.5 (20175)	20.10	19.14	18.11
		1715 (20000)	20.02	18.94	18.17
	50RB (0)	1750 (20350)	19.98	18.94	18.13
		1732.5 (20175)	20.11	19.01	18.16
		1715 (20000)	20.14	18.97	18.02
15MHz	1RB-High (74)	1747.5 (20325)	21.21	20.38	19.19
		1732.5 (20175)	21.15	20.43	19.18
		1717.5 (20025)	21.18	20.31	19.34
	1RB-Middle (37)	1747.5 (20325)	21.20	20.24	19.18
		1732.5 (20175)	21.16	20.39	19.23
		1717.5 (20025)	21.19	20.47	19.36
	1RB-Low (0)	1747.5 (20325)	21.31	20.52	19.31
		1732.5 (20175)	21.14	20.21	19.18
		1717.5 (20025)	21.10	20.19	19.41
	36RB-High (38)	1747.5 (20325)	20.10	19.05	18.09
		1732.5 (20175)	19.95	19.15	18.14
		1717.5 (20025)	19.98	19.07	18.06
	36RB-Middle (19)	1747.5 (20325)	20.05	19.05	17.99
		1732.5 (20175)	20.16	19.03	18.06
		1717.5 (20025)	20.12	19.12	18.08

	36RB-Low (0)	1747.5 (20325)	20.05	18.96	18.16
		1732.5 (20175)	19.95	18.95	18.12
		1717.5 (20025)	20.14	19.10	18.16
	75RB (0)	1747.5 (20325)	20.06	19.03	18.18
		1732.5 (20175)	20.07	19.12	18.07
		1717.5 (20025)	20.14	19.13	17.97
20MHz	1RB-High (99)	1745 (20300)	21.20	20.40	19.36
		1732.5 (20175)	21.38	20.26	19.11
		1720 (20050)	21.16	20.38	19.21
	1RB-Middle (50)	1745 (20300)	21.32	20.23	19.23
		1732.5 (20175)	21.44	20.30	19.23
		1720 (20050)	21.29	20.35	19.12
	1RB-Low (0)	1745 (20300)	21.36	20.31	19.30
		1732.5 (20175)	21.36	20.43	19.23
		1720 (20050)	21.24	20.35	19.30
	50RB-High (50)	1745 (20300)	19.93	19.01	17.99
		1732.5 (20175)	19.97	19.17	18.02
		1720 (20050)	20.00	19.10	17.97
	50RB-Middle (25)	1745 (20300)	20.10	19.08	18.21
		1732.5 (20175)	20.16	18.95	17.98
		1720 (20050)	19.97	19.22	18.12
	50RB-Low (0)	1745 (20300)	20.11	19.14	18.23
		1732.5 (20175)	20.00	19.08	17.98
		1720 (20050)	20.03	19.16	18.09
	100RB (0)	1745 (20300)	19.99	19.15	17.94
		1732.5 (20175)	19.98	19.02	18.18
		1720 (20050)	20.14	18.96	18.00

LTE B5 ANT0 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)	23.86	23.22	22.11
		836.5 (20525)	24.00	23.28	22.15
		824.7 (20407)	24.04	23.02	22.07
	1RB-Middle (3)	848.3 (20643)	23.78	23.14	22.15
		836.5 (20525)	24.04	23.12	22.13
		824.7 (20407)	24.03	22.98	22.17
	1RB-Low (0)	848.3 (20643)	23.89	23.07	22.07
		836.5 (20525)	24.01	23.27	22.20
		824.7 (20407)	23.99	23.00	22.24
	3RB-High (3)	848.3 (20643)	23.90	22.92	22.08

		836.5 (20525)	23.90	22.95	21.99
		824.7 (20407)	23.90	22.95	22.07
	3RB-Middle (1)	848.3 (20643)	23.87	22.88	22.06
		836.5 (20525)	23.80	22.91	22.04
		824.7 (20407)	23.81	23.03	22.07
	3RB-Low (0)	848.3 (20643)	23.80	22.88	22.06
		836.5 (20525)	23.88	22.95	22.01
		824.7 (20407)	23.89	22.91	22.02
	6RB (0)	848.3 (20643)	22.93	22.01	20.94
		836.5 (20525)	22.99	22.03	20.95
		824.7 (20407)	23.00	22.00	20.92
3MHz	1RB-High (14)	847.5 (20635)	24.01	23.04	22.17
		836.5 (20525)	23.92	23.13	22.17
		825.5 (20415)	23.90	23.06	22.14
	1RB-Middle (7)	847.5 (20635)	23.94	23.08	22.13
		836.5 (20525)	23.96	23.18	22.17
		825.5 (20415)	24.03	23.16	22.11
	1RB-Low (0)	847.5 (20635)	24.08	23.10	22.13
		836.5 (20525)	23.95	23.20	22.15
		825.5 (20415)	23.86	23.16	22.18
	8RB-High (7)	847.5 (20635)	22.90	21.93	20.97
		836.5 (20525)	22.95	22.06	21.00
		825.5 (20415)	22.95	22.05	20.95
	8RB-Middle (4)	847.5 (20635)	22.94	21.97	20.99
		836.5 (20525)	22.98	22.00	20.99
		825.5 (20415)	22.95	22.06	21.04
	8RB-Low (0)	847.5 (20635)	22.94	22.03	20.94
		836.5 (20525)	22.99	22.08	21.11
		825.5 (20415)	22.99	22.08	21.13
	15RB (0)	847.5 (20635)	22.95	21.98	20.93
		836.5 (20525)	22.98	22.01	20.95
		825.5 (20415)	22.95	21.95	20.98
5MHz	1RB-High (24)	846.5 (20625)	24.03	23.15	22.26
		836.5 (20525)	23.91	23.22	22.19
		826.5 (20425)	23.97	23.35	22.10
	1RB-Middle (12)	846.5 (20625)	24.07	23.22	22.27
		836.5 (20525)	24.18	23.29	22.24
		826.5 (20425)	24.04	23.12	22.04
	1RB-Low (0)	846.5 (20625)	23.97	23.09	22.13
		836.5 (20525)	24.06	23.18	22.33

	12RB-High (13)	826.5 (20425)	24.00	23.25	22.16
		846.5 (20625)	23.01	21.98	21.06
		836.5 (20525)	23.00	21.96	21.02
		826.5 (20425)	22.99	21.98	21.03
	12RB-Middle (6)	846.5 (20625)	22.99	21.97	20.97
		836.5 (20525)	23.03	21.98	21.09
		826.5 (20425)	23.00	22.05	21.05
	12RB-Low (0)	846.5 (20625)	23.00	22.02	21.04
		836.5 (20525)	23.03	22.04	21.12
		826.5 (20425)	23.02	22.04	21.05
	25RB (0)	846.5 (20625)	22.99	22.02	20.97
		836.5 (20525)	23.09	22.04	21.01
		826.5 (20425)	23.04	22.06	21.03
10MHz	1RB-High (49)	844 (20600)	24.11	23.28	22.20
		836.5 (20525)	24.11	23.12	22.17
		829 (20450)	24.00	23.16	22.23
	1RB-Middle (24)	844 (20600)	23.94	23.20	22.01
		836.5 (20525)	24.17	23.17	22.20
		829 (20450)	23.90	23.16	22.16
	1RB-Low (0)	844 (20600)	24.11	23.18	22.27
		836.5 (20525)	24.15	23.24	22.19
		829 (20450)	24.07	23.26	22.16
	25RB-High (25)	844 (20600)	22.93	21.93	20.93
		836.5 (20525)	23.00	22.00	20.97
		829 (20450)	23.01	22.02	20.99
	25RB-Middle (12)	844 (20600)	22.96	21.98	20.96
		836.5 (20525)	23.04	22.01	20.99
		829 (20450)	22.98	22.00	20.97
	25RB-Low (0)	844 (20600)	23.00	22.00	20.97
		836.5 (20525)	23.03	22.00	21.01
		829 (20450)	23.00	22.04	20.99
	50RB (0)	844 (20600)	22.97	21.99	21.00
		836.5 (20525)	23.01	21.98	21.00
		829 (20450)	23.00	21.97	20.99

LTE B7 ANT0 DSI1/3/4/6

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2567.5 (21425)	22.75	21.86	20.70
		2535 (21100)	22.54	21.85	20.77
		2502.5 (20775)	22.56	21.89	20.69

	1RB-Middle (12)	2567.5 (21425)	22.78	21.83	20.83
		2535 (21100)	22.87	21.92	20.96
		2502.5 (20775)	22.66	21.77	20.76
	1RB-Low (0)	2567.5 (21425)	22.82	21.90	20.95
		2535 (21100)	22.76	21.85	20.87
		2502.5 (20775)	22.57	21.97	20.65
	12RB-High (13)	2567.5 (21425)	21.76	20.68	19.74
		2535 (21100)	21.80	20.71	19.70
		2502.5 (20775)	21.71	20.54	19.68
	12RB-Middle (6)	2567.5 (21425)	21.69	20.78	19.77
		2535 (21100)	21.69	20.63	19.65
		2502.5 (20775)	21.64	20.67	19.50
	12RB-Low (0)	2567.5 (21425)	21.81	20.74	19.80
		2535 (21100)	21.75	20.66	19.58
		2502.5 (20775)	21.59	20.50	19.48
	25RB (0)	2567.5 (21425)	21.68	20.86	19.71
		2535 (21100)	21.66	20.75	19.77
		2502.5 (20775)	21.50	20.50	19.51
10MHz	1RB-High (49)	2565 (21400)	22.64	21.91	20.68
		2535 (21100)	22.61	21.83	20.83
		2505 (20800)	22.69	21.80	20.81
	1RB-Middle (24)	2565 (21400)	22.83	21.87	20.86
		2535 (21100)	22.78	21.79	20.73
		2505 (20800)	22.58	21.77	20.72
	1RB-Low (0)	2565 (21400)	22.88	21.89	20.97
		2535 (21100)	22.59	21.96	20.91
		2505 (20800)	22.61	21.88	20.78
	25RB-High (25)	2565 (21400)	21.73	20.74	19.81
		2535 (21100)	21.68	20.81	19.67
		2505 (20800)	21.53	20.60	19.65
	25RB-Middle (12)	2565 (21400)	21.77	20.78	19.86
		2535 (21100)	21.76	20.66	19.71
		2505 (20800)	21.62	20.65	19.58
	25RB-Low (0)	2565 (21400)	21.85	20.71	19.74
		2535 (21100)	21.73	20.81	19.66
		2505 (20800)	21.58	20.66	19.38
	50RB (0)	2565 (21400)	21.58	20.71	19.78
		2535 (21100)	21.81	20.66	19.63
		2505 (20800)	21.63	20.68	19.63
15MHz	1RB-High (74)	2562.5 (21375)	22.67	21.88	20.82

		2535 (21100)	22.55	21.84	20.88
		2507.5 (20825)	22.63	21.98	20.81
	1RB-Middle (37)	2562.5 (21375)	22.76	21.82	20.87
		2535 (21100)	22.80	21.94	20.87
		2507.5 (20825)	22.54	21.86	20.88
	1RB-Low (0)	2562.5 (21375)	22.77	21.93	20.95
		2535 (21100)	22.57	21.90	20.89
		2507.5 (20825)	22.51	21.94	20.70
	36RB-High (38)	2562.5 (21375)	21.64	20.70	19.76
		2535 (21100)	21.75	20.81	19.81
		2507.5 (20825)	21.56	20.56	19.52
	36RB-Middle (19)	2562.5 (21375)	21.69	20.88	19.85
		2535 (21100)	21.83	20.72	19.80
		2507.5 (20825)	21.61	20.56	19.62
	36RB-Low (0)	2562.5 (21375)	21.72	20.69	19.74
		2535 (21100)	21.77	20.72	19.62
		2507.5 (20825)	21.50	20.48	19.53
	75RB (0)	2562.5 (21375)	21.67	20.75	19.78
		2535 (21100)	21.76	20.79	19.73
		2507.5 (20825)	21.55	20.67	19.56
20MHz	1RB-High (99)	2560 (21350)	22.69	21.90	20.78
		2535 (21100)	22.64	21.83	20.82
		2510 (20850)	22.65	21.88	20.78
	1RB-Middle (50)	2560 (21350)	22.76	21.91	20.92
		2535 (21100)	22.79	21.86	20.92
		2510 (20850)	22.56	21.82	20.79
	1RB-Low (0)	2560 (21350)	22.78	21.94	20.92
		2535 (21100)	22.66	21.92	20.81
		2510 (20850)	22.53	21.91	20.74
	50RB-High (50)	2560 (21350)	21.72	20.78	19.80
		2535 (21100)	21.70	20.73	19.74
		2510 (20850)	21.62	20.61	19.59
	50RB-Middle (25)	2560 (21350)	21.75	20.78	19.84
		2535 (21100)	21.78	20.70	19.75
		2510 (20850)	21.58	20.58	19.56
	50RB-Low (0)	2560 (21350)	21.76	20.77	19.81
		2535 (21100)	21.70	20.71	19.67
		2510 (20850)	21.53	20.56	19.48
	100RB (0)	2560 (21350)	21.67	20.76	19.78
		2535 (21100)	21.74	20.69	19.68
		2510 (20850)	21.59	20.59	19.53

LTE B7 ANT0 DSI2/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2567.5 (21425)	20.70	19.90	18.98
		2535 (21100)	20.75	20.04	18.93
		2502.5 (20775)	20.72	19.95	18.76
	1RB-Middle (12)	2567.5 (21425)	20.72	20.01	19.00
		2535 (21100)	20.82	20.01	18.90
		2502.5 (20775)	20.72	19.90	18.83
	1RB-Low (0)	2567.5 (21425)	20.79	20.00	18.90
		2535 (21100)	20.77	19.96	18.90
		2502.5 (20775)	20.70	20.04	18.77
	12RB-High (13)	2567.5 (21425)	19.74	18.77	17.76
		2535 (21100)	19.74	18.75	17.78
		2502.5 (20775)	19.70	18.70	17.70
	12RB-Middle (6)	2567.5 (21425)	19.76	18.75	17.82
		2535 (21100)	19.75	18.73	17.77
		2502.5 (20775)	19.69	18.70	17.71
	12RB-Low (0)	2567.5 (21425)	19.79	18.79	17.80
		2535 (21100)	19.77	18.79	17.80
		2502.5 (20775)	19.70	18.72	17.79
	25RB (0)	2567.5 (21425)	19.78	18.80	17.83
		2535 (21100)	19.77	18.76	17.76
		2502.5 (20775)	19.74	18.69	17.69
10MHz	1RB-High (49)	2565 (21400)	20.72	20.10	19.01
		2535 (21100)	20.76	19.97	18.87
		2505 (20800)	20.73	19.90	18.82
	1RB-Middle (24)	2565 (21400)	20.78	19.99	18.93
		2535 (21100)	20.76	19.99	18.87
		2505 (20800)	20.81	19.88	18.86
	1RB-Low (0)	2565 (21400)	20.76	20.18	18.94
		2535 (21100)	20.82	19.98	18.94
		2505 (20800)	20.78	20.04	18.91
	25RB-High (25)	2565 (21400)	19.79	18.79	17.79
		2535 (21100)	19.73	18.74	17.76
		2505 (20800)	19.74	18.69	17.69
	25RB-Middle (12)	2565 (21400)	19.81	18.83	17.81
		2535 (21100)	19.76	18.73	17.76
		2505 (20800)	19.73	18.71	17.68
	25RB-Low (0)	2565 (21400)	19.82	18.85	17.83

	50RB (0)	2535 (21100)	19.74	18.76	17.75
		2505 (20800)	19.69	18.71	17.70
		2565 (21400)	19.80	18.84	17.83
		2535 (21100)	19.75	18.75	17.76
		2505 (20800)	19.68	18.69	17.67
15MHz	1RB-High (74)	2562.5 (21375)	20.73	20.02	18.79
		2535 (21100)	20.73	20.02	18.90
		2507.5 (20825)	20.73	19.92	18.79
	1RB-Middle (37)	2562.5 (21375)	20.78	20.09	19.00
		2535 (21100)	20.82	20.10	18.89
		2507.5 (20825)	20.73	19.98	18.87
	1RB-Low (0)	2562.5 (21375)	20.79	19.99	18.96
		2535 (21100)	20.78	20.09	18.89
		2507.5 (20825)	20.71	19.86	18.88
	36RB-High (38)	2562.5 (21375)	19.76	18.76	17.76
		2535 (21100)	19.76	18.74	17.76
		2507.5 (20825)	19.67	18.66	17.67
	36RB-Middle (19)	2562.5 (21375)	19.77	18.79	17.83
		2535 (21100)	19.71	18.76	17.80
		2507.5 (20825)	19.68	18.66	17.71
	36RB-Low (0)	2562.5 (21375)	19.77	18.80	17.83
		2535 (21100)	19.70	18.71	17.75
		2507.5 (20825)	19.66	18.65	17.71
	75RB (0)	2562.5 (21375)	19.79	18.79	17.83
		2535 (21100)	19.76	18.77	17.73
		2507.5 (20825)	19.69	18.69	17.67
20MHz	1RB-High (99)	2560 (21350)	20.71	19.96	18.86
		2535 (21100)	20.71	19.94	18.88
		2510 (20850)	20.74	19.91	18.94
	1RB-Middle (50)	2560 (21350)	20.77	20.01	18.92
		2535 (21100)	20.87	19.98	18.88
		2510 (20850)	20.78	19.86	18.86
	1RB-Low (0)	2560 (21350)	20.79	20.13	19.02
		2535 (21100)	20.78	20.06	18.91
		2510 (20850)	20.70	20.01	18.83
	50RB-High (50)	2560 (21350)	19.79	18.84	17.83
		2535 (21100)	19.76	18.77	17.77
		2510 (20850)	19.73	18.70	17.71
	50RB-Middle (25)	2560 (21350)	19.74	18.86	17.83
		2535 (21100)	19.82	18.78	17.79

	50RB-Low (0)	2510 (20850)	19.69	18.67	17.70
		2560 (21350)	19.78	18.82	17.81
		2535 (21100)	19.77	18.75	17.79
		2510 (20850)	19.68	18.64	17.70
	100RB (0)	2560 (21350)	19.78	18.79	17.80
		2535 (21100)	19.82	18.73	17.76
		2510 (20850)	19.69	18.65	17.70

LTE B12 ANT0 DSI1/2/3/4/5/6/7/8/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	715.3 (23173)	24.11	23.14	22.19
		707.5 (23095)	24.14	23.18	22.30
		699.7 (23017)	24.11	23.41	22.30
	1RB-Middle (3)	715.3 (23173)	24.11	23.15	22.22
		707.5 (23095)	23.95	23.16	22.21
		699.7 (23017)	23.95	23.30	22.21
	1RB-Low (0)	715.3 (23173)	23.96	23.20	22.27
		707.5 (23095)	24.11	23.19	22.28
		699.7 (23017)	24.24	23.22	22.20
	3RB-High (3)	715.3 (23173)	24.06	22.92	22.08
		707.5 (23095)	23.92	22.98	22.08
		699.7 (23017)	24.04	23.08	22.12
	3RB-Middle (1)	715.3 (23173)	23.97	22.95	22.19
		707.5 (23095)	23.98	23.00	22.10
		699.7 (23017)	23.99	22.96	22.14
	3RB-Low (0)	715.3 (23173)	24.03	23.09	22.20
		707.5 (23095)	24.01	23.02	22.15
		699.7 (23017)	23.90	22.87	22.09
	6RB (0)	715.3 (23173)	22.98	22.10	21.01
		707.5 (23095)	23.03	22.06	21.00
		699.7 (23017)	23.00	22.07	21.05
3MHz	1RB-High (14)	714.5 (23165)	24.33	23.11	22.07
		707.5 (23095)	23.92	23.10	22.24
		700.5 (23025)	24.17	23.17	22.18
	1RB-Middle (7)	714.5 (23165)	24.28	23.07	22.14
		707.5 (23095)	24.01	23.22	22.15
		700.5 (23025)	24.28	23.28	22.20
	1RB-Low (0)	714.5 (23165)	23.89	23.18	22.20
		707.5 (23095)	24.17	23.25	22.21
		700.5 (23025)	24.11	23.25	22.22

	8RB-High (7)	714.5 (23165)	23.04	22.02	21.09
		707.5 (23095)	23.01	22.07	21.05
		700.5 (23025)	23.05	22.16	21.14
	8RB-Middle (4)	714.5 (23165)	23.02	22.11	21.07
		707.5 (23095)	23.03	22.09	21.07
		700.5 (23025)	23.06	22.09	21.12
	8RB-Low (0)	714.5 (23165)	23.05	22.10	21.11
		707.5 (23095)	22.98	22.09	21.13
		700.5 (23025)	23.11	22.19	21.15
	15RB (0)	714.5 (23165)	23.02	22.04	21.00
		707.5 (23095)	22.98	22.02	21.01
		700.5 (23025)	23.08	22.04	21.14
5MHz	1RB-High (24)	713.5 (23155)	24.18	23.23	22.18
		707.5 (23095)	24.15	23.24	22.30
		701.5 (23035)	24.13	23.32	22.11
	1RB-Middle (12)	713.5 (23155)	24.02	23.14	22.20
		707.5 (23095)	24.07	23.26	22.28
		701.5 (23035)	24.03	23.28	22.17
	1RB-Low (0)	713.5 (23155)	24.08	23.29	22.21
		707.5 (23095)	24.11	23.30	22.19
		701.5 (23035)	24.18	23.38	22.29
	12RB-High (13)	713.5 (23155)	23.08	22.04	21.09
		707.5 (23095)	23.05	22.08	21.08
		701.5 (23035)	23.04	22.10	21.14
	12RB-Middle (6)	713.5 (23155)	23.04	22.02	21.08
		707.5 (23095)	23.03	22.06	21.08
		701.5 (23035)	23.09	22.12	21.11
	12RB-Low (0)	713.5 (23155)	23.08	22.09	21.16
		707.5 (23095)	23.05	22.06	21.10
		701.5 (23035)	23.10	22.16	21.14
	25RB (0)	713.5 (23155)	23.11	22.14	21.11
		707.5 (23095)	23.06	22.08	21.08
		701.5 (23035)	23.09	22.11	21.12
10MHz	1RB-High (49)	711 (23130)	24.04	23.44	22.19
		707.5 (23095)	24.11	23.34	22.20
		704 (23060)	24.17	23.22	22.18
	1RB-Middle (24)	711 (23130)	23.99	23.15	22.21
		707.5 (23095)	24.21	23.24	22.22
		704 (23060)	23.95	23.15	22.10
	1RB-Low (0)	711 (23130)	24.07	23.42	22.33

		707.5 (23095)	24.19	23.29	22.25
		704 (23060)	24.11	23.28	22.24
		711 (23130)	23.02	22.06	21.05
	25RB-High (25)	707.5 (23095)	23.01	22.01	21.00
		704 (23060)	23.06	22.04	21.05
		711 (23130)	23.02	22.01	21.02
	25RB-Middle (12)	707.5 (23095)	23.11	22.04	21.01
		704 (23060)	23.02	22.02	21.00
		711 (23130)	23.05	22.10	21.10
	25RB-Low (0)	707.5 (23095)	23.09	22.02	21.05
		704 (23060)	23.04	22.06	21.03
		711 (23130)	23.03	22.04	21.06
	50RB (0)	707.5 (23095)	23.04	22.02	21.03
		704 (23060)	23.03	22.01	21.01
		711 (23130)	23.03	22.04	21.06

LTE B12 ANT4 DSI1/2/3/4/5/6/7/8/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	715.3 (23173)	24.27	23.36	22.33
		707.5 (23095)	24.13	23.36	22.25
		699.7 (23017)	24.33	23.24	22.39
	1RB-Middle (3)	715.3 (23173)	24.29	23.37	22.56
		707.5 (23095)	24.35	23.41	22.26
		699.7 (23017)	24.31	23.16	22.25
	1RB-Low (0)	715.3 (23173)	24.51	23.33	22.57
		707.5 (23095)	24.34	23.44	22.50
		699.7 (23017)	24.32	23.34	22.37
	3RB-High (3)	715.3 (23173)	23.30	22.28	22.27
		707.5 (23095)	23.14	22.04	22.34
		699.7 (23017)	23.34	22.46	22.34
	3RB-Middle (1)	715.3 (23173)	23.32	22.22	22.27
		707.5 (23095)	23.15	22.19	22.22
		699.7 (23017)	23.22	22.16	22.22
	3RB-Low (0)	715.3 (23173)	23.21	22.31	22.27
		707.5 (23095)	23.31	22.11	22.29
		699.7 (23017)	23.19	22.33	22.37
	6RB (0)	715.3 (23173)	23.12	22.32	21.24
		707.5 (23095)	23.19	22.11	21.17
		699.7 (23017)	23.33	22.39	21.10
3MHz	1RB-High (14)	714.5 (23165)	24.32	23.37	22.43
		707.5 (23095)	24.30	23.40	22.43

	1RB-Middle (7)	700.5 (23025)	24.21	23.28	22.46
		714.5 (23165)	24.29	23.40	22.38
		707.5 (23095)	24.27	23.36	22.33
		700.5 (23025)	24.14	23.23	22.31
	1RB-Low (0)	714.5 (23165)	24.29	23.36	22.41
		707.5 (23095)	24.29	23.38	22.37
		700.5 (23025)	24.38	23.36	22.42
	8RB-High (7)	714.5 (23165)	23.34	22.28	21.24
		707.5 (23095)	23.27	22.13	21.16
		700.5 (23025)	23.31	22.30	21.30
	8RB-Middle (4)	714.5 (23165)	23.28	22.19	21.14
		707.5 (23095)	23.14	22.08	21.16
		700.5 (23025)	23.24	22.23	21.22
	8RB-Low (0)	714.5 (23165)	23.20	22.23	21.13
		707.5 (23095)	23.12	22.33	21.36
		700.5 (23025)	23.20	22.21	21.21
	15RB (0)	714.5 (23165)	23.17	22.18	21.19
		707.5 (23095)	23.12	22.21	21.12
		700.5 (23025)	23.33	22.31	21.15
5MHz	1RB-High (24)	713.5 (23155)	24.34	23.44	22.29
		707.5 (23095)	24.17	23.28	22.32
		701.5 (23035)	24.28	23.32	22.46
	1RB-Middle (12)	713.5 (23155)	24.29	23.37	22.46
		707.5 (23095)	24.30	23.32	22.33
		701.5 (23035)	24.21	23.26	22.24
	1RB-Low (0)	713.5 (23155)	24.44	23.42	22.48
		707.5 (23095)	24.40	23.34	22.43
		701.5 (23035)	24.36	23.37	22.43
	12RB-High (13)	713.5 (23155)	23.35	22.28	21.33
		707.5 (23095)	23.07	22.13	21.31
		701.5 (23035)	23.34	22.38	21.26
	12RB-Middle (6)	713.5 (23155)	23.30	22.27	21.32
		707.5 (23095)	23.10	22.21	21.18
		701.5 (23035)	23.20	22.17	21.26
	12RB-Low (0)	713.5 (23155)	23.29	22.26	21.30
		707.5 (23095)	23.27	22.21	21.31
		701.5 (23035)	23.11	22.32	21.29
	25RB (0)	713.5 (23155)	23.18	22.29	21.26
		707.5 (23095)	23.16	22.21	21.21
		701.5 (23035)	23.25	22.35	21.19

10MHz	1RB-High (49)	711 (23130)	24.34	23.42	22.39
		707.5 (23095)	24.26	23.36	22.35
		704 (23060)	24.29	23.38	22.36
	1RB-Middle (24)	711 (23130)	24.28	23.38	22.36
		707.5 (23095)	24.36	23.35	22.34
		704 (23060)	24.20	23.32	22.32
	1RB-Low (0)	711 (23130)	24.32	23.43	22.39
		707.5 (23095)	24.35	23.41	22.38
		704 (23060)	24.31	23.40	22.37
	25RB-High (25)	711 (23130)	23.25	22.26	21.24
		707.5 (23095)	23.17	22.21	21.21
		704 (23060)	23.22	22.29	21.25
	25RB-Middle (12)	711 (23130)	23.22	22.24	21.23
		707.5 (23095)	23.31	22.17	21.20
		704 (23060)	23.22	22.24	21.26
	25RB-Low (0)	711 (23130)	23.23	22.25	21.23
		707.5 (23095)	23.30	22.24	21.29
		704 (23060)	23.18	22.22	21.22
	50RB (0)	711 (23130)	23.22	22.24	21.23
		707.5 (23095)	23.25	22.22	21.20
		704 (23060)	23.19	22.26	21.24

LTE B14 ANT0 DSI1/2/3/4/5/6/7/8/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	795.5 (23355)	23.53	22.81	21.73
		793 (23330)	23.53	22.85	21.77
		790.5 (23305)	23.67	22.74	21.85
	1RB-Middle (12)	795.5 (23355)	23.71	22.93	21.75
		793 (23330)	23.48	22.74	21.83
		790.5 (23305)	23.64	22.80	21.78
	1RB-Low (0)	795.5 (23355)	23.64	22.78	21.77
		793 (23330)	23.66	22.96	21.73
		790.5 (23305)	23.50	22.91	21.71
	12RB-High (13)	795.5 (23355)	22.56	21.47	20.51
		793 (23330)	22.49	21.69	20.61
		790.5 (23305)	22.69	21.51	20.59
	12RB-Middle (6)	795.5 (23355)	22.59	21.58	20.59
		793 (23330)	22.50	21.61	20.58
		790.5 (23305)	22.55	21.57	20.57
	12RB-Low (0)	795.5 (23355)	22.64	21.70	20.56
		793 (23330)	22.66	21.63	20.56

	25RB (0)	790.5 (23305)	22.54	21.73	20.57
		795.5 (23355)	22.52	21.58	20.61
		793 (23330)	22.60	21.48	20.63
		790.5 (23305)	22.74	21.57	20.56
10MHz	1RB-High (49)	793 (23330)	23.66	22.74	21.72
	1RB-Middle (24)	793 (23330)	23.70	22.68	21.69
	1RB-Low (0)	793 (23330)	23.68	22.99	21.89
	25RB-High (25)	793 (23330)	22.53	21.52	20.52
	25RB-Middle (12)	793 (23330)	22.57	21.53	20.55
	25RB-Low (0)	793 (23330)	22.53	21.60	20.59
	50RB (0)	793 (23330)	22.50	21.52	20.54

LTE B30 ANT0 DSI1/4/7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	23.43	22.79	21.57
		2310 (27710)	23.35	22.71	21.75
		2307.5 (27685)	23.46	22.48	21.75
	1RB-Middle (12)	2312.5 (27735)	23.48	22.57	21.67
		2310 (27710)	23.39	22.57	21.69
		2307.5 (27685)	23.42	22.73	21.55
	1RB-Low (0)	2312.5 (27735)	23.46	22.52	21.64
		2310 (27710)	23.50	22.51	21.69
		2307.5 (27685)	23.37	22.59	21.49
	12RB-High (13)	2312.5 (27735)	22.45	21.42	20.48
		2310 (27710)	22.43	21.42	20.49
		2307.5 (27685)	22.40	21.44	20.48
	12RB-Middle (6)	2312.5 (27735)	22.44	21.44	20.49
		2310 (27710)	22.42	21.42	20.47
		2307.5 (27685)	22.37	21.44	20.46
	12RB-Low (0)	2312.5 (27735)	22.47	21.48	20.51
		2310 (27710)	22.46	21.47	20.49
		2307.5 (27685)	22.40	21.46	20.48
	25RB (0)	2312.5 (27735)	22.44	21.45	20.44
		2310 (27710)	22.46	21.46	20.44
		2307.5 (27685)	22.43	21.48	20.42
10MHz	1RB-High (49)	2310 (27710)	23.41	22.63	21.63
	1RB-Middle (24)	2310 (27710)	23.48	22.57	21.58
	1RB-Low (0)	2310 (27710)	23.37	22.61	21.59
	25RB-High (25)	2310 (27710)	22.43	21.46	20.42

	25RB-Middle (12)	2310 (27710)	22.44	21.47	20.40
	25RB-Low (0)	2310 (27710)	22.43	21.47	20.41
	50RB (0)	2310 (27710)	22.48	21.46	20.42

LTE B30 ANT0 DSI2/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	21.65	20.92	19.84
		2310 (27710)	21.53	20.77	19.77
		2307.5 (27685)	21.61	20.75	19.82
	1RB-Middle (12)	2312.5 (27735)	21.47	20.80	19.87
		2310 (27710)	21.65	20.82	19.64
		2307.5 (27685)	21.58	20.85	19.83
	1RB-Low (0)	2312.5 (27735)	21.68	20.97	19.86
		2310 (27710)	21.72	20.95	19.83
		2307.5 (27685)	21.72	20.83	19.91
	12RB-High (13)	2312.5 (27735)	20.57	19.61	18.77
		2310 (27710)	20.63	19.58	18.78
		2307.5 (27685)	20.61	19.66	18.62
	12RB-Middle (6)	2312.5 (27735)	20.57	19.63	18.59
		2310 (27710)	20.50	19.55	18.65
		2307.5 (27685)	20.55	19.52	18.62
	12RB-Low (0)	2312.5 (27735)	20.73	19.57	18.66
		2310 (27710)	20.57	19.63	18.76
		2307.5 (27685)	20.74	19.56	18.76
	25RB (0)	2312.5 (27735)	20.73	19.66	18.73
		2310 (27710)	20.61	19.71	18.69
		2307.5 (27685)	20.57	19.61	18.61
10MHz	1RB-High (49)	2310 (27710)	21.67	20.93	19.75
	1RB-Middle (24)	2310 (27710)	21.81	20.98	19.73
	1RB-Low (0)	2310 (27710)	21.79	20.83	19.75
	25RB-High (25)	2310 (27710)	20.58	19.60	18.67
	25RB-Middle (12)	2310 (27710)	20.61	19.68	18.67
	25RB-Low (0)	2310 (27710)	20.63	19.57	18.71
	50RB (0)	2310 (27710)	20.66	19.55	18.68

LTE B30 ANT0 DSI3/6/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	21.98	21.37	20.29
		2310 (27710)	21.96	21.21	20.17

	1RB-Middle (12)	2307.5 (27685)	22.13	21.09	20.23	
		2312.5 (27735)	21.91	21.25	20.36	
		2310 (27710)	22.07	21.27	20.01	
		2307.5 (27685)	21.95	21.17	20.19	
	1RB-Low (0)	2312.5 (27735)	22.18	21.42	20.30	
		2310 (27710)	22.23	21.46	20.17	
		2307.5 (27685)	22.22	21.15	20.32	
	12RB-High (13)	2312.5 (27735)	20.99	20.05	19.11	
		2310 (27710)	21.02	19.88	19.27	
		2307.5 (27685)	21.07	19.98	19.13	
	12RB-Middle (6)	2312.5 (27735)	20.93	20.13	19.11	
		2310 (27710)	21.00	19.98	18.96	
		2307.5 (27685)	20.85	19.90	18.97	
	12RB-Low (0)	2312.5 (27735)	21.16	20.04	19.10	
		2310 (27710)	21.07	19.96	19.22	
		2307.5 (27685)	21.15	19.89	19.25	
	25RB (0)	2312.5 (27735)	21.21	20.05	19.23	
		2310 (27710)	20.99	20.07	19.17	
		2307.5 (27685)	21.03	19.95	18.91	
	10MHz	1RB-High (49)	2310 (27710)	22.11	21.38	20.26
1RB-Middle (24)		2310 (27710)	22.21	21.38	20.25	
1RB-Low (0)		2310 (27710)	22.17	21.31	20.15	
25RB-High (25)		2310 (27710)	21.02	20.06	19.01	
25RB-Middle (12)		2310 (27710)	21.11	20.01	19.01	
25RB-Low (0)		2310 (27710)	21.07	20.05	19.08	
50RB (0)		2310 (27710)	21.00	19.96	19.20	

LTE B30 ANT0 DSI8

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	19.21	18.55	17.37
		2310 (27710)	19.24	18.56	17.33
		2307.5 (27685)	19.20	18.48	17.41
	1RB-Middle (12)	2312.5 (27735)	19.22	18.46	17.40
		2310 (27710)	19.14	18.57	17.49
		2307.5 (27685)	19.17	18.46	17.31
	1RB-Low (0)	2312.5 (27735)	19.22	18.49	17.40
		2310 (27710)	19.20	18.47	17.30
		2307.5 (27685)	19.19	18.53	17.40
	12RB-High (13)	2312.5 (27735)	18.25	17.24	16.28
		2310 (27710)	18.23	17.19	16.27

	12RB-Middle (6)	2307.5 (27685)	18.17	17.19	16.22
		2312.5 (27735)	18.24	17.18	16.20
		2310 (27710)	18.21	17.20	16.27
	12RB-Low (0)	2307.5 (27685)	18.18	17.17	16.22
		2312.5 (27735)	18.25	17.22	16.29
		2310 (27710)	18.19	17.23	16.30
	25RB (0)	2307.5 (27685)	18.19	17.17	16.24
		2312.5 (27735)	18.27	17.23	16.25
		2310 (27710)	18.26	17.23	16.23
		2307.5 (27685)	18.22	17.24	16.19
10MHz	1RB-High (49)	2310 (27710)	19.27	18.52	17.43
	1RB-Middle (24)	2310 (27710)	19.29	18.52	17.41
	1RB-Low (0)	2310 (27710)	19.27	18.55	17.48
	25RB-High (25)	2310 (27710)	18.24	17.22	16.24
	25RB-Middle (12)	2310 (27710)	18.25	17.21	16.25
	25RB-Low (0)	2310 (27710)	18.23	17.20	16.21
	50RB (0)	2310 (27710)	18.25	17.23	16.23

LTE B30 ANT4 DSI1/4

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	14.65	14.00	12.76
		2310 (27710)	14.58	13.92	12.70
		2307.5 (27685)	14.68	13.97	12.86
	1RB-Middle (12)	2312.5 (27735)	14.64	13.89	12.85
		2310 (27710)	14.72	13.95	12.86
		2307.5 (27685)	14.74	14.02	13.04
	1RB-Low (0)	2312.5 (27735)	14.71	14.03	12.87
		2310 (27710)	14.68	14.06	12.84
		2307.5 (27685)	14.65	13.97	12.79
	12RB-High (13)	2312.5 (27735)	13.68	12.71	11.77
		2310 (27710)	13.66	12.67	11.75
		2307.5 (27685)	13.68	12.67	11.73
	12RB-Middle (6)	2312.5 (27735)	13.66	12.64	11.80
		2310 (27710)	13.61	12.66	11.73
		2307.5 (27685)	13.64	12.60	11.69
	12RB-Low (0)	2312.5 (27735)	13.69	12.68	11.75
		2310 (27710)	13.67	12.67	11.80
		2307.5 (27685)	13.65	12.66	11.74
	25RB (0)	2312.5 (27735)	13.69	12.70	11.74
		2310 (27710)	13.69	12.69	11.72

		2307.5 (27685)	13.66	12.64	11.69
10MHz	1RB-High (49)	2310 (27710)	14.71	13.99	12.81
	1RB-Middle (24)	2310 (27710)	14.76	14.02	12.90
	1RB-Low (0)	2310 (27710)	14.75	14.15	12.99
	25RB-High (25)	2310 (27710)	13.73	12.71	11.73
	25RB-Middle (12)	2310 (27710)	13.79	12.69	11.71
	25RB-Low (0)	2310 (27710)	13.71	12.72	11.77
	50RB (0)	2310 (27710)	13.69	12.70	11.74

LTE B30 ANT4 DS12/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	17.24	16.50	15.48
		2310 (27710)	17.25	16.39	15.39
		2307.5 (27685)	17.34	16.61	15.50
	1RB-Middle (12)	2312.5 (27735)	17.25	16.41	15.45
		2310 (27710)	17.40	16.59	15.50
		2307.5 (27685)	17.36	16.61	15.48
	1RB-Low (0)	2312.5 (27735)	17.37	16.60	15.49
		2310 (27710)	17.36	16.61	15.52
		2307.5 (27685)	17.26	16.61	15.56
	12RB-High (13)	2312.5 (27735)	16.32	15.29	14.37
		2310 (27710)	16.30	15.29	14.34
		2307.5 (27685)	16.31	15.33	14.31
	12RB-Middle (6)	2312.5 (27735)	16.29	15.27	14.32
		2310 (27710)	16.31	15.31	14.33
		2307.5 (27685)	16.26	15.29	14.29
	12RB-Low (0)	2312.5 (27735)	16.31	15.27	14.35
		2310 (27710)	16.35	15.34	14.36
		2307.5 (27685)	16.30	15.28	14.28
	25RB (0)	2312.5 (27735)	16.35	15.33	14.36
		2310 (27710)	16.34	15.33	14.33
		2307.5 (27685)	16.34	15.33	14.28
10MHz	1RB-High (49)	2310 (27710)	17.36	16.49	15.49
	1RB-Middle (24)	2310 (27710)	17.46	16.67	15.45
	1RB-Low (0)	2310 (27710)	17.40	16.62	15.61
	25RB-High (25)	2310 (27710)	16.34	15.30	14.33
	25RB-Middle (12)	2310 (27710)	16.35	15.31	14.33
	25RB-Low (0)	2310 (27710)	16.34	15.32	14.36
	50RB (0)	2310 (27710)	16.34	15.32	14.33

LTE B30 ANT4 DSI3/6/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	20.49	19.86	18.69
		2310 (27710)	20.48	19.59	18.62
		2307.5 (27685)	20.37	19.82	18.74
	1RB-Middle (12)	2312.5 (27735)	20.34	19.72	18.67
		2310 (27710)	20.57	19.73	18.71
		2307.5 (27685)	20.60	19.70	18.59
	1RB-Low (0)	2312.5 (27735)	20.46	19.71	18.79
		2310 (27710)	20.56	19.83	18.62
		2307.5 (27685)	20.67	19.72	18.51
	12RB-High (13)	2312.5 (27735)	19.48	18.48	17.49
		2310 (27710)	19.51	18.51	17.53
		2307.5 (27685)	19.56	18.46	17.38
	12RB-Middle (6)	2312.5 (27735)	19.50	18.40	17.44
		2310 (27710)	19.56	18.54	17.50
		2307.5 (27685)	19.47	18.49	17.60
	12RB-Low (0)	2312.5 (27735)	19.51	18.57	17.56
		2310 (27710)	19.60	18.57	17.48
		2307.5 (27685)	19.56	18.57	17.49
	25RB (0)	2312.5 (27735)	19.60	18.56	17.52
		2310 (27710)	19.50	18.52	17.56
		2307.5 (27685)	19.42	18.48	17.45
10MHz	1RB-High (49)	2310 (27710)	20.28	19.62	18.71
	1RB-Middle (24)	2310 (27710)	20.57	19.69	18.68
	1RB-Low (0)	2310 (27710)	20.55	19.73	18.70
	25RB-High (25)	2310 (27710)	19.47	18.43	17.54
	25RB-Middle (12)	2310 (27710)	19.56	18.57	17.53
	25RB-Low (0)	2310 (27710)	19.52	18.45	17.57
	50RB (0)	2310 (27710)	19.43	18.49	17.53

LTE B30 ANT4 DSI7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	13.07	12.47	11.42
		2310 (27710)	13.03	12.54	11.36
		2307.5 (27685)	13.12	12.38	11.31
	1RB-Middle (12)	2312.5 (27735)	13.07	12.35	11.31
		2310 (27710)	13.31	12.44	11.37

	1RB-Low (0)	2307.5 (27685)	13.16	12.44	11.30
		2312.5 (27735)	13.13	12.46	11.31
		2310 (27710)	13.15	12.37	11.27
		2307.5 (27685)	13.11	12.47	11.39
	12RB-High (13)	2312.5 (27735)	12.14	11.18	10.19
		2310 (27710)	12.17	11.19	10.21
		2307.5 (27685)	12.19	11.14	10.19
	12RB-Middle (6)	2312.5 (27735)	12.19	11.18	10.22
		2310 (27710)	12.21	11.19	10.24
		2307.5 (27685)	12.12	11.15	10.16
	12RB-Low (0)	2312.5 (27735)	12.18	11.24	10.25
		2310 (27710)	12.22	11.25	10.24
		2307.5 (27685)	12.20	11.23	10.22
	25RB (0)	2312.5 (27735)	12.17	11.21	10.22
		2310 (27710)	12.22	11.21	10.18
		2307.5 (27685)	12.20	11.17	10.16
10MHz	1RB-High (49)	2310 (27710)	13.10	12.45	11.43
	1RB-Middle (24)	2310 (27710)	13.19	12.44	11.42
	1RB-Low (0)	2310 (27710)	13.18	12.53	11.37
	25RB-High (25)	2310 (27710)	12.19	11.20	10.20
	25RB-Middle (12)	2310 (27710)	12.22	11.19	10.17
	25RB-Low (0)	2310 (27710)	12.20	11.22	10.21
	50RB (0)	2310 (27710)	12.22	11.18	10.17

LTE B30 ANT4 DS18

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2312.5 (27735)	15.14	14.47	13.25
		2310 (27710)	15.21	14.38	13.33
		2307.5 (27685)	15.19	14.56	13.30
	1RB-Middle (12)	2312.5 (27735)	15.29	14.39	13.44
		2310 (27710)	15.22	14.56	13.46
		2307.5 (27685)	15.26	14.53	13.39
	1RB-Low (0)	2312.5 (27735)	15.22	14.55	13.34
		2310 (27710)	15.19	14.59	13.44
		2307.5 (27685)	15.17	14.48	13.35
	12RB-High (13)	2312.5 (27735)	14.18	13.19	12.27
		2310 (27710)	14.14	13.16	12.28
		2307.5 (27685)	14.15	13.20	12.31
	12RB-Middle (6)	2312.5 (27735)	14.13	13.17	12.25
		2310 (27710)	14.18	13.20	12.29

	12RB-Low (0)	2307.5 (27685)	14.13	13.13	12.23
		2312.5 (27735)	14.15	13.18	12.30
		2310 (27710)	14.18	13.26	12.29
		2307.5 (27685)	14.14	13.18	12.28
	25RB (0)	2312.5 (27735)	14.20	13.19	12.25
		2310 (27710)	14.23	13.18	12.24
		2307.5 (27685)	14.20	13.17	12.25
10MHz	1RB-High (49)	2310 (27710)	15.15	14.53	13.39
	1RB-Middle (24)	2310 (27710)	15.25	14.47	13.40
	1RB-Low (0)	2310 (27710)	15.20	14.56	13.44
	25RB-High (25)	2310 (27710)	14.15	13.18	12.22
	25RB-Middle (12)	2310 (27710)	14.19	13.16	12.21
	25RB-Low (0)	2310 (27710)	14.18	13.16	12.24
	50RB (0)	2310 (27710)	14.16	13.16	12.21

LTE B66 ANT0 DSI1/3/4/6/7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	23.24	22.39	21.33
		1745 (132322)	23.26	22.51	21.53
		1710.7 (131979)	23.18	22.47	21.37
	1RB-Middle (3)	1779.3 (132665)	23.08	22.34	21.36
		1745 (132322)	23.32	22.40	21.52
		1710.7 (131979)	23.25	22.47	21.46
	1RB-Low (0)	1779.3 (132665)	23.10	22.43	21.40
		1745 (132322)	23.38	22.51	21.55
		1710.7 (131979)	23.38	22.53	21.54
	3RB-High (3)	1779.3 (132665)	23.16	22.19	21.30
		1745 (132322)	23.23	22.16	21.35
		1710.7 (131979)	23.24	22.20	21.34
	3RB-Middle (1)	1779.3 (132665)	23.16	22.14	21.23
		1745 (132322)	23.31	22.18	21.33
		1710.7 (131979)	23.25	22.20	21.36
	3RB-Low (0)	1779.3 (132665)	23.16	22.15	21.34
		1745 (132322)	23.27	22.23	21.34
		1710.7 (131979)	23.25	22.15	21.37
	6RB (0)	1779.3 (132665)	22.12	21.22	20.16
		1745 (132322)	22.26	21.34	20.26
		1710.7 (131979)	22.25	21.36	20.25
3MHz	1RB-High (14)	1778.5 (132657)	23.20	22.35	21.22

		1745 (132322)	23.28	22.53	21.46
		1711.5 (131987)	23.28	22.57	21.48
	1RB-Middle (7)	1778.5 (132657)	23.18	22.42	21.34
		1745 (132322)	23.32	22.56	21.62
		1711.5 (131987)	23.35	22.49	21.44
	1RB-Low (0)	1778.5 (132657)	23.25	22.31	21.35
		1745 (132322)	23.35	22.64	21.45
		1711.5 (131987)	23.25	22.48	21.39
	8RB-High (7)	1778.5 (132657)	22.16	21.24	20.24
		1745 (132322)	22.29	21.31	20.32
		1711.5 (131987)	22.33	21.34	20.34
	8RB-Middle (4)	1778.5 (132657)	22.16	21.20	20.20
		1745 (132322)	22.25	21.28	20.36
		1711.5 (131987)	22.26	21.29	20.28
	8RB-Low (0)	1778.5 (132657)	22.23	21.23	20.21
		1745 (132322)	22.31	21.39	20.42
		1711.5 (131987)	22.29	21.34	20.30
	15RB (0)	1778.5 (132657)	22.18	21.16	20.16
		1745 (132322)	22.25	21.26	20.33
		1711.5 (131987)	22.28	21.27	20.27
5MHz	1RB-High (24)	1777.5 (132647)	23.28	22.36	21.39
		1745 (132322)	23.34	22.48	21.63
		1712.5 (131997)	23.30	22.46	21.45
	1RB-Middle (12)	1777.5 (132647)	23.26	22.45	21.34
		1745 (132322)	23.38	22.59	21.51
		1712.5 (131997)	23.34	22.42	21.49
	1RB-Low (0)	1777.5 (132647)	23.28	22.39	21.38
		1745 (132322)	23.42	22.53	21.49
		1712.5 (131997)	23.21	22.46	21.45
	12RB-High (13)	1777.5 (132647)	22.23	21.19	20.21
		1745 (132322)	22.23	21.29	20.35
		1712.5 (131997)	22.30	21.30	20.36
	12RB-Middle (6)	1777.5 (132647)	22.23	21.17	20.22
		1745 (132322)	22.21	21.32	20.35
		1712.5 (131997)	22.30	21.31	20.37
	12RB-Low (0)	1777.5 (132647)	22.24	21.18	20.24
		1745 (132322)	22.27	21.33	20.35
		1712.5 (131997)	22.27	21.36	20.37
	25RB (0)	1777.5 (132647)	22.30	21.18	20.15
		1745 (132322)	22.38	21.29	20.30
		1712.5 (131997)	22.30	21.33	20.32

10MHz	1RB-High (49)	1775 (132622)	23.28	22.46	21.44
		1745 (132322)	23.46	22.68	21.56
		1715 (132022)	23.44	22.69	21.54
	1RB-Middle (24)	1775 (132622)	23.29	22.48	21.41
		1745 (132322)	23.34	22.59	21.53
		1715 (132022)	23.44	22.56	21.57
	1RB-Low (0)	1775 (132622)	23.27	22.65	21.38
		1745 (132322)	23.57	22.76	21.61
		1715 (132022)	23.37	22.58	21.54
	25RB-High (25)	1775 (132622)	22.27	21.26	20.26
		1745 (132322)	22.37	21.38	20.37
		1715 (132022)	22.40	21.41	20.40
	25RB-Middle (12)	1775 (132622)	22.27	21.23	20.24
		1745 (132322)	22.39	21.37	20.36
		1715 (132022)	22.40	21.38	20.40
	25RB-Low (0)	1775 (132622)	22.30	21.29	20.29
		1745 (132322)	22.42	21.42	20.40
		1715 (132022)	22.42	21.36	20.39
	50RB (0)	1775 (132622)	22.26	21.29	20.26
		1745 (132322)	22.37	21.42	20.37
		1715 (132022)	22.43	21.39	20.39
15MHz	1RB-High (74)	1772.5 (132597)	23.29	22.43	21.44
		1745 (132322)	23.39	22.65	21.57
		1717.5 (132047)	23.48	22.64	21.58
	1RB-Middle (37)	1772.5 (132597)	23.31	22.55	21.43
		1745 (132322)	23.53	22.60	21.54
		1717.5 (132047)	23.39	22.56	21.57
	1RB-Low (0)	1772.5 (132597)	23.38	22.53	21.50
		1745 (132322)	23.39	22.66	21.63
		1717.5 (132047)	23.33	22.70	21.57
	36RB-High (38)	1772.5 (132597)	22.25	21.22	20.30
		1745 (132322)	22.36	21.32	20.38
		1717.5 (132047)	22.40	21.41	20.42
	36RB-Middle (19)	1772.5 (132597)	22.30	21.28	20.28
		1745 (132322)	22.37	21.39	20.40
		1717.5 (132047)	22.38	21.37	20.41
	36RB-Low (0)	1772.5 (132597)	22.31	21.27	20.32
		1745 (132322)	22.40	21.40	20.44
		1717.5 (132047)	22.40	21.42	20.41
	75RB (0)	1772.5 (132597)	22.33	21.32	20.32

		1745 (132322)	22.44	21.41	20.38
		1717.5 (132047)	22.42	21.44	20.40
20MHz	1RB-High (99)	1770 (132572)	23.29	22.53	21.38
		1745 (132322)	23.32	22.64	21.53
		1720 (132072)	23.48	22.60	21.49
	1RB-Middle (50)	1770 (132572)	23.38	22.60	21.47
		1745 (132322)	23.56	22.60	21.66
		1720 (132072)	23.48	22.48	21.49
	1RB-Low (0)	1770 (132572)	23.41	22.63	21.49
		1745 (132322)	23.51	22.76	21.63
		1720 (132072)	23.37	22.73	21.55
	50RB-High (50)	1770 (132572)	22.30	21.33	20.33
		1745 (132322)	22.38	21.41	20.42
		1720 (132072)	22.43	21.43	20.44
	50RB-Middle (25)	1770 (132572)	22.31	21.34	20.30
		1745 (132322)	22.47	21.41	20.44
		1720 (132072)	22.44	21.40	20.42
	50RB-Low (0)	1770 (132572)	22.35	21.33	20.38
		1745 (132322)	22.46	21.45	20.47
		1720 (132072)	22.45	21.41	20.43
	100RB (0)	1770 (132572)	22.32	21.28	20.34
		1745 (132322)	22.45	21.41	20.43
		1720 (132072)	22.43	21.42	20.41

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BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	18.22	17.42	16.42
		1745 (132322)	18.29	17.66	16.42
		1710.7 (131979)	18.32	17.48	16.46
	1RB-Middle (3)	1779.3 (132665)	18.23	17.46	16.40
		1745 (132322)	18.32	17.49	16.46
		1710.7 (131979)	18.32	17.50	16.42
	1RB-Low (0)	1779.3 (132665)	18.24	17.38	16.55
		1745 (132322)	18.35	17.65	16.59
		1710.7 (131979)	18.30	17.55	16.58
	3RB-High (3)	1779.3 (132665)	18.20	17.16	16.39
		1745 (132322)	18.27	17.19	16.33
		1710.7 (131979)	18.22	17.20	16.33
	3RB-Middle (1)	1779.3 (132665)	18.20	17.15	16.36
		1745 (132322)	18.27	17.20	16.35

	3RB-Low (0)	1710.7 (131979)	18.21	17.21	16.37
		1779.3 (132665)	18.23	17.16	16.34
		1745 (132322)	18.29	17.18	16.42
		1710.7 (131979)	18.23	17.20	16.33
	6RB (0)	1779.3 (132665)	17.17	16.23	15.23
		1745 (132322)	17.24	16.33	15.30
		1710.7 (131979)	17.21	16.28	15.25
3MHz	1RB-High (14)	1778.5 (132657)	18.29	17.45	16.41
		1745 (132322)	18.34	17.53	16.38
		1711.5 (131987)	18.26	17.38	16.49
	1RB-Middle (7)	1778.5 (132657)	18.24	17.30	16.33
		1745 (132322)	18.35	17.53	16.67
		1711.5 (131987)	18.31	17.49	16.53
	1RB-Low (0)	1778.5 (132657)	18.27	17.42	16.36
		1745 (132322)	18.36	17.58	16.47
		1711.5 (131987)	18.28	17.46	16.43
	8RB-High (7)	1778.5 (132657)	17.26	16.28	15.27
		1745 (132322)	17.31	16.33	15.34
		1711.5 (131987)	17.28	16.31	15.34
	8RB-Middle (4)	1778.5 (132657)	17.23	16.30	15.31
		1745 (132322)	17.29	16.36	15.35
		1711.5 (131987)	17.27	16.32	15.35
	8RB-Low (0)	1778.5 (132657)	17.28	16.33	15.32
		1745 (132322)	17.27	16.35	15.37
		1711.5 (131987)	17.27	16.30	15.34
	15RB (0)	1778.5 (132657)	17.25	16.29	15.24
		1745 (132322)	17.27	16.34	15.27
		1711.5 (131987)	17.23	16.25	15.24
5MHz	1RB-High (24)	1777.5 (132647)	18.29	17.56	16.45
		1745 (132322)	18.31	17.56	16.49
		1712.5 (131997)	18.32	17.52	16.49
	1RB-Middle (12)	1777.5 (132647)	18.33	17.50	16.36
		1745 (132322)	18.32	17.71	16.44
		1712.5 (131997)	18.27	17.61	16.49
	1RB-Low (0)	1777.5 (132647)	18.33	17.56	16.51
		1745 (132322)	18.34	17.70	16.49
		1712.5 (131997)	18.32	17.53	16.53
	12RB-High (13)	1777.5 (132647)	17.27	16.29	15.35
		1745 (132322)	17.35	16.32	15.45
		1712.5 (131997)	17.31	16.30	15.33

	12RB-Middle (6)	1777.5 (132647)	17.27	16.28	15.33
		1745 (132322)	17.38	16.35	15.40
		1712.5 (131997)	17.31	16.29	15.35
	12RB-Low (0)	1777.5 (132647)	17.31	16.31	15.35
		1745 (132322)	17.36	16.36	15.43
		1712.5 (131997)	17.35	16.35	15.34
	25RB (0)	1777.5 (132647)	17.33	16.30	15.33
		1745 (132322)	17.36	16.35	15.35
		1712.5 (131997)	17.36	16.33	15.34
10MHz	1RB-High (49)	1775 (132622)	18.34	17.66	16.53
		1745 (132322)	18.43	17.63	16.56
		1715 (132022)	18.34	17.61	16.39
	1RB-Middle (24)	1775 (132622)	18.29	17.49	16.53
		1745 (132322)	18.37	17.61	16.60
		1715 (132022)	18.32	17.44	16.51
	1RB-Low (0)	1775 (132622)	18.36	17.63	16.58
		1745 (132322)	18.41	17.61	16.61
		1715 (132022)	18.33	17.71	16.54
	25RB-High (25)	1775 (132622)	17.34	16.30	15.29
		1745 (132322)	17.31	16.34	15.37
		1715 (132022)	17.33	16.30	15.30
	25RB-Middle (12)	1775 (132622)	17.32	16.32	15.33
		1745 (132322)	17.38	16.36	15.36
		1715 (132022)	17.33	16.27	15.32
	25RB-Low (0)	1775 (132622)	17.36	16.35	15.34
		1745 (132322)	17.36	16.37	15.36
		1715 (132022)	17.31	16.33	15.36
	50RB (0)	1775 (132622)	17.32	16.34	15.28
		1745 (132322)	17.36	16.33	15.36
		1715 (132022)	17.32	16.34	15.30
15MHz	1RB-High (74)	1772.5 (132597)	18.28	17.53	16.44
		1745 (132322)	18.34	17.71	16.54
		1717.5 (132047)	18.30	17.61	16.49
	1RB-Middle (37)	1772.5 (132597)	18.35	17.63	16.49
		1745 (132322)	18.43	17.65	16.56
		1717.5 (132047)	18.33	17.64	16.49
	1RB-Low (0)	1772.5 (132597)	18.35	17.74	16.45
		1745 (132322)	18.38	17.63	16.65
		1717.5 (132047)	18.33	17.63	16.50
	36RB-High (38)	1772.5 (132597)	17.31	16.34	15.35

		1745 (132322)	17.33	16.34	15.37
		1717.5 (132047)	17.31	16.33	15.34
		1772.5 (132597)	17.35	16.32	15.39
	36RB-Middle (19)	1745 (132322)	17.35	16.38	15.42
		1717.5 (132047)	17.31	16.29	15.35
		1772.5 (132597)	17.32	16.35	15.35
	36RB-Low (0)	1745 (132322)	17.38	16.36	15.39
		1717.5 (132047)	17.31	16.34	15.36
		1772.5 (132597)	17.38	16.39	15.34
	75RB (0)	1745 (132322)	17.40	16.36	15.37
		1717.5 (132047)	17.33	16.36	15.34
20MHz	1RB-High (99)	1770 (132572)	18.31	17.64	16.51
		1745 (132322)	18.39	17.60	16.59
		1720 (132072)	18.33	17.62	16.49
	1RB-Middle (50)	1770 (132572)	18.37	17.71	16.54
		1745 (132322)	18.44	17.56	16.59
		1720 (132072)	18.32	17.49	16.52
	1RB-Low (0)	1770 (132572)	18.36	17.73	16.54
		1745 (132322)	18.42	17.75	16.64
		1720 (132072)	18.37	17.49	16.55
	50RB-High (50)	1770 (132572)	17.38	16.37	15.36
		1745 (132322)	17.40	16.38	15.37
		1720 (132072)	17.37	16.34	15.33
	50RB-Middle (25)	1770 (132572)	17.37	16.39	15.38
		1745 (132322)	17.43	16.41	15.43
		1720 (132072)	17.38	16.33	15.38
	50RB-Low (0)	1770 (132572)	17.40	16.40	15.41
		1745 (132322)	17.40	16.39	15.41
		1720 (132072)	17.37	16.35	15.37
	100RB (0)	1770 (132572)	17.34	16.35	15.34
		1745 (132322)	17.38	16.35	15.36
		1720 (132072)	17.37	16.33	15.34

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BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	16.56	15.86	14.75
		1745 (132322)	16.66	15.85	14.83
		1710.7 (131979)	16.60	15.84	14.83
	1RB-Middle (3)	1779.3 (132665)	16.61	15.85	14.65
		1745 (132322)	16.65	15.80	14.79

	1RB-Low (0)	1710.7 (131979)	16.66	15.78	14.79
		1779.3 (132665)	16.59	15.85	14.69
		1745 (132322)	16.66	15.79	14.92
		1710.7 (131979)	16.60	15.86	14.83
	3RB-High (3)	1779.3 (132665)	16.50	15.52	14.65
		1745 (132322)	16.57	15.45	14.74
		1710.7 (131979)	16.54	15.59	14.71
	3RB-Middle (1)	1779.3 (132665)	16.49	15.60	14.69
		1745 (132322)	16.60	15.58	14.73
		1710.7 (131979)	16.52	15.53	14.66
	3RB-Low (0)	1779.3 (132665)	16.52	15.54	14.71
		1745 (132322)	16.57	15.61	14.75
		1710.7 (131979)	16.53	15.43	14.68
	6RB (0)	1779.3 (132665)	15.54	14.64	13.49
		1745 (132322)	15.51	14.65	13.62
		1710.7 (131979)	15.57	14.66	13.53
3MHz	1RB-High (14)	1778.5 (132657)	16.57	15.80	14.74
		1745 (132322)	16.66	15.89	14.77
		1711.5 (131987)	16.55	15.76	14.79
	1RB-Middle (7)	1778.5 (132657)	16.58	15.73	14.78
		1745 (132322)	16.60	15.91	14.94
		1711.5 (131987)	16.52	15.81	14.78
	1RB-Low (0)	1778.5 (132657)	16.56	15.78	14.82
		1745 (132322)	16.62	15.88	14.90
		1711.5 (131987)	16.56	15.86	14.64
	8RB-High (7)	1778.5 (132657)	15.60	14.58	13.59
		1745 (132322)	15.60	14.67	13.69
		1711.5 (131987)	15.59	14.67	13.63
	8RB-Middle (4)	1778.5 (132657)	15.56	14.64	13.61
		1745 (132322)	15.59	14.67	13.69
		1711.5 (131987)	15.58	14.65	13.65
	8RB-Low (0)	1778.5 (132657)	15.59	14.63	13.67
		1745 (132322)	15.61	14.69	13.70
		1711.5 (131987)	15.63	14.68	13.69
	15RB (0)	1778.5 (132657)	15.55	14.56	13.53
		1745 (132322)	15.63	14.64	13.61
		1711.5 (131987)	15.61	14.63	13.61
5MHz	1RB-High (24)	1777.5 (132647)	16.63	15.84	14.76
		1745 (132322)	16.66	15.98	14.84
		1712.5 (131997)	16.56	15.96	14.74

	1RB-Middle (12)	1777.5 (132647)	16.66	15.83	14.72
		1745 (132322)	16.77	16.03	14.90
		1712.5 (131997)	16.47	15.87	14.70
	1RB-Low (0)	1777.5 (132647)	16.66	15.81	14.78
		1745 (132322)	16.68	15.91	14.86
		1712.5 (131997)	16.65	15.98	14.85
	12RB-High (13)	1777.5 (132647)	15.60	14.65	13.67
		1745 (132322)	15.69	14.70	13.70
		1712.5 (131997)	15.64	14.66	13.67
	12RB-Middle (6)	1777.5 (132647)	15.61	14.62	13.65
		1745 (132322)	15.68	14.67	13.72
		1712.5 (131997)	15.65	14.60	13.70
	12RB-Low (0)	1777.5 (132647)	15.64	14.62	13.69
		1745 (132322)	15.66	14.65	13.73
		1712.5 (131997)	15.66	14.67	13.69
	25RB (0)	1777.5 (132647)	15.64	14.62	13.63
		1745 (132322)	15.71	14.68	13.71
		1712.5 (131997)	15.67	14.64	13.68
10MHz	1RB-High (49)	1775 (132622)	16.63	15.88	14.81
		1745 (132322)	16.67	15.90	14.82
		1715 (132022)	16.63	15.90	14.80
	1RB-Middle (24)	1775 (132622)	16.59	15.83	14.78
		1745 (132322)	16.68	15.89	14.83
		1715 (132022)	16.60	15.84	14.89
	1RB-Low (0)	1775 (132622)	16.67	15.95	14.79
		1745 (132322)	16.72	15.90	14.87
		1715 (132022)	16.63	15.90	14.78
	25RB-High (25)	1775 (132622)	15.65	14.63	13.61
		1745 (132322)	15.67	14.66	13.66
		1715 (132022)	15.62	14.63	13.65
	25RB-Middle (12)	1775 (132622)	15.64	14.64	13.64
		1745 (132322)	15.67	14.69	13.69
		1715 (132022)	15.63	14.61	13.64
	25RB-Low (0)	1775 (132622)	15.66	14.66	13.65
		1745 (132322)	15.69	14.67	13.69
		1715 (132022)	15.64	14.64	13.65
	50RB (0)	1775 (132622)	15.66	14.66	13.64
		1745 (132322)	15.70	14.67	13.68
		1715 (132022)	15.61	14.61	13.66
15MHz	1RB-High (74)	1772.5 (132597)	16.65	15.96	14.75

		1745 (132322)	16.66	15.99	14.89
		1717.5 (132047)	16.62	15.86	14.80
	1RB-Middle (37)	1772.5 (132597)	16.67	15.99	14.83
		1745 (132322)	16.74	16.08	14.87
		1717.5 (132047)	16.67	15.92	14.82
	1RB-Low (0)	1772.5 (132597)	16.66	15.99	14.82
		1745 (132322)	16.73	16.10	14.95
		1717.5 (132047)	16.64	15.98	14.87
	36RB-High (38)	1772.5 (132597)	15.64	14.65	13.64
		1745 (132322)	15.68	14.67	13.72
		1717.5 (132047)	15.64	14.64	13.67
	36RB-Middle (19)	1772.5 (132597)	15.69	14.68	13.72
		1745 (132322)	15.70	14.72	13.73
		1717.5 (132047)	15.64	14.65	13.70
	36RB-Low (0)	1772.5 (132597)	15.65	14.67	13.69
		1745 (132322)	15.67	14.73	13.73
		1717.5 (132047)	15.64	14.64	13.71
	75RB (0)	1772.5 (132597)	15.71	14.68	13.69
		1745 (132322)	15.70	14.73	13.72
		1717.5 (132047)	15.64	14.66	13.66
20MHz	1RB-High (99)	1770 (132572)	16.63	15.88	14.88
		1745 (132322)	16.69	16.00	14.90
		1720 (132072)	16.64	15.87	14.86
	1RB-Middle (50)	1770 (132572)	16.70	15.97	14.90
		1745 (132322)	16.76	15.98	14.93
		1720 (132072)	16.63	15.93	14.79
	1RB-Low (0)	1770 (132572)	16.65	15.91	14.84
		1745 (132322)	16.73	15.98	15.05
		1720 (132072)	16.62	15.93	14.78
	50RB-High (50)	1770 (132572)	15.70	14.74	13.71
		1745 (132322)	15.74	14.71	13.73
		1720 (132072)	15.67	14.69	13.67
	50RB-Middle (25)	1770 (132572)	15.71	14.71	13.74
		1745 (132322)	15.75	14.75	13.74
		1720 (132072)	15.70	14.71	13.71
	50RB-Low (0)	1770 (132572)	15.72	14.73	13.74
		1745 (132322)	15.73	14.72	13.75
		1720 (132072)	15.72	14.71	13.70
	100RB (0)	1770 (132572)	15.70	14.64	13.69
		1745 (132322)	15.74	14.66	13.72
		1720 (132072)	15.69	14.70	13.67

LTE B66 ANT0 DS19

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	21.68	21.02	20.02
		1745 (132322)	21.81	21.03	20.02
		1710.7 (131979)	21.84	20.96	19.96
	1RB-Middle (3)	1779.3 (132665)	21.75	20.91	19.89
		1745 (132322)	21.82	20.99	20.02
		1710.7 (131979)	21.75	20.99	19.83
	1RB-Low (0)	1779.3 (132665)	21.75	20.90	19.96
		1745 (132322)	21.85	21.00	20.05
		1710.7 (131979)	21.82	20.96	19.93
	3RB-High (3)	1779.3 (132665)	21.67	20.58	19.86
		1745 (132322)	21.76	20.74	19.90
		1710.7 (131979)	21.77	20.67	19.83
	3RB-Middle (1)	1779.3 (132665)	21.69	20.66	19.81
		1745 (132322)	21.73	20.79	19.88
		1710.7 (131979)	21.69	20.69	19.82
	3RB-Low (0)	1779.3 (132665)	21.63	20.65	19.83
		1745 (132322)	21.71	20.78	19.83
		1710.7 (131979)	21.78	20.77	19.87
	6RB (0)	1779.3 (132665)	20.69	19.74	18.86
		1745 (132322)	20.73	19.82	18.90
		1710.7 (131979)	20.77	19.83	18.84
3MHz	1RB-High (14)	1778.5 (132657)	21.77	20.94	19.99
		1745 (132322)	21.87	21.00	20.05
		1711.5 (131987)	21.77	20.96	20.00
	1RB-Middle (7)	1778.5 (132657)	21.76	21.03	20.04
		1745 (132322)	21.92	20.95	20.01
		1711.5 (131987)	21.77	20.95	19.95
	1RB-Low (0)	1778.5 (132657)	21.81	20.96	19.89
		1745 (132322)	21.87	21.18	20.06
		1711.5 (131987)	21.90	20.99	20.02
	8RB-High (7)	1778.5 (132657)	20.74	19.77	18.89
		1745 (132322)	20.82	19.84	18.98
		1711.5 (131987)	20.82	19.86	18.97
	8RB-Middle (4)	1778.5 (132657)	20.73	19.80	18.95
		1745 (132322)	20.78	19.83	18.94
		1711.5 (131987)	20.77	19.76	18.91
	8RB-Low (0)	1778.5 (132657)	20.74	19.86	18.96

		1745 (132322)	20.84	19.86	18.96	
		1711.5 (131987)	20.81	19.88	18.94	
		15RB (0)	1778.5 (132657)	20.77	19.78	18.84
			1745 (132322)	20.78	19.75	18.92
			1711.5 (131987)	20.76	19.81	18.86
5MHz	1RB-High (24)	1777.5 (132647)	21.88	21.11	20.01	
		1745 (132322)	21.95	21.05	20.10	
		1712.5 (131997)	21.89	21.17	19.97	
	1RB-Middle (12)	1777.5 (132647)	21.86	21.04	20.01	
		1745 (132322)	21.88	20.98	20.16	
		1712.5 (131997)	21.90	21.18	19.93	
	1RB-Low (0)	1777.5 (132647)	21.82	20.98	19.94	
		1745 (132322)	21.90	21.09	20.08	
		1712.5 (131997)	21.92	21.12	20.07	
	12RB-High (13)	1777.5 (132647)	20.83	19.86	18.92	
		1745 (132322)	20.88	19.88	18.98	
		1712.5 (131997)	20.86	19.87	19.01	
	12RB-Middle (6)	1777.5 (132647)	20.80	19.84	18.95	
		1745 (132322)	20.86	19.84	18.96	
		1712.5 (131997)	20.83	19.82	18.95	
	12RB-Low (0)	1777.5 (132647)	20.86	19.83	19.00	
		1745 (132322)	20.91	19.90	19.04	
		1712.5 (131997)	20.89	19.86	18.97	
	25RB (0)	1777.5 (132647)	20.84	19.83	18.95	
		1745 (132322)	20.94	19.89	18.99	
		1712.5 (131997)	20.90	19.85	18.96	
10MHz	1RB-High (49)	1775 (132622)	22.00	21.12	20.09	
		1745 (132322)	21.97	21.21	20.03	
		1715 (132022)	21.91	21.18	20.02	
	1RB-Middle (24)	1775 (132622)	21.84	21.17	20.02	
		1745 (132322)	22.05	21.17	20.07	
		1715 (132022)	21.93	21.23	20.05	
	1RB-Low (0)	1775 (132622)	21.96	21.26	20.11	
		1745 (132322)	22.02	21.33	20.18	
		1715 (132022)	21.94	21.24	20.06	
	25RB-High (25)	1775 (132622)	20.87	19.86	18.88	
		1745 (132322)	20.94	19.93	18.96	
		1715 (132022)	20.93	19.90	18.98	
	25RB-Middle (12)	1775 (132622)	20.89	19.84	18.91	
		1745 (132322)	20.93	19.89	18.97	

	25RB-Low (0)	1715 (132022)	20.92	19.86	18.96
		1775 (132622)	20.93	19.92	18.95
		1745 (132322)	20.94	19.93	18.99
		1715 (132022)	20.96	19.91	18.96
	50RB (0)	1775 (132622)	20.88	19.89	18.91
		1745 (132322)	20.93	19.92	18.97
		1715 (132022)	20.91	19.91	18.95
15MHz	1RB-High (74)	1772.5 (132597)	21.93	21.26	20.07
		1745 (132322)	22.03	21.20	20.11
		1717.5 (132047)	22.00	21.28	20.09
	1RB-Middle (37)	1772.5 (132597)	21.99	21.18	20.12
		1745 (132322)	22.07	21.21	20.14
		1717.5 (132047)	22.00	21.17	20.01
	1RB-Low (0)	1772.5 (132597)	21.99	21.20	20.06
		1745 (132322)	22.07	21.33	20.19
		1717.5 (132047)	21.97	21.25	20.13
	36RB-High (38)	1772.5 (132597)	20.95	19.93	19.01
		1745 (132322)	20.98	19.94	19.01
		1717.5 (132047)	20.97	19.95	19.02
	36RB-Middle (19)	1772.5 (132597)	20.97	19.99	19.03
		1745 (132322)	20.97	19.93	19.05
		1717.5 (132047)	20.94	19.92	18.99
	36RB-Low (0)	1772.5 (132597)	20.98	19.99	19.02
		1745 (132322)	21.02	19.98	19.07
		1717.5 (132047)	20.98	19.96	19.01
	75RB (0)	1772.5 (132597)	20.99	19.98	19.02
		1745 (132322)	21.03	19.99	19.07
		1717.5 (132047)	21.00	19.99	19.03
20MHz	1RB-High (99)	1770 (132572)	22.13	21.41	20.15
		1745 (132322)	22.16	21.39	20.18
		1720 (132072)	22.09	21.37	20.24
	1RB-Middle (50)	1770 (132572)	22.14	21.43	20.28
		1745 (132322)	22.22	21.40	20.28
		1720 (132072)	22.16	21.25	20.23
	1RB-Low (0)	1770 (132572)	22.18	21.37	20.24
		1745 (132322)	22.21	21.39	20.26
		1720 (132072)	22.13	21.32	20.18
	50RB-High (50)	1770 (132572)	21.13	20.11	19.11
		1745 (132322)	21.16	20.10	19.11
		1720 (132072)	21.12	20.05	19.08

	50RB-Middle (25)	1770 (132572)	21.15	20.08	19.14
		1745 (132322)	21.22	20.12	19.16
		1720 (132072)	21.10	20.08	19.10
	50RB-Low (0)	1770 (132572)	21.14	20.10	19.11
		1745 (132322)	21.20	20.10	19.17
		1720 (132072)	21.12	20.07	19.10
	100RB (0)	1770 (132572)	21.13	20.03	19.10
		1745 (132322)	21.13	20.10	19.11
		1720 (132072)	21.14	20.04	19.04

LTE B66 ANT4 DSI1/4

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	19.62	18.93	17.76
		1745 (132322)	19.61	18.87	17.80
		1710.7 (131979)	19.60	18.91	17.88
	1RB-Middle (3)	1779.3 (132665)	19.60	18.78	17.67
		1745 (132322)	19.57	18.86	17.76
		1710.7 (131979)	19.67	18.91	17.69
	1RB-Low (0)	1779.3 (132665)	19.55	18.75	17.76
		1745 (132322)	19.66	18.79	17.76
		1710.7 (131979)	19.59	18.94	17.77
	3RB-High (3)	1779.3 (132665)	19.45	18.39	17.60
		1745 (132322)	19.50	18.45	17.69
		1710.7 (131979)	19.55	18.50	17.78
	3RB-Middle (1)	1779.3 (132665)	19.45	18.46	17.66
		1745 (132322)	19.50	18.47	17.63
		1710.7 (131979)	19.53	18.59	17.66
	3RB-Low (0)	1779.3 (132665)	19.49	18.54	17.64
		1745 (132322)	19.59	18.56	17.59
		1710.7 (131979)	19.54	18.42	17.64
	6RB (0)	1779.3 (132665)	18.46	17.62	16.53
		1745 (132322)	18.50	17.61	16.53
		1710.7 (131979)	18.54	17.60	16.55
3MHz	1RB-High (14)	1778.5 (132657)	19.55	18.94	17.64
		1745 (132322)	19.57	18.84	17.84
		1711.5 (131987)	19.57	18.73	17.91
	1RB-Middle (7)	1778.5 (132657)	19.49	18.77	17.76
		1745 (132322)	19.54	18.88	17.81
		1711.5 (131987)	19.57	18.58	17.73
	1RB-Low (0)	1778.5 (132657)	19.58	18.77	17.77

		1745 (132322)	19.65	18.82	17.72
		1711.5 (131987)	19.57	18.82	17.81
		1778.5 (132657)	18.54	17.60	16.61
	8RB-High (7)	1745 (132322)	18.55	17.63	16.61
		1711.5 (131987)	18.58	17.64	16.65
		1778.5 (132657)	18.56	17.57	16.53
	8RB-Middle (4)	1745 (132322)	18.59	17.62	16.61
		1711.5 (131987)	18.60	17.58	16.65
		1778.5 (132657)	18.56	17.62	16.61
	8RB-Low (0)	1745 (132322)	18.61	17.59	16.64
		1711.5 (131987)	18.66	17.69	16.66
		1778.5 (132657)	18.53	17.54	16.51
	15RB (0)	1745 (132322)	18.56	17.59	16.53
		1711.5 (131987)	18.57	17.59	16.58
5MHz	1RB-High (24)	1777.5 (132647)	19.69	18.86	17.80
		1745 (132322)	19.65	18.95	17.74
		1712.5 (131997)	19.66	18.94	17.71
	1RB-Middle (12)	1777.5 (132647)	19.62	18.80	17.76
		1745 (132322)	19.62	18.83	17.89
		1712.5 (131997)	19.62	18.94	17.79
	1RB-Low (0)	1777.5 (132647)	19.57	18.99	17.68
		1745 (132322)	19.59	18.92	17.83
		1712.5 (131997)	19.63	18.96	17.84
	12RB-High (13)	1777.5 (132647)	18.57	17.63	16.65
		1745 (132322)	18.55	17.64	16.63
		1712.5 (131997)	18.64	17.64	16.71
	12RB-Middle (6)	1777.5 (132647)	18.54	17.58	16.57
		1745 (132322)	18.59	17.61	16.64
		1712.5 (131997)	18.63	17.66	16.71
	12RB-Low (0)	1777.5 (132647)	18.58	17.60	16.60
		1745 (132322)	18.63	17.62	16.69
		1712.5 (131997)	18.64	17.66	16.68
	25RB (0)	1777.5 (132647)	18.61	17.60	16.62
		1745 (132322)	18.61	17.66	16.60
		1712.5 (131997)	18.67	17.63	16.64
10MHz	1RB-High (49)	1775 (132622)	19.63	18.97	17.70
		1745 (132322)	19.65	18.91	17.89
		1715 (132022)	19.70	18.96	17.97
	1RB-Middle (24)	1775 (132622)	19.63	18.86	17.78
		1745 (132322)	19.71	18.94	17.98

	1RB-Low (0)	1715 (132022)	19.62	18.80	17.77
		1775 (132622)	19.64	18.93	17.86
		1745 (132322)	19.78	18.94	17.83
		1715 (132022)	19.66	18.97	17.90
	25RB-High (25)	1775 (132622)	18.61	17.59	16.61
		1745 (132322)	18.61	17.63	16.60
		1715 (132022)	18.71	17.67	16.70
	25RB-Middle (12)	1775 (132622)	18.61	17.57	16.56
		1745 (132322)	18.62	17.66	16.64
		1715 (132022)	18.65	17.65	16.64
	25RB-Low (0)	1775 (132622)	18.64	17.61	16.60
		1745 (132322)	18.68	17.64	16.62
		1715 (132022)	18.70	17.66	16.67
	50RB (0)	1775 (132622)	18.62	17.62	16.58
		1745 (132322)	18.68	17.63	16.65
		1715 (132022)	18.69	17.69	16.67
15MHz	1RB-High (74)	1772.5 (132597)	19.63	18.90	17.83
		1745 (132322)	19.67	19.00	17.88
		1717.5 (132047)	19.65	18.80	17.73
	1RB-Middle (37)	1772.5 (132597)	19.63	18.92	17.76
		1745 (132322)	19.67	19.00	17.80
		1717.5 (132047)	19.69	18.97	17.89
	1RB-Low (0)	1772.5 (132597)	19.67	18.90	17.78
		1745 (132322)	19.68	18.93	17.91
		1717.5 (132047)	19.66	18.98	17.91
	36RB-High (38)	1772.5 (132597)	18.58	17.61	16.65
		1745 (132322)	18.64	17.63	16.68
		1717.5 (132047)	18.70	17.73	16.72
	36RB-Middle (19)	1772.5 (132597)	18.62	17.59	16.65
		1745 (132322)	18.63	17.68	16.67
		1717.5 (132047)	18.72	17.68	16.73
	36RB-Low (0)	1772.5 (132597)	18.62	17.63	16.66
		1745 (132322)	18.68	17.68	16.70
		1717.5 (132047)	18.66	17.69	16.71
	75RB (0)	1772.5 (132597)	18.62	17.66	16.68
		1745 (132322)	18.66	17.69	16.66
		1717.5 (132047)	18.72	17.70	16.71
20MHz	1RB-High (99)	1770 (132572)	19.64	18.82	17.81
		1745 (132322)	19.72	18.90	17.88
		1720 (132072)	19.69	18.94	17.84

	1RB-Middle (50)	1770 (132572)	19.66	18.91	17.80
		1745 (132322)	19.79	18.93	17.81
		1720 (132072)	19.76	18.99	17.98
	1RB-Low (0)	1770 (132572)	19.69	18.98	17.75
		1745 (132322)	19.73	18.92	17.89
		1720 (132072)	19.71	18.89	17.91
	50RB-High (50)	1770 (132572)	18.65	17.64	16.65
		1745 (132322)	18.71	17.69	16.71
		1720 (132072)	18.77	17.74	16.74
	50RB-Middle (25)	1770 (132572)	18.67	17.67	16.69
		1745 (132322)	18.78	17.71	16.72
		1720 (132072)	18.75	17.74	16.74
	50RB-Low (0)	1770 (132572)	18.71	17.66	16.69
		1745 (132322)	18.73	17.70	16.73
		1720 (132072)	18.76	17.73	16.73
	100RB (0)	1770 (132572)	18.67	17.64	16.64
		1745 (132322)	18.71	17.69	16.70
		1720 (132072)	18.76	17.73	16.74

LTE B66 ANT4 DSI2/5

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	22.52	21.76	20.72
		1745 (132322)	22.59	21.75	20.76
		1710.7 (131979)	22.55	21.70	20.84
	1RB-Middle (3)	1779.3 (132665)	22.51	21.68	20.86
		1745 (132322)	22.59	21.75	20.79
		1710.7 (131979)	22.61	21.75	20.73
	1RB-Low (0)	1779.3 (132665)	22.47	21.74	20.83
		1745 (132322)	22.58	21.90	20.91
		1710.7 (131979)	22.58	21.59	20.80
	3RB-High (3)	1779.3 (132665)	22.48	21.44	20.66
		1745 (132322)	22.49	21.34	20.63
		1710.7 (131979)	22.51	21.49	20.66
	3RB-Middle (1)	1779.3 (132665)	22.41	21.48	20.69
		1745 (132322)	22.44	21.44	20.72
		1710.7 (131979)	22.46	21.42	20.73
	3RB-Low (0)	1779.3 (132665)	22.46	21.43	20.64
		1745 (132322)	22.50	21.41	20.64
		1710.7 (131979)	22.50	21.46	20.74
	6RB (0)	1779.3 (132665)	21.51	20.63	19.56
		1745 (132322)	21.52	20.63	19.53

		1710.7 (131979)	21.47	20.70	19.61
3MHz	1RB-High (14)	1778.5 (132657)	22.48	21.87	20.87
		1745 (132322)	22.70	21.89	20.70
		1711.5 (131987)	22.67	21.84	20.76
	1RB-Middle (7)	1778.5 (132657)	22.65	21.83	20.96
		1745 (132322)	22.69	21.81	20.83
		1711.5 (131987)	22.88	21.89	20.77
	1RB-Low (0)	1778.5 (132657)	22.75	21.76	20.98
		1745 (132322)	22.73	21.87	20.72
		1711.5 (131987)	22.72	21.15	20.88
	8RB-High (7)	1778.5 (132657)	21.63	20.68	19.73
		1745 (132322)	21.57	20.86	19.75
		1711.5 (131987)	21.64	20.88	19.73
	8RB-Middle (4)	1778.5 (132657)	21.52	20.57	19.73
		1745 (132322)	21.67	20.72	19.72
		1711.5 (131987)	21.79	20.74	19.72
	8RB-Low (0)	1778.5 (132657)	21.78	20.60	19.66
		1745 (132322)	21.83	20.75	19.74
		1711.5 (131987)	21.63	20.88	19.79
	15RB (0)	1778.5 (132657)	21.67	20.53	19.76
		1745 (132322)	21.68	20.63	19.82
		1711.5 (131987)	21.68	20.68	19.62
5MHz	1RB-High (24)	1777.5 (132647)	22.43	21.83	20.88
		1745 (132322)	22.69	21.72	20.79
		1712.5 (131997)	22.75	21.78	20.76
	1RB-Middle (12)	1777.5 (132647)	22.78	21.95	20.77
		1745 (132322)	22.78	21.84	20.84
		1712.5 (131997)	22.71	21.95	20.79
	1RB-Low (0)	1777.5 (132647)	22.82	21.97	20.91
		1745 (132322)	22.78	21.98	20.83
		1712.5 (131997)	22.69	21.82	20.87
	12RB-High (13)	1777.5 (132647)	21.73	20.67	19.56
		1745 (132322)	21.65	20.77	19.75
		1712.5 (131997)	21.67	20.77	19.55
	12RB-Middle (6)	1777.5 (132647)	21.59	20.74	19.63
		1745 (132322)	21.66	20.64	19.64
		1712.5 (131997)	21.73	20.67	19.84
	12RB-Low (0)	1777.5 (132647)	21.71	20.70	19.66
		1745 (132322)	21.71	20.68	19.83
		1712.5 (131997)	21.68	20.80	19.73

	25RB (0)	1777.5 (132647)	21.66	20.65	19.67
		1745 (132322)	21.62	20.79	19.79
		1712.5 (131997)	21.66	20.70	19.66
10MHz	1RB-High (49)	1775 (132622)	22.52	21.89	20.85
		1745 (132322)	22.69	21.89	20.96
		1715 (132022)	22.77	21.85	20.81
	1RB-Middle (24)	1775 (132622)	22.79	21.74	20.79
		1745 (132322)	22.82	21.82	20.98
		1715 (132022)	22.62	21.81	20.90
	1RB-Low (0)	1775 (132622)	22.67	21.98	20.87
		1745 (132322)	22.75	21.78	20.89
		1715 (132022)	22.73	21.86	20.76
	25RB-High (25)	1775 (132622)	21.65	20.61	19.74
		1745 (132322)	21.65	20.77	19.79
		1715 (132022)	21.74	20.76	19.69
	25RB-Middle (12)	1775 (132622)	21.72	20.67	19.63
		1745 (132322)	21.73	20.65	19.81
		1715 (132022)	21.77	20.70	19.74
	25RB-Low (0)	1775 (132622)	21.62	20.67	19.64
		1745 (132322)	21.68	20.78	19.72
		1715 (132022)	21.65	20.79	19.80
	50RB (0)	1775 (132622)	21.60	20.74	19.70
		1745 (132322)	21.59	20.68	19.63
		1715 (132022)	21.65	20.69	19.68
15MHz	1RB-High (74)	1772.5 (132597)	22.50	21.90	20.86
		1745 (132322)	22.65	21.99	20.77
		1717.5 (132047)	22.68	21.82	20.83
	1RB-Middle (37)	1772.5 (132597)	22.74	21.85	20.87
		1745 (132322)	22.74	21.89	20.92
		1717.5 (132047)	22.79	21.85	20.82
	1RB-Low (0)	1772.5 (132597)	22.77	21.98	20.97
		1745 (132322)	22.75	21.96	20.82
		1717.5 (132047)	22.70	21.83	20.92
	36RB-High (38)	1772.5 (132597)	21.73	20.72	19.63
		1745 (132322)	21.61	20.80	19.65
		1717.5 (132047)	21.74	20.82	19.64
	36RB-Middle (19)	1772.5 (132597)	21.54	20.64	19.70
		1745 (132322)	21.71	20.68	19.70
		1717.5 (132047)	21.76	20.75	19.77
	36RB-Low (0)	1772.5 (132597)	21.78	20.66	19.74

	75RB (0)	1745 (132322)	21.78	20.71	19.76
		1717.5 (132047)	21.62	20.80	19.79
		1772.5 (132597)	21.58	20.56	19.70
		1745 (132322)	21.58	20.72	19.77
		1717.5 (132047)	21.68	20.73	19.72
20MHz	1RB-High (99)	1770 (132572)	22.54	21.88	20.88
		1745 (132322)	22.70	21.98	20.87
		1720 (132072)	22.67	21.92	20.87
	1RB-Middle (50)	1770 (132572)	22.73	21.94	20.80
		1745 (132322)	22.75	21.90	20.88
		1720 (132072)	22.70	21.81	20.93
	1RB-Low (0)	1770 (132572)	22.68	21.94	20.92
		1745 (132322)	22.65	21.98	20.90
		1720 (132072)	22.68	21.99	20.84
	50RB-High (50)	1770 (132572)	21.66	20.67	19.65
		1745 (132322)	21.69	20.70	19.69
		1720 (132072)	21.71	20.77	19.74
	50RB-Middle (25)	1770 (132572)	21.63	20.68	19.66
		1745 (132322)	21.78	20.70	19.71
		1720 (132072)	21.69	20.77	19.75
	50RB-Low (0)	1770 (132572)	21.68	20.70	19.67
		1745 (132322)	21.71	20.70	19.73
		1720 (132072)	21.69	20.74	19.73
	100RB (0)	1770 (132572)	21.66	20.65	19.66
		1745 (132322)	21.67	20.68	19.73
		1720 (132072)	21.69	20.73	19.74

LTE B66 ANT4 DSI3/6/9

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	23.11	22.03	21.21
		1745 (132322)	23.00	22.15	21.22
		1710.7 (131979)	23.14	22.18	21.24
	1RB-Middle (3)	1779.3 (132665)	23.08	22.08	21.35
		1745 (132322)	23.06	22.05	21.22
		1710.7 (131979)	22.97	22.11	21.17
	1RB-Low (0)	1779.3 (132665)	23.10	22.05	21.36
		1745 (132322)	22.85	21.96	21.29
		1710.7 (131979)	22.99	22.12	21.19
	3RB-High (3)	1779.3 (132665)	21.84	20.84	21.04
		1745 (132322)	21.95	20.89	21.18

	3RB-Middle (1)	1710.7 (131979)	22.03	21.02	21.22
		1779.3 (132665)	21.91	21.02	21.13
		1745 (132322)	22.07	20.87	21.18
		1710.7 (131979)	21.97	20.92	21.14
	3RB-Low (0)	1779.3 (132665)	22.02	20.93	21.22
		1745 (132322)	21.95	20.94	21.24
		1710.7 (131979)	21.75	20.79	21.02
	6RB (0)	1779.3 (132665)	21.95	21.02	20.15
		1745 (132322)	21.97	20.98	20.15
		1710.7 (131979)	22.02	21.02	20.26
3MHz	1RB-High (14)	1778.5 (132657)	23.05	22.15	21.28
		1745 (132322)	22.93	22.22	21.13
		1711.5 (131987)	23.10	22.20	21.28
	1RB-Middle (7)	1778.5 (132657)	22.97	22.09	21.38
		1745 (132322)	23.24	22.07	21.05
		1711.5 (131987)	23.12	22.07	21.13
	1RB-Low (0)	1778.5 (132657)	23.05	22.08	21.24
		1745 (132322)	22.85	22.01	21.15
		1711.5 (131987)	22.89	22.08	21.32
	8RB-High (7)	1778.5 (132657)	21.78	20.87	20.15
		1745 (132322)	21.90	20.87	20.12
		1711.5 (131987)	21.97	20.97	20.27
	8RB-Middle (4)	1778.5 (132657)	21.94	20.94	20.16
		1745 (132322)	22.03	20.87	20.20
		1711.5 (131987)	21.93	20.97	20.15
	8RB-Low (0)	1778.5 (132657)	21.97	20.93	20.13
		1745 (132322)	21.99	20.85	20.19
		1711.5 (131987)	21.78	20.75	20.06
	15RB (0)	1778.5 (132657)	21.89	20.94	20.22
		1745 (132322)	21.87	20.94	20.11
		1711.5 (131987)	21.99	20.87	20.26
5MHz	1RB-High (24)	1777.5 (132647)	23.10	22.25	21.09
		1745 (132322)	23.00	22.11	21.17
		1712.5 (131997)	23.05	22.20	21.18
	1RB-Middle (12)	1777.5 (132647)	23.07	22.06	21.43
		1745 (132322)	23.17	22.07	21.08
		1712.5 (131997)	23.08	22.06	21.18
	1RB-Low (0)	1777.5 (132647)	22.99	22.16	21.23
		1745 (132322)	22.93	21.97	21.17
		1712.5 (131997)	23.12	22.06	21.29

	12RB-High (13)	1777.5 (132647)	21.90	20.93	20.05
		1745 (132322)	21.83	20.90	20.04
		1712.5 (131997)	22.03	21.07	20.18
	12RB-Middle (6)	1777.5 (132647)	21.93	21.02	20.21
		1745 (132322)	22.06	20.91	20.22
		1712.5 (131997)	21.96	20.90	20.11
	12RB-Low (0)	1777.5 (132647)	21.95	21.05	20.16
		1745 (132322)	21.99	20.98	20.14
		1712.5 (131997)	21.75	20.72	20.03
	25RB (0)	1777.5 (132647)	21.96	20.94	20.18
		1745 (132322)	21.92	20.97	20.11
		1712.5 (131997)	21.93	20.93	20.36
10MHz	1RB-High (49)	1775 (132622)	23.02	22.13	21.39
		1745 (132322)	22.95	22.09	21.14
		1715 (132022)	23.07	22.17	21.21
	1RB-Middle (24)	1775 (132622)	23.11	22.08	21.26
		1745 (132322)	23.11	22.00	21.18
		1715 (132022)	23.12	22.09	21.06
	1RB-Low (0)	1775 (132622)	22.96	22.18	21.30
		1745 (132322)	22.90	21.98	21.23
		1715 (132022)	22.99	22.08	21.28
	25RB-High (25)	1775 (132622)	21.93	20.87	20.08
		1745 (132322)	21.84	20.84	20.11
		1715 (132022)	22.03	20.96	20.14
	25RB-Middle (12)	1775 (132622)	22.06	20.96	20.20
		1745 (132322)	22.01	20.90	20.09
		1715 (132022)	21.88	20.95	20.10
	25RB-Low (0)	1775 (132622)	22.01	21.00	20.09
		1745 (132322)	22.02	20.88	20.21
		1715 (132022)	21.68	20.82	20.08
	50RB (0)	1775 (132622)	22.00	20.95	20.12
		1745 (132322)	21.95	20.92	20.07
		1715 (132022)	21.93	21.01	20.18
15MHz	1RB-High (74)	1772.5 (132597)	23.08	22.11	21.19
		1745 (132322)	22.92	22.05	21.25
		1717.5 (132047)	23.05	22.11	21.20
	1RB-Middle (37)	1772.5 (132597)	23.03	22.20	21.30
		1745 (132322)	23.21	21.94	20.98
		1717.5 (132047)	22.96	22.15	21.06
	1RB-Low (0)	1772.5 (132597)	23.02	22.08	21.22

		1745 (132322)	23.02	22.05	21.12
		1717.5 (132047)	23.03	22.14	21.21
		1772.5 (132597)	21.79	20.92	20.28
	36RB-High (38)	1745 (132322)	21.81	20.94	20.06
		1717.5 (132047)	21.93	20.98	20.18
		1772.5 (132597)	21.99	20.86	20.19
	36RB-Middle (19)	1745 (132322)	22.03	20.86	20.16
		1717.5 (132047)	22.04	20.87	20.14
		1772.5 (132597)	21.88	20.93	20.24
	36RB-Low (0)	1745 (132322)	21.94	20.95	20.18
		1717.5 (132047)	21.76	20.82	20.12
		1772.5 (132597)	21.90	21.01	20.17
	75RB (0)	1745 (132322)	21.80	20.83	20.12
		1717.5 (132047)	21.99	20.94	20.15
20MHz	1RB-High (99)	1770 (132572)	22.92	22.14	21.24
		1745 (132322)	23.03	22.14	21.27
		1720 (132072)	23.11	22.06	21.27
	1RB-Middle (50)	1770 (132572)	22.98	22.02	21.32
		1745 (132322)	23.14	22.02	21.22
		1720 (132072)	23.06	22.08	21.24
	1RB-Low (0)	1770 (132572)	23.07	22.14	21.31
		1745 (132322)	22.79	21.96	21.21
		1720 (132072)	23.05	22.13	21.31
	50RB-High (50)	1770 (132572)	21.75	20.99	20.05
		1745 (132322)	21.90	20.95	20.04
		1720 (132072)	22.01	20.98	20.14
	50RB-Middle (25)	1770 (132572)	21.90	20.88	20.10
		1745 (132322)	22.17	20.84	20.02
		1720 (132072)	21.84	20.85	20.16
	50RB-Low (0)	1770 (132572)	22.05	21.01	20.15
		1745 (132322)	21.97	20.94	20.17
		1720 (132072)	21.75	20.73	20.02
	100RB (0)	1770 (132572)	21.90	20.96	20.15
		1745 (132322)	21.96	20.87	20.16
		1720 (132072)	21.93	20.99	20.23

LTE B66 ANT4 DSI7

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	17.60	16.89	15.74
		1745 (132322)	17.62	16.90	15.89

	1RB-Middle (3)	1710.7 (131979)	17.61	16.92	15.92
		1779.3 (132665)	17.58	16.71	15.65
		1745 (132322)	17.56	16.86	15.80
		1710.7 (131979)	17.60	16.79	15.77
	1RB-Low (0)	1779.3 (132665)	17.59	16.75	15.79
		1745 (132322)	17.58	16.92	15.94
		1710.7 (131979)	17.58	16.94	15.80
	3RB-High (3)	1779.3 (132665)	17.52	16.54	15.67
		1745 (132322)	17.53	16.49	15.70
		1710.7 (131979)	17.60	16.50	15.69
	3RB-Middle (1)	1779.3 (132665)	17.53	16.46	15.71
		1745 (132322)	17.52	16.48	15.67
		1710.7 (131979)	17.54	16.56	15.70
	3RB-Low (0)	1779.3 (132665)	17.51	16.46	15.68
		1745 (132322)	17.54	16.54	15.63
		1710.7 (131979)	17.56	16.57	15.72
	6RB (0)	1779.3 (132665)	16.52	15.56	14.50
		1745 (132322)	16.54	15.66	14.57
		1710.7 (131979)	16.54	15.61	14.63
3MHz	1RB-High (14)	1778.5 (132657)	17.68	16.74	15.93
		1745 (132322)	17.60	16.82	15.77
		1711.5 (131987)	17.66	16.67	15.72
	1RB-Middle (7)	1778.5 (132657)	17.67	16.95	15.82
		1745 (132322)	17.83	16.42	15.89
		1711.5 (131987)	17.75	16.91	15.76
	1RB-Low (0)	1778.5 (132657)	17.67	16.97	15.86
		1745 (132322)	17.63	16.75	15.64
		1711.5 (131987)	17.69	16.88	15.81
	8RB-High (7)	1778.5 (132657)	16.81	15.68	14.65
		1745 (132322)	16.72	15.56	14.81
		1711.5 (131987)	16.79	15.71	14.84
	8RB-Middle (4)	1778.5 (132657)	16.75	15.80	14.68
		1745 (132322)	16.85	15.67	14.68
		1711.5 (131987)	16.78	15.85	14.73
	8RB-Low (0)	1778.5 (132657)	16.56	15.90	14.62
		1745 (132322)	16.58	15.80	14.82
		1711.5 (131987)	16.73	15.77	14.81
	15RB (0)	1778.5 (132657)	16.55	15.66	14.70
		1745 (132322)	16.85	15.79	14.58
1711.5 (131987)		16.66	15.65	14.95	

5MHz	1RB-High (24)	1777.5 (132647)	17.65	16.90	15.98
		1745 (132322)	17.66	16.91	15.84
		1712.5 (131997)	17.68	16.84	15.82
	1RB-Middle (12)	1777.5 (132647)	17.66	16.99	15.84
		1745 (132322)	17.87	16.88	15.88
		1712.5 (131997)	17.84	16.91	15.91
	1RB-Low (0)	1777.5 (132647)	17.67	16.79	15.86
		1745 (132322)	17.66	16.96	15.71
		1712.5 (131997)	17.70	16.83	15.73
	12RB-High (13)	1777.5 (132647)	16.63	15.74	14.77
		1745 (132322)	16.62	15.60	14.77
		1712.5 (131997)	16.71	15.72	14.73
	12RB-Middle (6)	1777.5 (132647)	16.67	15.73	14.74
		1745 (132322)	16.67	15.65	14.68
		1712.5 (131997)	16.83	15.67	14.75
	12RB-Low (0)	1777.5 (132647)	16.60	15.74	14.58
		1745 (132322)	16.76	15.77	14.81
		1712.5 (131997)	16.65	15.67	14.78
	25RB (0)	1777.5 (132647)	16.63	15.77	14.64
		1745 (132322)	16.68	15.62	14.80
		1712.5 (131997)	16.82	15.67	14.84
10MHz	1RB-High (49)	1775 (132622)	17.67	16.83	15.86
		1745 (132322)	17.68	16.99	15.97
		1715 (132022)	17.69	16.99	15.91
	1RB-Middle (24)	1775 (132622)	17.63	16.93	15.77
		1745 (132322)	17.85	16.90	15.87
		1715 (132022)	17.67	16.81	15.93
	1RB-Low (0)	1775 (132622)	17.71	16.79	15.87
		1745 (132322)	17.67	16.69	15.72
		1715 (132022)	17.66	16.92	15.82
	25RB-High (25)	1775 (132622)	16.56	15.69	14.62
		1745 (132322)	16.62	15.75	14.64
		1715 (132022)	16.74	15.79	14.75
	25RB-Middle (12)	1775 (132622)	16.75	15.69	14.72
		1745 (132322)	16.69	15.70	14.67
		1715 (132022)	16.76	15.79	14.88
	25RB-Low (0)	1775 (132622)	16.61	15.67	14.75
		1745 (132322)	16.68	15.80	14.73
		1715 (132022)	16.73	15.68	14.84
	50RB (0)	1775 (132622)	16.76	15.71	14.72
		1745 (132322)	16.79	15.64	14.80

		1715 (132022)	16.84	15.65	14.83
15MHz	1RB-High (74)	1772.5 (132597)	17.70	17.00	15.98
		1745 (132322)	17.68	16.89	15.79
		1717.5 (132047)	17.64	16.77	15.77
	1RB-Middle (37)	1772.5 (132597)	17.60	16.93	15.86
		1745 (132322)	17.79	16.52	15.87
		1717.5 (132047)	17.78	16.94	15.84
	1RB-Low (0)	1772.5 (132597)	17.65	16.91	15.89
		1745 (132322)	17.70	16.85	15.74
		1717.5 (132047)	17.69	16.94	15.88
	36RB-High (38)	1772.5 (132597)	16.74	15.72	14.58
		1745 (132322)	16.63	15.66	14.74
		1717.5 (132047)	16.83	15.65	14.84
	36RB-Middle (19)	1772.5 (132597)	16.71	15.78	14.66
		1745 (132322)	16.75	15.64	14.76
		1717.5 (132047)	16.81	15.75	14.74
	36RB-Low (0)	1772.5 (132597)	16.61	15.82	14.72
		1745 (132322)	16.68	15.80	14.74
		1717.5 (132047)	16.83	15.79	14.82
	75RB (0)	1772.5 (132597)	16.59	15.57	14.66
		1745 (132322)	16.75	15.70	14.63
		1717.5 (132047)	16.76	15.71	14.86
20MHz	1RB-High (99)	1770 (132572)	17.69	16.98	15.90
		1745 (132322)	17.69	16.96	15.89
		1720 (132072)	17.70	16.94	15.87
	1RB-Middle (50)	1770 (132572)	17.62	16.90	15.91
		1745 (132322)	17.79	16.92	15.91
		1720 (132072)	17.76	16.97	15.85
	1RB-Low (0)	1770 (132572)	17.64	16.87	15.94
		1745 (132322)	17.76	16.95	16.00
		1720 (132072)	17.65	16.91	15.78
	50RB-High (50)	1770 (132572)	16.65	15.67	14.68
		1745 (132322)	16.71	15.70	14.74
		1720 (132072)	16.75	15.75	14.81
	50RB-Middle (25)	1770 (132572)	16.68	15.68	14.70
		1745 (132322)	16.77	15.71	14.75
		1720 (132072)	16.74	15.77	14.80
	50RB-Low (0)	1770 (132572)	16.70	15.73	14.68
		1745 (132322)	16.75	15.80	14.74
		1720 (132072)	16.75	15.75	14.79

	100RB (0)	1770 (132572)	16.67	15.67	14.68
		1745 (132322)	16.74	15.70	14.72
		1720 (132072)	16.77	15.72	14.78

LTE B66 ANT4 DSI8

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	20.99	20.40	19.27
		1745 (132322)	21.05	20.39	19.29
		1710.7 (131979)	21.11	20.45	19.39
	1RB-Middle (3)	1779.3 (132665)	20.94	20.38	19.23
		1745 (132322)	21.07	20.27	19.28
		1710.7 (131979)	21.09	20.46	19.40
	1RB-Low (0)	1779.3 (132665)	21.03	20.46	19.39
		1745 (132322)	21.11	20.37	19.28
		1710.7 (131979)	21.10	20.45	19.34
	3RB-High (3)	1779.3 (132665)	20.97	20.06	19.16
		1745 (132322)	21.04	20.07	19.30
		1710.7 (131979)	21.04	20.10	19.15
	3RB-Middle (1)	1779.3 (132665)	20.91	20.08	19.16
		1745 (132322)	20.98	20.01	19.27
		1710.7 (131979)	21.06	20.05	19.23
	3RB-Low (0)	1779.3 (132665)	20.99	20.08	19.24
		1745 (132322)	21.01	20.11	19.22
		1710.7 (131979)	21.06	19.93	19.27
	6RB (0)	1779.3 (132665)	20.08	19.17	18.12
		1745 (132322)	20.11	19.21	18.14
		1710.7 (131979)	20.10	19.19	18.13
3MHz	1RB-High (14)	1778.5 (132657)	21.28	20.25	19.45
		1745 (132322)	21.31	20.26	19.22
		1711.5 (131987)	21.09	20.37	19.30
	1RB-Middle (7)	1778.5 (132657)	21.27	20.41	19.47
		1745 (132322)	21.09	20.36	19.27
		1711.5 (131987)	21.28	20.47	19.24
	1RB-Low (0)	1778.5 (132657)	21.20	20.48	19.31
		1745 (132322)	21.20	20.37	19.26
		1711.5 (131987)	21.34	20.40	19.27
	8RB-High (7)	1778.5 (132657)	20.26	19.20	18.11
		1745 (132322)	20.15	19.38	18.25
		1711.5 (131987)	20.47	19.25	18.47
	8RB-Middle (4)	1778.5 (132657)	20.17	19.13	18.16

		1745 (132322)	20.24	19.22	18.41
		1711.5 (131987)	20.40	19.24	18.27
		1778.5 (132657)	20.12	19.30	18.18
	8RB-Low (0)	1745 (132322)	20.17	19.18	18.31
		1711.5 (131987)	20.32	19.22	18.34
		1778.5 (132657)	20.19	19.21	18.14
	15RB (0)	1745 (132322)	20.36	19.33	18.21
		1711.5 (131987)	20.28	19.37	18.37
5MHz	1RB-High (24)	1777.5 (132647)	21.12	20.42	19.45
		1745 (132322)	21.32	20.50	19.44
		1712.5 (131997)	21.26	20.36	19.42
	1RB-Middle (12)	1777.5 (132647)	21.30	20.48	19.26
		1745 (132322)	21.19	20.39	19.47
		1712.5 (131997)	21.14	20.41	19.36
	1RB-Low (0)	1777.5 (132647)	21.19	20.34	19.47
		1745 (132322)	21.27	20.34	19.40
		1712.5 (131997)	21.16	20.40	19.45
	12RB-High (13)	1777.5 (132647)	20.31	19.29	18.29
		1745 (132322)	20.22	19.21	18.18
		1712.5 (131997)	20.29	19.32	18.32
	12RB-Middle (6)	1777.5 (132647)	20.21	19.27	18.26
		1745 (132322)	20.27	19.20	18.38
		1712.5 (131997)	20.29	19.18	18.24
	12RB-Low (0)	1777.5 (132647)	20.26	19.23	18.34
		1745 (132322)	20.25	19.32	18.35
		1712.5 (131997)	20.22	19.31	18.28
	25RB (0)	1777.5 (132647)	20.22	19.22	18.30
		1745 (132322)	20.32	19.22	18.26
		1712.5 (131997)	20.35	19.36	18.29
10MHz	1RB-High (49)	1775 (132622)	21.18	20.50	19.32
		1745 (132322)	21.18	20.45	19.40
		1715 (132022)	21.14	20.41	19.41
	1RB-Middle (24)	1775 (132622)	21.17	20.45	19.30
		1745 (132322)	21.27	20.33	19.33
		1715 (132022)	21.13	20.34	19.38
	1RB-Low (0)	1775 (132622)	21.15	20.47	19.32
		1745 (132322)	21.12	20.24	19.35
		1715 (132022)	21.17	20.29	19.39
	25RB-High (25)	1775 (132622)	20.29	19.16	18.12
		1745 (132322)	20.20	19.21	18.25

	25RB-Middle (12)	1715 (132022)	20.31	19.28	18.36
		1775 (132622)	20.17	19.20	18.30
		1745 (132322)	20.28	19.27	18.26
		1715 (132022)	20.31	19.34	18.40
	25RB-Low (0)	1775 (132622)	20.21	19.21	18.32
		1745 (132322)	20.38	19.24	18.38
		1715 (132022)	20.22	19.24	18.24
	50RB (0)	1775 (132622)	20.15	19.16	18.15
		1745 (132322)	20.17	19.23	18.34
		1715 (132022)	20.32	19.20	18.41
15MHz	1RB-High (74)	1772.5 (132597)	21.22	20.49	19.39
		1745 (132322)	21.34	20.36	19.46
		1717.5 (132047)	21.19	20.44	19.28
	1RB-Middle (37)	1772.5 (132597)	21.23	20.48	19.38
		1745 (132322)	21.18	20.44	19.37
		1717.5 (132047)	21.20	20.37	19.21
	1RB-Low (0)	1772.5 (132597)	21.15	20.39	19.30
		1745 (132322)	21.25	20.33	19.36
		1717.5 (132047)	21.28	20.38	19.47
	36RB-High (38)	1772.5 (132597)	20.30	19.19	18.15
		1745 (132322)	20.20	19.31	18.26
		1717.5 (132047)	20.37	19.20	18.39
	36RB-Middle (19)	1772.5 (132597)	20.16	19.11	18.21
		1745 (132322)	20.25	19.18	18.33
		1717.5 (132047)	20.39	19.24	18.25
	36RB-Low (0)	1772.5 (132597)	20.22	19.25	18.27
		1745 (132322)	20.20	19.21	18.32
		1717.5 (132047)	20.38	19.16	18.28
	75RB (0)	1772.5 (132597)	20.25	19.16	18.18
		1745 (132322)	20.34	19.31	18.28
		1717.5 (132047)	20.30	19.37	18.38
20MHz	1RB-High (99)	1770 (132572)	21.17	20.42	19.42
		1745 (132322)	21.24	20.43	19.44
		1720 (132072)	21.23	20.46	19.34
	1RB-Middle (50)	1770 (132572)	21.23	20.45	19.28
		1745 (132322)	21.28	20.37	19.40
		1720 (132072)	21.19	20.43	19.42
	1RB-Low (0)	1770 (132572)	21.21	20.42	19.37
		1745 (132322)	21.21	20.34	19.37
		1720 (132072)	21.26	20.31	19.43

	50RB-High (50)	1770 (132572)	20.21	19.21	18.21
		1745 (132322)	20.23	19.23	18.25
		1720 (132072)	20.31	19.29	18.30
	50RB-Middle (25)	1770 (132572)	20.21	19.20	18.24
		1745 (132322)	20.34	19.25	18.28
		1720 (132072)	20.31	19.27	18.33
	50RB-Low (0)	1770 (132572)	20.26	19.25	18.25
		1745 (132322)	20.29	19.28	18.28
		1720 (132072)	20.28	19.26	18.30
	100RB (0)	1770 (132572)	20.22	19.18	18.23
		1745 (132322)	20.25	19.23	18.28
		1720 (132072)	20.32	19.27	18.31

10.3 Wi-Fi and BT Measurement result

The maximum output power of BT antenna is 8.03dBm.

The maximum tune up of BT antenna is 8.5dBm.

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

FCC			Tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	16.27	17.00
	6(2437(MHz)	16.39	17.00
	1(2412MHz)	15.99	17.00
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	15.63	16.50
	6(2437(MHz)	15.76	16.50
	1(2412MHz)	15.41	16.50
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	15.51	16.50
	6(2437(MHz)	15.74	16.50
	1(2412MHz)	15.38	16.50

Wi-Fi 2.4G –DSI2/3/6

FCC			Tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	18.64	19.50
	6(2437(MHz)	18.88	19.50
	1(2412MHz)	18.69	19.50
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	17.81	19.00
	6(2437(MHz)	18.12	19.00
	1(2412MHz)	17.84	19.00
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	17.87	19.00
	6(2437(MHz)	18.05	19.00
	1(2412MHz)	17.54	19.00

Wi-Fi 2.4G –DSI4

FCC			Tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	11.35	12.00
	6(2437(MHz)	11.55	12.00
	1(2412MHz)	11.13	12.00
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	10.86	11.50
	6(2437(MHz)	10.94	11.50
	1(2412MHz)	10.55	11.50
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	10.68	11.50
	6(2437(MHz)	10.76	11.50
	1(2412MHz)	10.53	11.50

Wi-Fi 2.4G –DSI5

FCC			Tune up
802.11b	Channel\data	1Mbps	
WLAN2450	11(2462MHz)	17.70	18.50
	6(2437(MHz)	17.89	18.50
	1(2412MHz)	17.49	18.50
802.11g	Channel\data	6Mbps	
WLAN2450	11(2462MHz)	16.95	18.00
	6(2437(MHz)	17.16	18.00
	1(2412MHz)	16.79	18.00
802.11n-20MHz	Channel\data	MCS0	
WLAN2450	11(2462MHz)	16.88	18.00
	6(2437(MHz)	17.08	18.00
	1(2412MHz)	16.81	18.00

Wi-Fi 5G –DSI1

5GHz		Tune up
802.11a(dBm)		
Channel\data rate	6Mbps	
36(5180 MHz)	13.01	14.00
40(5200 MHz)	13.04	14.00
44(5220 MHz)	13.07	14.00
48(5240 MHz)	12.98	14.00
52(5260 MHz)	12.96	14.00
56(5280 MHz)	12.97	14.00
60(5300 MHz)	13.01	14.00
64(5320 MHz)	13.23	14.00
100(5500 MHz)	13.21	14.00
104(5520 MHz)	13.24	14.00
108(5540 MHz)	13.35	14.00
112(5560 MHz)	13.30	14.00
116(5580 MHz)	13.46	14.00
120(5600 MHz)	13.59	14.00
124(5620 MHz)	13.60	14.00
128(5640 MHz)	13.58	14.00
132(5660 MHz)	13.59	14.00
136(5680 MHz)	13.57	14.00
140(5700 MHz)	13.63	14.00
144(5720 MHz)	13.59	14.00
149(5745 MHz)	13.62	14.00
153(5765 MHz)	13.57	14.00
157(5785 MHz)	13.67	14.00
161(5805 MHz)	13.61	14.00
165(5825 MHz)	13.64	14.00

Wi-Fi 5G –DSI2/3

5GHz		Tune up
802.11a(dBm)		
Channel\data rate	6Mbps	
36(5180 MHz)	16.31	17.00
40(5200 MHz)	16.37	17.00
44(5220 MHz)	16.44	17.00
48(5240 MHz)	16.29	17.00
52(5260 MHz)	16.12	17.00
56(5280 MHz)	16.24	17.00
60(5300 MHz)	16.22	17.00
64(5320 MHz)	16.33	17.00
100(5500 MHz)	14.62	15.50
104(5520 MHz)	18.10	19.00
108(5540 MHz)	18.19	19.00
112(5560 MHz)	18.21	19.00
116(5580 MHz)	18.26	19.00
120(5600 MHz)	18.18	19.00
124(5620 MHz)	18.43	19.00
128(5640 MHz)	18.27	19.00
132(5660 MHz)	18.36	19.00
136(5680 MHz)	18.38	19.00
140(5700 MHz)	13.13	14.50
144(5720 MHz)	18.29	19.00
149(5745 MHz)	18.26	19.00
153(5765 MHz)	18.32	19.00
157(5785 MHz)	18.41	19.00
161(5805 MHz)	18.37	19.00
165(5825 MHz)	18.33	19.00

Wi-Fi 5G –DSI4

5GHz		Tune up
802.11a(dBm)		
Channel\data rate	6Mbps	
36(5180 MHz)	7.93	9.00
40(5200 MHz)	7.89	9.00
44(5220 MHz)	8.03	9.00
48(5240 MHz)	7.72	9.00
52(5260 MHz)	7.83	9.00
56(5280 MHz)	7.84	9.00
60(5300 MHz)	7.98	9.00
64(5320 MHz)	8.06	9.00
100(5500 MHz)	8.05	9.00
104(5520 MHz)	7.98	9.00
108(5540 MHz)	8.10	9.00
112(5560 MHz)	8.19	9.00
116(5580 MHz)	8.33	9.00
120(5600 MHz)	8.27	9.00
124(5620 MHz)	8.44	9.00
128(5640 MHz)	8.41	9.00
132(5660 MHz)	8.52	9.00
136(5680 MHz)	8.39	9.00
140(5700 MHz)	8.56	9.00
144(5720 MHz)	8.42	9.00
149(5745 MHz)	8.41	9.00
153(5765 MHz)	8.37	9.00
157(5785 MHz)	8.47	9.00
161(5805 MHz)	8.43	9.00
165(5825 MHz)	8.46	9.00

Wi-Fi 5G –DSI5

5GHz		Tune up
802.11a(dBm)		
Channel\data rate	6Mbps	
36(5180 MHz)	12.55	13.50
40(5200 MHz)	12.67	13.50
44(5220 MHz)	12.75	13.50
48(5240 MHz)	12.56	13.50
52(5260 MHz)	12.53	13.50
56(5280 MHz)	12.57	13.50
60(5300 MHz)	12.65	13.50
64(5320 MHz)	12.67	13.50
100(5500 MHz)	12.75	13.50
104(5520 MHz)	12.73	13.50
108(5540 MHz)	12.75	13.50
112(5560 MHz)	12.82	13.50
116(5580 MHz)	12.96	13.50
120(5600 MHz)	12.97	13.50
124(5620 MHz)	12.98	13.50
128(5640 MHz)	12.98	13.50
132(5660 MHz)	12.98	13.50
136(5680 MHz)	12.94	13.50
140(5700 MHz)	12.99	13.50
144(5720 MHz)	12.97	13.50
149(5745 MHz)	13.11	13.50
153(5765 MHz)	13.03	13.50
157(5785 MHz)	13.13	13.50
161(5805 MHz)	13.11	13.50
165(5825 MHz)	13.12	13.50

Wi-Fi 5G –DSI6

5GHz		Tune up
802.11a(dBm)		
Channel\data rate	6Mbps	
36(5180 MHz)	14.18	15.00
40(5200 MHz)	14.07	15.00
44(5220 MHz)	14.26	15.00
48(5240 MHz)	13.96	15.00
52(5260 MHz)	14.02	15.00
56(5280 MHz)	14.16	15.00
60(5300 MHz)	14.24	15.00
64(5320 MHz)	14.27	15.00
100(5500 MHz)	14.19	15.00
104(5520 MHz)	14.27	15.00
108(5540 MHz)	14.26	15.00
112(5560 MHz)	14.35	15.00
116(5580 MHz)	14.49	15.00
120(5600 MHz)	14.47	15.00
124(5620 MHz)	14.63	15.00
128(5640 MHz)	14.57	15.00
132(5660 MHz)	14.55	15.00
136(5680 MHz)	14.52	15.00
140(5700 MHz)	13.66	14.50
144(5720 MHz)	14.53	15.00
149(5745 MHz)	14.63	15.00
153(5765 MHz)	14.56	15.00
157(5785 MHz)	14.78	15.00
161(5805 MHz)	14.63	15.00
165(5825 MHz)	14.68	15.00

10.4 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	0	24.5	21.5	24.5	24.5	21.5	24.5	24.5	19.5	24.5
N2	4	19.5	23.5	24.5	19.5	23.5	24.5	17.5	21.5	24.5
N5	0	25	25	25	25	25	25	25	25	25
N30	0	24	23	22.5	24	23	22.5	\	\	\
N30	4	15	18.5	20.5	15	18.5	20.5	\	\	\
N66	0	24.5	20	22.5	24.5	20	22.5	24.5	18	22
N66	4	19.5	23	24.5	19.5	23	24.5	17.5	21	24.5
n77L_PC2	3	21	24	25	21	24	25	19.5	22	25
n77L_PC2	1	25	25	25	25	25	25	\	\	\
n77L_PC2	2	25	25	25	25	25	25	\	\	\
n77L_PC2	6	23	23	23	23	23	23	\	\	\
n77H_PC2	3	21	24	25	21	24	25	19	22	25
n77H_PC2	1	25	25	25	25	25	25	\	\	\
n77H_PC2	2	25	25	25	25	25	25	\	\	\
n77H_PC2	6	23	23	23	23	23	23	\	\	\
n77L_PC3	3	20	22.5	23	20	22.5	23	18	21	23
n77L_PC3	1	22	22	22	22	22	22	\	\	\
n77L_PC3	2	22	22	22	22	22	22	\	\	\
n77L_PC3	6	20	20	20	20	20	20	\	\	\
n77H_PC3	3	20	22.5	23	20	22.5	23	18	21	23
n77H_PC3	1	22	22	22	22	22	22	\	\	\
n77H_PC3	2	22	22	22	22	22	22	\	\	\
n77H_PC3	6	20	20	20	20	20	20	\	\	\

N2-ANT0 DSI1/3/4/6/7/9

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	24.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	24.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	24.50
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	24.50
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	24.50
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	24.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	24.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	23.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	22.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	20.00
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	23.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	22.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	21.00
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	18.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	23.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	23.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	23.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	23.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	24.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	24.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	23.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1905	381000	24.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	24.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1855	371000	24.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1902.5	380500	24.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	24.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1857.5	371500	24.50

N2-ANT0 DSI2/5

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	21.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	21.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	21.50
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	21.50
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	21.50
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	21.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	21.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	21.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	21.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	19.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	21.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	21.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	21.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	18.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	21.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	21.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	21.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	21.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	21.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	21.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	21.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1905	381000	21.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	21.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1855	371000	21.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1902.5	380500	21.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	21.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1857.5	371500	21.50

N2-ANT0 DSI8

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	19.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	19.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	19.50
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	19.50
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	19.50
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	19.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	19.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	19.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	19.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	19.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	19.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	19.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	19.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	17.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	19.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	19.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	19.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	19.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	19.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	19.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	19.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1905	381000	19.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	19.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1855	371000	19.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1902.5	380500	19.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	19.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1857.5	371500	19.50

N2-ANT4 DSI1/4

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	19.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	19.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	19.50
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	19.50
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	19.50
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	19.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	19.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	19.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	19.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	19.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	19.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	19.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	19.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	19.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	19.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	19.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	19.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	19.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	19.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	19.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	19.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1905	381000	19.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	19.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1855	371000	19.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1902.5	380500	19.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	19.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1857.5	371500	19.50

N2-ANT4 DSI2/5

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	23.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	23.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	23.50
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	23.50
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	23.50
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	23.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	23.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	23.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	22.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	20.00
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	23.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	23.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	22.00
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	19.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	23.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	23.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	23.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	23.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	23.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	23.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	23.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1905	381000	23.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	23.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1855	371000	23.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1902.5	380500	23.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	23.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1857.5	371500	23.50

N2-ANT4 DSI3/6/9

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	24.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	24.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	24.50
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	24.50
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	24.50
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	24.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	24.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	23.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	22.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	20.00
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	23.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	22.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	21.00
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	18.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	23.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	23.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	23.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	23.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	24.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	24.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	23.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1905	381000	24.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	24.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1855	371000	24.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1902.5	380500	24.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	24.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1857.5	371500	24.50

N2-ANT4 DSI7

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	17.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	17.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	17.50
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	17.50
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	17.50
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	17.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	17.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	17.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	17.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	17.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	17.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	17.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	17.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	17.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	17.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	17.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	17.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	17.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	17.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	17.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	17.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1905	381000	17.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	17.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1855	371000	17.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1902.5	380500	17.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	17.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1857.5	371500	17.50

N2-ANT4 DSI8

No.	Test Freq Description	5G-n2							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1907.5	381500	21.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1880	376000	21.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1852.5	370500	21.50
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1900	380000	21.50
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1880	376000	21.50
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1860	372000	21.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1880	376000	21.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1880	376000	21.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1880	376000	21.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1880	376000	19.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1880	376000	21.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1880	376000	21.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1880	376000	20.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1880	376000	17.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1880	376000	21.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1880	376000	21.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1880	376000	21.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1880	376000	21.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1880	376000	21.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1880	376000	21.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1880	376000	21.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1905	381000	21.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1880	376000	21.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1855	371000	21.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1902.5	380500	21.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1880	376000	21.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1857.5	371500	21.50

N5-ANT0 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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	846.5	169300	25.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	836.5	167300	25.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	826.5	165300	25.00
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	839	167800	25.00
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	836.5	167300	25.00
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	834	166800	25.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	836.5	167300	25.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	836.5	167300	24.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	836.5	167300	22.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	836.5	167300	20.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	836.5	167300	23.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	836.5	167300	23.00
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	836.5	167300	21.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	836.5	167300	18.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	836.5	167300	24.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	836.5	167300	24.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	836.5	167300	24.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	836.5	167300	24.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	836.5	167300	25.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	836.5	167300	25.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	836.5	167300	24.00
16	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	844	168800	25.00
17	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	836.5	167300	25.00
18	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	829	165800	25.00
19	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	841.5	168300	25.00
20	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	836.5	167300	25.00
21	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	831.5	166300	25.00

N30-ANT0 DSI1/4

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2312.5	462500	24.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2310	462000	24.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2307.5	461500	24.00
5	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2310	462000	24.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2310	462000	24.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2310	462000	23.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2310	462000	21.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2310	462000	19.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2310	462000	22.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2310	462000	22.00
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2310	462000	20.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2310	462000	17.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2310	462000	23.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2310	462000	23.00
14	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2310	462000	23.00
15	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2310	462000	23.00
11	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2310	462000	24.00
12	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2310	462000	24.00
13	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2310	462000	23.00

N30-ANT0 DSI2/5

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2312.5	462500	23.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2310	462000	23.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2307.5	461500	23.00
5	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2310	462000	23.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2310	462000	23.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2310	462000	23.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2310	462000	21.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2310	462000	19.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2310	462000	23.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2310	462000	23.00
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2310	462000	21.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2310	462000	18.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2310	462000	23.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2310	462000	23.00
14	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2310	462000	23.00
15	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2310	462000	23.00
11	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2310	462000	23.00
12	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2310	462000	23.00
13	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2310	462000	23.00

N30-ANT0 DSI3/6

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2312.5	462500	22.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2310	462000	22.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2307.5	461500	22.50
5	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2310	462000	22.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2310	462000	22.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2310	462000	22.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2310	462000	21.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2310	462000	19.00
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2310	462000	22.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2310	462000	21.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2310	462000	20.00
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2310	462000	17.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2310	462000	22.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2310	462000	22.50
14	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2310	462000	22.50
15	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2310	462000	22.50
11	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2310	462000	22.50
12	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2310	462000	22.50
13	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2310	462000	22.50

N30-ANT4DSI1/4

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2312.5	462500	15.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2310	462000	15.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2307.5	461500	15.00
5	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2310	462000	15.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2310	462000	15.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2310	462000	15.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2310	462000	15.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2310	462000	15.00
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2310	462000	15.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2310	462000	15.00
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2310	462000	15.00
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2310	462000	15.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2310	462000	15.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2310	462000	15.00
14	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2310	462000	15.00
15	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2310	462000	15.00
11	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2310	462000	15.00
12	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2310	462000	15.00
13	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2310	462000	15.00

N30-ANT4DSI2/5

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2312.5	462500	18.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2310	462000	18.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2307.5	461500	18.50
5	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2310	462000	18.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2310	462000	18.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2310	462000	18.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2310	462000	18.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2310	462000	18.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2310	462000	18.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2310	462000	18.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2310	462000	18.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2310	462000	17.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2310	462000	18.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2310	462000	18.50
14	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2310	462000	18.50
15	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2310	462000	18.50
11	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2310	462000	18.50
12	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2310	462000	18.50
13	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2310	462000	18.50

N30-ANT4DSI3/6

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2312.5	462500	20.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2310	462000	20.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2307.5	461500	20.50
5	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2310	462000	20.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2310	462000	20.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2310	462000	20.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2310	462000	20.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2310	462000	20.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2310	462000	20.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2310	462000	20.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2310	462000	20.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2310	462000	17.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2310	462000	20.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2310	462000	20.50
14	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2310	462000	20.50
15	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2310	462000	20.50
11	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2310	462000	20.50
12	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2310	462000	20.50
13	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2310	462000	20.50

N66-ANT0 DSI1/4/7

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	24.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	23.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	24.50
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	24.50
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	24.50
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	24.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	24.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	23.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	22.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	20.00
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	23.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	22.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.00
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	23.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	23.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	23.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	23.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	24.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	24.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	23.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	24.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	24.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	24.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	24.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	24.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	24.50
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	24.50
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	24.50
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	24.50
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	24.50
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	24.50
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	24.50
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	24.50
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	24.50
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	24.50

N66-ANT0 DSI2/5

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	20.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	20.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	20.00
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	20.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	20.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	20.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	20.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	20.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	20.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	20.00
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	20.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	20.00
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	20.00
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	20.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	20.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	20.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	20.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	20.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	20.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	20.00
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	20.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	20.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	20.00
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	20.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	20.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	20.00
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	20.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	20.00
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	20.00
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	20.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	20.00
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	20.00
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	20.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	20.00
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	20.00

N66-ANT0 DSI3/6/9

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	22.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	22.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	22.50
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	22.50
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	22.50
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	22.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	22.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	22.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	22.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	21.00
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	22.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	22.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	22.00
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	22.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	22.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	22.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	22.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	22.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	22.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	22.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	22.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	22.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	22.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	22.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	22.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	22.50
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	22.50
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	22.50
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	22.50
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	22.50
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	22.50
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	22.50
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	22.50
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	22.50
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	22.50

N66-ANT0 DSI8

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	18.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	18.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	18.00
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	18.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	18.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	18.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	18.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	18.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	18.00
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.00
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	18.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	18.00
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	18.00
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.00
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	18.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	18.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	18.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	18.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	18.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	18.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	18.00
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	18.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	18.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	18.00
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	18.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	18.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	18.00
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	18.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	18.00
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	18.00
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	18.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	18.00
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	18.00
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	18.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	18.00
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	18.00

N66-ANT0 DSI9

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	22.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	22.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	22.00
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	22.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	22.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	22.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	22.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	22.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	20.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	22.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	22.00
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	17.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	22.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	22.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	22.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	22.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	22.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	22.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	22.00
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	22.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	22.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	22.00
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	22.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	22.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	22.00
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	22.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	22.00
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	22.00
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	22.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	22.00
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	22.00
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	22.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	22.00
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	22.00

N66-ANT4 DSI1/4

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	19.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	19.50
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	19.50
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	19.50
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	19.50
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	19.50
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	19.50
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	19.50
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	19.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	19.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	19.50
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	19.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	19.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	17.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	19.50
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	19.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	19.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	19.50
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	19.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	19.50
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	19.50
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	19.50
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	19.50
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	19.50
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	19.50
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	19.50
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	19.50
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	19.50
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	19.50
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	19.50
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	19.50
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	19.50
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	19.50
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	19.50
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	19.50
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	19.50

N66-ANT4 DSI2/5

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	23.00
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	23.00
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	23.00
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	23.00
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	23.00
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	23.00
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	23.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	23.00
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.50
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	19.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	23.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	22.50
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.50
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	23.00
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	23.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	23.00
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	23.00
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	23.00
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	23.00
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	23.00
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	23.00
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	23.00
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	23.00
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	23.00
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	23.00
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	23.00
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	23.00
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	23.00
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	23.00
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	23.00
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	23.00
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	23.00
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	23.00
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	23.00
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	23.00

N66-ANT4 DSI3/6/9

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	23.67
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	23.71
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	23.66
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	23.68
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	23.66
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	23.71
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	23.66
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	22.77
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.18
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	19.21
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	22.40
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	21.90
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	20.39
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	17.16
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	22.67
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	22.61
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	22.60
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	22.56
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	23.67
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	23.62
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	22.68
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	23.70
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	23.64
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	23.62
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	23.69
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	23.66
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	23.66
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	23.71
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	23.68
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	23.69
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	23.70
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	23.70
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	23.68
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	23.70
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	23.70
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	23.69

N66-ANT4 DSI7

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
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	17.29
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	17.32
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	17.28
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	17.22
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	17.21
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	17.25
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	17.28
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	17.27
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	17.24
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	17.26
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	17.24
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	17.30
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	17.28
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	17.21
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	17.28
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	17.23
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	17.22
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	17.18
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	17.22
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	17.18
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	17.29
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	17.24
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	17.20
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	17.19
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	17.23
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	17.21
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	17.22
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	17.25
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	17.22
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	17.23
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	17.24
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	17.24
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	17.22
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	17.24
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	17.24
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	17.23

N66-ANT4 DSI8

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	
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	21.00	20.83
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	21.00	20.87
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	21.00	20.80
4	High	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1760	352000	21.00	20.79
5	Middle	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1745	349000	21.00	20.72
6	Low	15	40	DFT-s-OFDM QPSK	Inner_Full	108_54	1730	346000	21.00	20.77
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	21.00	20.79
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	21.00	20.78
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.00	20.76
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	21.00	19.28
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	21.00	20.76
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	21.00	20.84
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.00	20.31
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.00	17.23
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	21.00	20.78
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	21.00	20.76
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	21.00	20.68
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	21.00	20.70
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	21.00	20.66
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	21.00	20.68
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	21.00	20.76
14	High	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1775	355000	21.00	20.76
15	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1745	349000	21.00	20.71
16	Low	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	1715	343000	21.00	20.70
17	High	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1772.5	354500	21.00	20.75
18	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1745	349000	21.00	20.72
19	Low	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	1717.5	343500	21.00	20.73
17	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	21.00	20.77
18	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	21.00	20.74
19	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	21.00	20.75
17	High	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1767.5	353500	21.00	20.76
18	Middle	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1745	349000	21.00	20.76
19	Low	15	25	DFT-s-OFDM QPSK	Inner_Full	64-32	1722.5	344500	21.00	20.74
17	High	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1765	35300	21.00	20.76
18	Middle	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1745	349000	21.00	20.76
19	Low	15	30	DFT-s-OFDM QPSK	Inner_Full	80_40	1725	345000	21.00	20.75

N77L PC2-ANT3 DSI1/4

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	21.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	21.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	21.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	21.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	21.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	21.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	21.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	21.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	21.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	21.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	21.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	21.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	21.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	21.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	21.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	21.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	21.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	21.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	21.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	21.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	21.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	21.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	21.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	21.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	21.00

N77L PC2-ANT3 DSI2/5

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	24.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	24.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	24.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	24.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	24.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	24.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	24.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	24.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	23.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	24.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	24.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	24.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	21.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	24.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	24.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	24.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	24.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	24.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	24.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	24.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	24.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	24.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	24.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	24.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	24.00

N77L PC2-ANT3 DSI3/6/9

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	25.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	25.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	25.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	25.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	25.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	25.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	25.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	25.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	25.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	25.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	25.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	25.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	25.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	25.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	25.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	25.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	25.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	25.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	25.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	25.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	25.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	25.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	25.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	25.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	25.00

N77L PC2-ANT3 DSI7

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	19.50
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	19.50
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	19.50
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	19.50
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	19.50
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	19.50
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	19.50
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	19.50
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	19.50
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	19.50
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	19.50
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	19.50
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	19.50
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	19.50
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	19.50
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	19.50
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	19.50
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	19.50
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	19.50
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	19.50
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	19.50
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	19.50
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	19.50
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	19.50
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	19.50

N77L PC2-ANT3 DSI8

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	22.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	22.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	22.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	22.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	22.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	22.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	22.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	22.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	22.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	22.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	22.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	22.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	20.50
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	22.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	22.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	22.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	22.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	22.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	22.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	22.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	22.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	22.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	22.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	22.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	22.00

N77L PC2-ANT1 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	25.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	25.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	25.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	25.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	25.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	25.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	25.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	25.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	23.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	25.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	25.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	24.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	21.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	24.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	24.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	24.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	24.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	25.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	25.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	25.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	25.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	25.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	25.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	25.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	25.00

N77L PC2-ANT2 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	25.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	25.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	25.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	25.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	25.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	25.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	25.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	25.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	23.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	25.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	25.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	24.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	21.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	24.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	24.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	24.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	24.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	25.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	25.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	25.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	25.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	25.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	25.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	25.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	25.00

N77L PC2-ANT6 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	23.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	23.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	23.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	23.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	23.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	23.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	22.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	20.50
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	18.50
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	21.50
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	21.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	19.50
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	16.50
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	19.50
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	19.50
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	19.50
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	19.50
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	23.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	23.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	22.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	23.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	23.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	23.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	23.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	23.00

N77H PC2-ANT3 DSI1/4

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	
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	21.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	21.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	21.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	21.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	21.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	21.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	21.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	21.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	21.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	21.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	21.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	21.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	21.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	21.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	21.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	21.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	21.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	21.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	21.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	21.00
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	21.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	21.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	21.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	21.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	21.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	21.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	21.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	21.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	21.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	21.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	21.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	21.00

N77H PC2-ANT3 DSI2/5

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	
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	24.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	24.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	24.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	24.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	24.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	24.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	24.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	24.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	24.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	24.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	24.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	24.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	24.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	24.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	24.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	23.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	24.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	24.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	24.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	20.50
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	24.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	24.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	24.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	24.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	24.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	24.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	24.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	24.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	24.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	24.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	24.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	24.00

N77H PC2-ANT3 DSI3/6/9

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	
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	23.98
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	23.78
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	23.84
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	23.86
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	23.94
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	23.96
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	23.99
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	23.80
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	23.90
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	24.09
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	24.02
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	23.94
1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	23.90
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	23.59
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	22.77
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	21.25
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	23.94
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	23.64
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	21.89
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	19.28
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	22.17
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	22.10
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	22.04
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	22.08
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	23.51
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	23.59
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	22.38
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	23.66
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	23.60
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	23.70
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	23.61
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	23.63

N77H PC2-ANT3 DSI7

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	
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	18.57
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	18.45
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	18.36
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	18.41
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	18.48
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	18.44
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	18.54
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	18.39
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	18.44
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	18.59
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	18.48
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	18.55
1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	18.48
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	18.48
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	18.51
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	18.44
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	18.52
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	18.47
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	18.44
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	18.55
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	18.51
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	18.45
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	18.46
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	18.44
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	18.52
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	18.49
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	18.57
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	18.45
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	18.44
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	18.47
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	18.55
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	18.49

N77H PC2-ANT3 DSI8

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	22.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	22.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	22.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	22.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	22.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	22.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	22.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	22.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	22.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	22.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	22.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	22.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	22.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	22.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	22.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	22.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	22.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	22.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	22.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	22.00
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	22.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	22.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	22.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	22.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	22.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	22.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	22.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	22.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	22.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	22.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	22.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	22.00

N77H PC2-ANT1 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3969.99	664666	25.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3918	661200	25.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3866	657733.3333	25.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3814	654266.6667	25.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3762	650800	25.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3710.01	647334	25.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	25.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	25.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	25.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	25.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	25.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	25.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	25.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	25.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	25.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	23.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	25.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	25.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	23.50
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	20.50
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	24.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	22.46
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	24.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	24.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	25.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	25.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	25.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	25.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	25.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	25.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	25.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	25.00

N77H PC2-ANT2 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3969.99	664666	25.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3918	661200	25.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3866	657733.3333	25.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3814	654266.6667	25.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3762	650800	25.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3710.01	647334	25.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	25.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	25.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	25.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	25.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	25.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	25.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	25.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	25.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	25.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	23.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	25.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	25.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	23.50
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	20.50
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	24.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	24.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	24.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	24.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	25.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	25.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	25.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	25.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	25.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	25.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	25.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	25.00

N77H PC2-ANT6 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3969.99	664666	23.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3918	661200	23.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3866	657733.3333	23.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3814	654266.6667	23.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3762	650800	23.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3710.01	647334	23.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	23.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	23.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	23.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	23.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	23.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	23.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	23.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	22.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	20.50
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	18.50
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	21.50
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	21.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	19.50
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	16.50
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	19.50
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	19.50
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	19.50
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	19.50
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	23.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	23.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	22.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	23.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	23.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	23.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	23.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	23.00

N77L PC3-ANT3 DSI1/4

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	20.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	20.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	20.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	20.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	20.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	20.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	20.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	20.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	20.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	20.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	20.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	20.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	20.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	20.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	20.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	20.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	20.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	20.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	20.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	20.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	20.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	20.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	20.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	20.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	20.00

N77L PC3-ANT3 DSI2/5

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	22.50
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	22.50
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	22.50
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	22.50
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	22.50
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	22.50
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	22.50
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	22.50
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	22.50
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	22.50
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	22.50
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	22.50
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	20.50
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	22.50
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	22.50
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	22.50
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	22.50
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	22.50
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	22.50
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	22.50
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	22.50
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	22.50
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	22.50
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	22.50
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	22.50

N77L PC3-ANT3 DSI3/6/9

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	23.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	23.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	23.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	23.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	23.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	23.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	23.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	23.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	23.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	23.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	23.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	23.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	21.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	23.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	23.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	23.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	23.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	23.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	23.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	23.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	23.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	23.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	23.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	23.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	23.00

N77L PC3-ANT3 DSI7

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	18.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	18.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	18.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	18.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	18.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	18.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	18.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	18.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	18.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	18.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	18.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	18.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	18.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	18.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	18.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	18.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	18.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	18.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	18.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	18.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	18.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	18.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	18.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	18.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	18.00

N77L PC3-ANT3 DSI8

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	21.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	21.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	21.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	21.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	21.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	21.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	21.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	21.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	21.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	21.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	21.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	21.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	21.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	21.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	21.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	21.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	21.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	21.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	21.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	21.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	21.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	21.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	21.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	21.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	21.00

N77L PC3-ANT1 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	22.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	22.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	22.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	22.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	22.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	22.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	22.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	22.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	22.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	22.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	22.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	22.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	20.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	22.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	22.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	22.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	22.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	22.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	22.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	22.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	22.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	22.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	22.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	22.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	22.00

N77L PC3-ANT2 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	22.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	22.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	22.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	22.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	22.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	22.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	22.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	22.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	22.00
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	22.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	22.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	22.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	22.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	22.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	22.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	22.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	22.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	22.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	22.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	22.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	22.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	22.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	22.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	22.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	22.00

N77L PC3-ANT6 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	20.00
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	20.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	20.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3499.98	633332	20.00
8	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3500.01	633334	20.00
1	Middle	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3500.01	633334	20.00
2	Middle	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	20.00
3	Middle	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	20.00
4	Middle	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	18.50
5	Middle	30	100	CP-OFDM QPSK	Inner_Full	135-67	3500.01	633334	20.00
6	Middle	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3500.01	633334	20.00
7	Middle	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3500.01	633334	19.00
8	Middle	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3500.01	633334	16.00
1	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3500.01	633334	20.00
6	Middle	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	20.00
9	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3500.01	633334	20.00
10	Middle	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	20.00
11	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3500.01	633334	20.00
12	Middle	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	20.00
13	Middle	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3500.01	633334	20.00
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3500.01	633334	20.00
19	Middle-5	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3500.01	633334	20.00
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3500.01	633334	20.00
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3500.01	633334	20.00
23	Middle-5	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3500.01	633334	20.00

N77H PC3-ANT3 DSI1/4

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	
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	20.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	20.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	20.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	20.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	20.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	20.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	20.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	20.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	20.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	20.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	20.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	20.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	20.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	20.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	20.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	20.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	20.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	20.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	20.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	20.00
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	20.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	20.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	20.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	20.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	20.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	20.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	20.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	20.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	20.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	20.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	20.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	20.00

N77H PC3-ANT3 DSI2/5

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	
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	22.50
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	22.50
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	22.50
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	22.50
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	22.50
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	22.50
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	22.50
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	22.50
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	22.50
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	22.50
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	22.50
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	22.50

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	22.50
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	22.50
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	22.50
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	22.50
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	22.50
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	22.50
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	22.50
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	20.50
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	22.50
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	22.50
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	22.50
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	22.50
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	22.50
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	22.50
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	22.50
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	22.50
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	22.50
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	22.50
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	22.50
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	22.50

N77H PC3-ANT3 DSI3/6/9

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	
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	23.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	23.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	23.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	23.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	23.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	23.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	23.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	23.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	23.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	23.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	23.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	23.00
1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	23.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	23.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	23.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	23.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	23.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	23.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	23.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	20.50
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	23.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	23.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	23.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	23.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	23.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	23.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	23.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	23.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	23.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	23.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	23.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	23.00

N77H PC3-ANT3 DSI7

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	
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	18.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	18.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	18.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	18.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	18.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	18.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	18.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	18.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	18.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	18.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	18.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	18.00
1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	18.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	18.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	18.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	18.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	18.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	18.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	18.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	18.00
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	18.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	18.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	18.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	18.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	18.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	18.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	18.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	18.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	18.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	18.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	18.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	18.00

N77H PC3-ANT3 DSI8

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3969.99	664666	21.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3918	661200	21.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3866	657733.3333	21.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3814	654266.6667	21.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3762	650800	21.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25-12	3710.01	647334	21.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	21.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	21.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	21.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	21.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	21.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	21.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	21.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	21.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	21.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	21.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	21.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	21.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	21.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	21.00
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	21.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	21.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	21.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	21.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	21.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	21.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	21.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	21.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	21.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	21.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	21.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	21.00

N77H PC3-ANT1 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3969.99	664666	22.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3918	661200	22.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3866	657733.3333	22.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3814	654266.6667	22.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3762	650800	22.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3710.01	647334	22.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	22.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	22.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	22.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	22.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	22.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	22.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	22.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	22.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	22.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	22.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	22.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	22.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	22.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	21.00
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	22.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	22.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	22.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	22.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	22.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	22.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	22.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	22.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	22.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	22.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	22.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	22.00

N77H PC3-ANT2 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3969.99	664666	22.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3918	661200	22.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3866	657733.3333	22.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3814	654266.6667	22.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3762	650800	22.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3710.01	647334	22.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	22.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	22.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	22.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	22.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	22.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	22.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	22.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	22.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	22.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	22.00
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	22.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	22.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	22.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	22.00
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	22.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	22.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	22.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	22.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	22.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	22.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	22.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	22.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	22.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	22.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	22.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	22.00

N77H PC3-ANT6 DSI1/2/3/4/5/6

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
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3969.99	664666	20.00
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3918	661200	20.00
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3866	657733.3333	20.00
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3814	654266.6667	20.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3762	650800	20.00
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	45651	3710.01	647334	20.00
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3930	662000	20.00
8	Middle-1	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3894	659600	20.00
9	Middle-2	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3858	657200	20.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3822	654800	20.00
11	Middle-4	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3786	652400	20.00
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135-67	3750	650000	20.00

1	Middle-3	30	100	DFT-s-OFDM PI/2 BPSK1	Inner_Full	135-67	3822	654800	20.00
2	Middle-3	30	100	DFT-s-OFDM 16QAM	Inner_Full	135-67	3822	654800	20.00
3	Middle-3	30	100	DFT-s-OFDM 64QAM	Inner_Full	135-67	3822	654800	20.00
4	Middle-3	30	100	DFT-s-OFDM 256QAM	Inner_Full	135-67	3822	654800	18.50
5	Middle-3	30	100	CP-OFDM QPSK	Inner_Full	135-67	3822	654800	20.00
6	Middle-3	30	100	CP-OFDM 16QAM	Inner_Full	135-67	3822	654800	20.00
7	Middle-3	30	100	CP-OFDM 64QAM	Inner_Full	135-67	3822	654800	20.00
8	Middle-3	30	100	CP-OFDM 256QAM	Inner_Full	135-67	3822	654800	17.00
9	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Right	2_271	3822	654800	20.00
10	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3822	654800	20.00
14	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Right	1_272	3822	654800	20.00
15	Middle-3	30	100	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3822	654800	20.00
11	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Right	1_271	3822	654800	20.00
12	Middle-3	30	100	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3822	654800	20.00
13	Middle-3	30	100	DFT-s-OFDM QPSK	Outer_Full	270_0	3822	654800	20.00
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50-25	3918	661200	20.00
17	Middle-1	30	50	DFT-s-OFDM QPSK	Inner_Full	64-32	3918	661200	20.00
18	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81-40	3918	661200	20.00
19	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108-54	3918	661200	20.00
20	Middle-1	30	90	DFT-s-OFDM QPSK	Inner_Full	120-60	3918	661200	20.00

11 SAR Test Result

Note:

KDB 447498 D01 General RF Exposure Guidance:

For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor

For BT/WLAN: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor

Testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz

≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz

≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

KDB 648474 D04 Handset SAR:

With headset attached, when the reported SAR for body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

KDB 941225 D01 SAR test for 3G devices:

When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% 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 for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel.

Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are > 0.8 W/kg. Testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation < 1.45 W/kg.

Testing for 16-QAM modulation is not required because the reported SAR for QPSK is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of QPSK.

Testing for the other channel bandwidths is not required because the reported SAR for the highest channel bandwidth is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of the highest channel bandwidth.

For LTE bands that do not support at least three non-overlapping channels in certain channel bandwidths, test the available non-overlapping channels instead. When a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the

group of overlapping channels should be selected for testing; therefore, the requirement for H, M and L channels may not fully apply.

KDB 248227 D01 SAR meas for 802.11:

SAR test reduction for 802.11 Wi-Fi transmission mode configurations are considered separately for DSSS and OFDM. An initial test position is determined to reduce the number of tests required for certain exposure configurations with multiple test positions. An initial test configuration is determined for each frequency band and aggregated band according to maximum output power, channel bandwidth, wireless mode configurations and other operating parameters to streamline the measurement requirements. For 2.4 GHz DSSS, either the initial test position or DSSS procedure is applied to reduce the number of SAR tests; these are mutually exclusive. For OFDM, an initial test position is only applicable to next to the ear, UMPC mini-tablet and hotspot mode configurations, which is tested using the initial test configuration to facilitate test reduction. For other exposure conditions with a fixed test position, SAR test reduction is determined using only the initial test configuration.

To determine the initial test position, Area Scans were performed to determine the position with the Maximum Value of SAR (measured). The position that produced the highest Maximum Value of SAR is considered the worst case position; thus used as the initial test position.

The multiple test positions require SAR measurements in head, hotspot mode or UMPC mini-tablet configurations may be reduced according to the highest reported SAR determined using the initial test position(s) by applying the DSSS or OFDM SAR measurement procedures in the required wireless mode test configuration(s). The initial test position(s) is measured using the highest measured maximum output power channel in the required wireless mode test configuration(s). When the reported SAR for the initial test position is:

≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures. > 0.4 W/kg, SAR is repeated using the same wireless mode test configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions are tested.

- For subsequent test positions with equivalent test separation distance or when exposure is dominated by coupling conditions, the position for maximum coupling condition should be tested.
- When it is unclear, all equivalent conditions must be tested.

For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required test channels are considered.

- The additional power measurements required for this step should be limited to those necessary for identifying subsequent highest output power channels to apply the test reduction.

When the specified maximum output power is the same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the reported SAR for UNII 2A is ≤ 1.2 W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.

When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with

the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is ≤ 1.2 W/kg, testing for the band with the lower specified output power is not required; otherwise test the remaining bands independently for SAR.

Table 15.1: Duty Cycle

Mode	Duty Cycle
Speech for GSM	1:8.3
GPRS&EGPRS 1 Slot	1:8.3
GPRS&EGPRS 2 Slot	1:4
GPRS&EGPRS 3 Slot	1:2.67
GPRS&EGPRS 4 Slot	1:2
WCDMA<E FDD	1:1
TDD PC3	1:1.58
TDD PC2	1:2.31

11.1 SAR results for 3G/4G

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
0	Head	WCDMA1900	9400	1880	\	RMC	Cheek Left	0mm	\	23.36	24	0.114	0.13	0.075	0.09	0.15
0	Head	WCDMA1900	9400	1880	\	RMC	Tilt Left	0mm	\	23.36	24	0.072	0.08	0.046	0.05	0.14
0	Head	WCDMA1900	9400	1880	\	RMC	Cheek Right	0mm	\	23.36	24	0.096	0.11	0.063	0.07	0.09
0	Head	WCDMA1900	9400	1880	\	RMC	Tilt Right	0mm	\	23.36	24	0.066	0.08	0.044	0.05	0.08
0	Head	WCDMA1900	9538	1907.6	\	RMC	Cheek Left	0mm	\	23.31	24	0.103	0.12	0.069	0.08	0.08
0	Head	WCDMA1900	9262	1852.4	\	RMC	Cheek Left	0mm	F.1	23.27	24	0.146	0.17	0.096	0.11	0.16
0	Hotspot	WCDMA1900	9400	1880	\	RMC	Front	10mm	\	19.91	20.5	0.348	0.40	0.206	0.24	0.12
0	Hotspot	WCDMA1900	9400	1880	\	RMC	Rear	10mm	\	19.91	20.5	0.44	0.50	0.251	0.29	0.05
0	Hotspot	WCDMA1900	9400	1880	\	RMC	Left	10mm	\	19.91	20.5	0.137	0.16	0.082	0.09	-0.09
0	Hotspot	WCDMA1900	9400	1880	\	RMC	Right	10mm	\	19.91	20.5	0.046	0.05	0.027	0.03	0.14
0	Hotspot	WCDMA1900	9400	1880	\	RMC	Bottom	10mm	\	19.91	20.5	0.694	0.79	0.392	0.45	0.01
0	Hotspot	WCDMA1900	9400	1880	\	RMC	Top	10mm	\	19.91	20.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	WCDMA1900	9538	1907.6	\	RMC	Bottom	10mm	\	19.86	20.5	0.613	0.71	0.341	0.40	0
0	Hotspot	WCDMA1900	9262	1852.4	\	RMC	Bottom	10mm	F.2	19.88	20.5	0.87	1.00	0.463	0.53	0.17
0	BodyWorn	WCDMA1900	9400	1880	\	RMC	Front	15mm	\	23.36	24	0.479	0.56	0.292	0.34	0.14
0	BodyWorn	WCDMA1900	9400	1880	\	RMC	Rear	15mm	\	23.36	24	0.493	0.57	0.294	0.34	0.12
0	BodyWorn	WCDMA1900	9538	1907.6	\	RMC	Rear	15mm	\	23.31	24	0.45	0.53	0.27	0.32	0.04
0	BodyWorn	WCDMA1900	9262	1852.4	\	RMC	Rear	15mm	\	23.27	24	0.626	0.74	0.37	0.44	-0.18
0	Head	WCDMA1700	1412	1732.4	\	RMC	Cheek Left	0mm	\	23.41	24	0.074	0.08	0.05	0.06	0
0	Head	WCDMA1700	1412	1732.4	\	RMC	Tilt Left	0mm	\	23.41	24	<0.01	<0.01	<0.01	<0.01	\
0	Head	WCDMA1700	1412	1732.4	\	RMC	Cheek Right	0mm	\	23.41	24	0.103	0.12	0.067	0.08	-0.08
0	Head	WCDMA1700	1412	1732.4	\	RMC	Tilt Right	0mm	\	23.41	24	<0.01	<0.01	<0.01	<0.01	\
0	Head	WCDMA1700	1513	1752.6	\	RMC	Cheek Right	0mm	F.3	23.48	24	0.13	0.15	0.085	0.10	0.11
0	Head	WCDMA1700	1312	1712.4	\	RMC	Cheek Right	0mm	\	23.34	24	0.069	0.08	0.059	0.07	-0.11
0	Hotspot	WCDMA1700	1412	1732.4	\	RMC	Front	10mm	\	19.04	20	0.294	0.37	0.169	0.21	0.02
0	Hotspot	WCDMA1700	1412	1732.4	\	RMC	Rear	10mm	\	19.04	20	0.557	0.69	0.303	0.38	0.11
0	Hotspot	WCDMA1700	1412	1732.4	\	RMC	Left	10mm	\	19.04	20	0.02	0.02	0.013	0.02	0.1
0	Hotspot	WCDMA1700	1412	1732.4	\	RMC	Right	10mm	\	19.04	20	0.044	0.05	0.026	0.03	-0.07
0	Hotspot	WCDMA1700	1412	1732.4	\	RMC	Bottom	10mm	\	19.04	20	0.816	1.02	0.441	0.55	-0.14
0	Hotspot	WCDMA1700	1412	1732.4	\	RMC	Top	10mm	\	19.04	20	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	WCDMA1700	1513	1752.6	\	RMC	Bottom	10mm	\	19.21	20	0.809	0.97	0.437	0.52	-0.17
0	Hotspot	WCDMA1700	1312	1712.4	\	RMC	Bottom	10mm	\	19.15	20	0.758	0.92	0.412	0.50	-0.11
0	BodyWorn	WCDMA1700	1412	1732.4	\	RMC	Front	15mm	\	22.17	23	0.51	0.62	0.304	0.37	0.04
0	BodyWorn	WCDMA1700	1412	1732.4	\	RMC	Rear	15mm	\	22.21	23	0.902	1.08	0.518	0.62	0
0	BodyWorn	WCDMA1700	1513	1752.6	\	RMC	Rear	15mm	F.4	22.17	23	0.927	1.12	0.541	0.65	-0.01
0	BodyWorn	WCDMA1700	1312	1712.4	\	RMC	Rear	15mm	\	22.32	23	0.895	1.05	0.521	0.61	0.04
0	Head	WCDMA 850	4183	836.6	\	RMC	Cheek Left	0mm	\	23.34	24	0.193	0.22	0.147	0.17	-0.12
0	Head	WCDMA 850	4183	836.6	\	RMC	Tilt Left	0mm	\	23.34	24	0.105	0.12	0.083	0.10	0.02
0	Head	WCDMA 850	4183	836.6	\	RMC	Cheek Right	0mm	F.5	23.34	24	0.22	0.26	0.171	0.20	0.12
0	Head	WCDMA 850	4183	836.6	\	RMC	Tilt Right	0mm	\	23.34	24	0.105	0.12	0.086	0.10	0.05
0	Head	WCDMA 850	4233	846.6	\	RMC	Cheek Right	0mm	\	23.12	24	0.207	0.25	0.162	0.20	0
0	Head	WCDMA 850	4132	826.4	\	RMC	Cheek Right	0mm	\	23.15	24	0.206	0.25	0.16	0.19	-0.13
0	Hotspot	WCDMA 850	4183	836.6	\	RMC	Front	10mm	\	23.34	24	0.233	0.27	0.172	0.20	0.01
0	Hotspot	WCDMA 850	4183	836.6	\	RMC	Rear	10mm	\	23.34	24	0.311	0.36	0.197	0.23	0.06
0	Hotspot	WCDMA 850	4183	836.6	\	RMC	Left	10mm	\	23.34	24	0.109	0.13	0.072	0.08	0.1
0	Hotspot	WCDMA 850	4183	836.6	\	RMC	Right	10mm	\	23.34	24	0.201	0.23	0.133	0.15	-0.17
0	Hotspot	WCDMA 850	4183	836.6	\	RMC	Bottom	10mm	\	23.34	24	0.075	0.09	0.04	0.05	0.19
0	Hotspot	WCDMA 850	4183	836.6	\	RMC	Top	10mm	\	23.34	24	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	WCDMA 850	4233	846.6	\	RMC	Rear	10mm	F.6	23.12	24	0.334	0.41	0.205	0.25	-0.02
0	Hotspot	WCDMA 850	4132	826.4	\	RMC	Rear	10mm	\	23.15	24	0.291	0.35	0.18	0.22	0.12
0	BodyWorn	WCDMA 850	4183	836.6	\	RMC	Front	15mm	\	23.34	24	0.258	0.30	0.197	0.23	-0.19
0	BodyWorn	WCDMA 850	4183	836.6	\	RMC	Rear	15mm	\	23.34	24	0.283	0.33	0.218	0.25	-0.1
0	BodyWorn	WCDMA 850	4233	846.6	\	RMC	Rear	15mm	\	23.12	24	0.301	0.37	0.231	0.28	-0.06
0	BodyWorn	WCDMA 850	4132	826.4	\	RMC	Rear	15mm	\	23.15	24	0.256	0.31	0.197	0.24	0.19
0	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Cheek Left	0mm	\	23.56	24.5	0.157	0.19	0.099	0.12	0.15
0	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Tilt Left	0mm	\	23.56	24.5	0.118	0.15	0.076	0.09	-0.17
0	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Cheek Right	0mm	\	23.56	24.5	0.178	0.22	0.114	0.14	0.18
0	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Tilt Right	0mm	\	23.56	24.5	0.131	0.16	0.086	0.11	0.1
0	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Cheek Left	0mm	\	22.54	23.5	0.125	0.16	0.082	0.10	0.17
0	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Tilt Left	0mm	\	22.54	23.5	0.096	0.12	0.062	0.08	-0.16
0	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Cheek Right	0mm	\	22.54	23.5	0.14	0.17	0.09	0.11	0.12
0	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Tilt Right	0mm	\	22.54	23.5	0.101	0.13	0.065	0.08	0.03
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Front	10mm	\	19.63	20.5	0.323	0.39	0.2	0.24	-0.13
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Rear	10mm	\	19.63	20.5	0.37	0.45	0.209	0.26	-0.15
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Left	10mm	\	19.63	20.5	0.107	0.13	0.067	0.08	-0.14
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Right	10mm	\	19.63	20.5	0.071	0.09	0.044	0.05	-0.03
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Bottom	10mm	\	19.63	20.5	0.747	0.91	0.418	0.51	0.15
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Top	10mm	\	19.63	20.5	0.061	0.07	0.033	0.04	0.04
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Front	10mm	\	18.69	19.5	0.246	0.30	0.151	0.18	-0.14
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Rear	10mm	\	18.69	19.5	0.283	0.34	0.161	0.19	-0.07
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Left	10mm	\	18.69	19.5	0.083	0.10	0.052	0.06	0.05
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Right	10mm	\	18.69	19.5	0.06	0.07	0.038	0.05	-0.14
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Bottom	10mm	\	18.69	19.5	0.612	0.74	0.342	0.41	0.16
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Top	10mm	\	18.69	19.5	0.039	0.05	0.021	0.03	0.01
0	Hotspot	LTE B2	19100	1900	1RB-Middle	QPSK	Bottom	10mm	\	19.51	20.5	0.759	0.95	0.414	0.52	-0.01
0	Hotspot	LTE B2	18700	1860	1RB-Middle	QPSK	Bottom	10mm	\	19.52	20.5	0.894	1.12	0.483	0.61	-0.15
0	Hotspot	LTE B2	18700	1860	100RB	QPSK	Bottom	10mm	\	18.64	19.5	0.6	0.73	0.339	0.41	0.18
0	BodyWorn	LTE B2	18900	1880	1RB-Middle	QPSK	Front	15mm	\	23.56	24.5	0.559	0.69	0.332	0.41	0.16
0	BodyWorn	LTE B2	18900	1880	1RB-Middle	QPSK	Rear	15mm	\	23.56	24.5	0.562	0.70	0.336	0.42	0.12
0	BodyWorn	LTE B2	18900	1880	50RB-Middle	QPSK	Front	15mm	\	22.54	23.5	0.454	0.57	0.269	0.34	-0.19
0	BodyWorn	LTE B2	18900	1880	50RB-Middle	QPSK	Rear	15mm	\	22.54	23.5	0.44	0.55	0.266	0.33	-0.09
4	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Cheek Left	0mm	\	19.14	19.5	0.575	0.62	0.305	0.33	0.17
4	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Tilt Left	0mm	\	19.14	19.5	0.671	0.73	0.345	0.37	0.



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4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Front	10mm	\	22.13	23.5	0.41	0.56	0.228	0.31	0.08
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Rear	10mm	F.8	22.13	23.5	0.859	1.18	0.46	0.63	-0.18
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Left	10mm	\	22.13	23.5	0.23	0.32	0.131	0.18	0.15
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Right	10mm	\	22.13	23.5	0.147	0.20	0.083	0.11	0.07
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Bottom	10mm	\	22.13	23.5	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Top	10mm	\	22.13	23.5	0.687	0.94	0.351	0.48	0.05
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Front	10mm	\	21.09	22.5	0.326	0.45	0.179	0.25	0.15
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Rear	10mm	\	21.09	22.5	0.664	0.92	0.345	0.48	0.03
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Left	10mm	\	21.09	22.5	0.183	0.25	0.103	0.14	0.18
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Right	10mm	\	21.09	22.5	0.087	0.12	0.049	0.07	-0.17
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Bottom	10mm	\	21.09	22.5	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Top	10mm	\	21.09	22.5	0.547	0.76	0.277	0.38	-0.02
4	Hotspot	LTE B2	19100	1900	1RB-Middle	QPSK	Rear	10mm	\	22.05	23.5	0.832	1.16	0.444	0.62	-0.07
4	Hotspot	LTE B2	18700	1860	1RB-Middle	QPSK	Rear	10mm	\	22.08	23.5	0.838	1.16	0.451	0.63	0.15
4	Hotspot	LTE B2	18900	1880	100RB	QPSK	Rear	10mm	\	21.01	22.5	0.651	0.92	0.339	0.48	-0.15
4	BodyWorn	LTE B2	18900	1880	1RB-Middle	QPSK	Front	15mm	\	22.13	23.5	0.338	0.46	0.188	0.26	0.04
4	BodyWorn	LTE B2	18900	1880	1RB-Middle	QPSK	Rear	15mm	\	22.13	23.5	0.606	0.83	0.324	0.44	-0.09
4	BodyWorn	LTE B2	18900	1880	50RB-Middle	QPSK	Front	15mm	\	21.09	22.5	0.27	0.37	0.148	0.20	-0.02
4	BodyWorn	LTE B2	18900	1880	50RB-Middle	QPSK	Rear	15mm	\	21.09	22.5	0.508	0.70	0.267	0.37	-0.15
4	BodyWorn	LTE B2	19100	1900	1RB-Middle	QPSK	Rear	15mm	\	22.05	23.5	0.586	0.82	0.308	0.43	0.14
4	BodyWorn	LTE B2	18700	1860	1RB-Middle	QPSK	Rear	15mm	\	22.08	23.5	0.579	0.80	0.302	0.42	-0.05
4	BodyWorn	LTE B2	18700	1860	100RB	QPSK	Rear	15mm	\	21.06	22.5	0.497	0.69	0.26	0.36	0.08
0	Head	LTE B4	20175	1732.5	1RB-Middle	QPSK	Cheek Left	0mm	\	23.48	24.5	0.062	0.08	0.043	0.05	0.18
0	Head	LTE B4	20175	1732.5	1RB-Middle	QPSK	Tilt Left	0mm	\	23.48	24.5	<0.01	<0.01	<0.01	<0.01	\
0	Head	LTE B4	20175	1732.5	1RB-Middle	QPSK	Cheek Right	0mm	F.9	23.48	24.5	0.117	0.15	0.075	0.09	0.12
0	Head	LTE B4	20175	1732.5	1RB-Middle	QPSK	Tilt Right	0mm	\	23.48	24.5	<0.01	<0.01	<0.01	<0.01	\
0	Head	LTE B4	20175	1732.5	50RB-Middle	QPSK	Cheek Left	0mm	\	22.47	23.5	<0.01	<0.01	<0.01	<0.01	\
0	Head	LTE B4	20175	1732.5	50RB-Middle	QPSK	Tilt Left	0mm	\	22.47	23.5	<0.01	<0.01	<0.01	<0.01	\
0	Head	LTE B4	20175	1732.5	50RB-Middle	QPSK	Cheek Right	0mm	\	22.47	23.5	0.092	0.12	0.06	0.08	0.02
0	Head	LTE B4	20175	1732.5	50RB-Middle	QPSK	Tilt Right	0mm	\	22.47	23.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B4	20175	1732.5	1RB-Middle	QPSK	Front	10mm	\	19.21	20	0.298	0.36	0.175	0.21	-0.01
0	Hotspot	LTE B4	20175	1732.5	1RB-Middle	QPSK	Rear	10mm	\	19.21	20	0.554	0.66	0.319	0.38	-0.15
0	Hotspot	LTE B4	20175	1732.5	1RB-Middle	QPSK	Left	10mm	\	19.21	20	0.033	0.04	0.023	0.03	0.16
0	Hotspot	LTE B4	20175	1732.5	1RB-Middle	QPSK	Right	10mm	\	19.21	20	0.08	0.10	0.05	0.06	0.01
0	Hotspot	LTE B4	20175	1732.5	1RB-Middle	QPSK	Bottom	10mm	\	19.21	20	0.809	0.97	0.455	0.55	0.13
0	Hotspot	LTE B4	20175	1732.5	1RB-Middle	QPSK	Top	10mm	\	19.21	20	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B4	20175	1732.5	50RB-Middle	QPSK	Front	10mm	\	18	19	0.207	0.26	0.121	0.15	0.15
0	Hotspot	LTE B4	20175	1732.5	50RB-Middle	QPSK	Rear	10mm	\	18	19	0.459	0.58	0.258	0.32	0.04
0	Hotspot	LTE B4	20175	1732.5	50RB-Middle	QPSK	Left	10mm	\	18	19	0.026	0.03	0.018	0.02	-0.16
0	Hotspot	LTE B4	20175	1732.5	50RB-Middle	QPSK	Right	10mm	\	18	19	0.062	0.08	0.04	0.05	0.11
0	Hotspot	LTE B4	20175	1732.5	50RB-Middle	QPSK	Bottom	10mm	\	18	19	0.611	0.77	0.341	0.43	-0.03
0	Hotspot	LTE B4	20175	1732.5	50RB-Middle	QPSK	Top	10mm	\	18	19	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B4	20300	1745	1RB-Middle	QPSK	Bottom	10mm	\	19.18	20	0.868	1.05	0.476	0.57	-0.03
0	Hotspot	LTE B4	20050	1720	1RB-Middle	QPSK	Bottom	10mm	\	19.18	20	0.812	0.98	0.447	0.54	-0.11
0	Hotspot	LTE B4	20300	1745	100RB	QPSK	Bottom	10mm	\	17.96	19	0.597	0.76	0.337	0.43	0
0	BodyWorn	LTE B4	20175	1732.5	1RB-Middle	QPSK	Front	15mm	\	21.44	22.5	0.446	0.57	0.238	0.30	0.18
0	BodyWorn	LTE B4	20175	1732.5	1RB-Middle	QPSK	Rear	15mm	\	21.44	22.5	0.852	1.09	0.438	0.56	0.1
0	BodyWorn	LTE B4	20175	1732.5	50RB-Middle	QPSK	Front	15mm	\	20.16	21.5	0.375	0.51	0.202	0.28	0.08
0	BodyWorn	LTE B4	20175	1732.5	50RB-Middle	QPSK	Rear	15mm	\	20.16	21.5	0.693	0.94	0.36	0.49	-0.13
0	BodyWorn	LTE B4	20300	1745	1RB-Middle	QPSK	Rear	15mm	F.10	21.32	22.5	0.858	1.13	0.443	0.58	0.02
0	BodyWorn	LTE B4	20050	1720	1RB-Middle	QPSK	Rear	15mm	\	21.29	22.5	0.844	1.12	0.434	0.57	-0.05
0	BodyWorn	LTE B4	20050	1720	100RB	QPSK	Rear	15mm	\	20.14	21.5	0.681	0.93	0.352	0.48	0.16
0	Head	LTE B5	20525	836.5	1RB-Middle	QPSK	Cheek Left	0mm	\	24.17	25	0.292	0.35	0.228	0.28	0.12
0	Head	LTE B5	20525	836.5	1RB-Middle	QPSK	Tilt Left	0mm	\	24.17	25	0.162	0.20	0.132	0.16	0.1
0	Head	LTE B5	20525	836.5	1RB-Middle	QPSK	Cheek Right	0mm	F.11	24.17	25	0.341	0.41	0.267	0.32	0.1
0	Head	LTE B5	20525	836.5	1RB-Middle	QPSK	Tilt Right	0mm	\	24.17	25	0.158	0.19	0.13	0.16	-0.11
0	Head	LTE B5	20525	836.5	25RB-Middle	QPSK	Cheek Left	0mm	\	23.04	24	0.236	0.29	0.185	0.23	-0.04
0	Head	LTE B5	20525	836.5	25RB-Middle	QPSK	Tilt Left	0mm	\	23.04	24	0.127	0.16	0.103	0.13	0.09
0	Head	LTE B5	20525	836.5	25RB-Middle	QPSK	Cheek Right	0mm	\	23.04	24	0.264	0.33	0.208	0.26	0.04
0	Head	LTE B5	20525	836.5	25RB-Middle	QPSK	Tilt Right	0mm	\	23.04	24	0.128	0.16	0.106	0.13	0.06
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Front	10mm	\	24.17	25	0.31	0.38	0.223	0.27	0.19
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Rear	10mm	F.12	24.17	25	0.385	0.47	0.241	0.29	-0.14
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Left	10mm	\	24.17	25	0.239	0.29	0.156	0.19	-0.06
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Right	10mm	\	24.17	25	0.311	0.38	0.203	0.25	-0.09
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Bottom	10mm	\	24.17	25	0.692	0.86	0.406	0.48	0.04
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Top	10mm	\	24.17	25	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Front	10mm	\	23.04	24	0.233	0.29	0.169	0.21	0.16
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Rear	10mm	\	23.04	24	0.315	0.39	0.198	0.25	0.07
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Left	10mm	\	23.04	24	0.193	0.24	0.126	0.16	0.07
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Right	10mm	\	23.04	24	0.246	0.31	0.162	0.20	-0.15
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Bottom	10mm	\	23.04	24	0.058	0.07	0.032	0.04	0.01
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Top	10mm	\	23.04	24	<0.01	<0.01	<0.01	<0.01	\
0	BodyWorn	LTE B5	20525	836.5	1RB-Middle	QPSK	Front	15mm	\	24.17	25	0.239	0.29	0.183	0.22	0.08
0	BodyWorn	LTE B5	20525	836.5	1RB-Middle	QPSK	Rear	15mm	\	24.17	25	0.277	0.34	0.213	0.26	0.04
0	BodyWorn	LTE B5	20525	836.5	25RB-Middle	QPSK	Front	15mm	\	23.04	24	0.199	0.25	0.152	0.19	0.02
0	BodyWorn	LTE B5	20525	836.5	25RB-Middle	QPSK	Rear	15mm	\	23.04	24	0.224	0.28	0.172	0.21	-0.01
0	Head	LTE B7	21100	2535	1RB-Middle	QPSK	Cheek Left	0mm	F.13	22.79	23.5	0.053	0.06	0.028	0.03	0.19
0	Head	LTE B7	21100	2535	1RB-Middle	QPSK	Tilt Left	0mm	\	22.79	23.5	<0.01	<0.01	<0.01	<0.01	\
0	Head	LTE B7	21100	2535	1RB-Middle	QPSK	Cheek Right	0mm	\	22.79	23.5	0.042	0.05	0.022	0.03	-0.04
0	Head	LTE B7	21100	2535	1RB-Middle	QPSK	Tilt Right	0mm	\	22.79	23.5	<0.01	<0.01	<0.01	<0.01	\
0	Head	LTE B7	21100	2535	50RB-Middle	QPSK	Cheek Left	0mm	\	21.78	22.5	0.041	0.05	0.023	0.03	-0.15
0	Head	LTE B7	21100	2535	50RB-Middle	QPSK	Tilt Left	0mm	\	21.78	22.5	<0.01	<0.01	<0.01	<0.01	\
0	Head	LTE B7	21100	2535	50RB-Middle	QPSK	Cheek Right	0mm	\	21.78	22.5	0.034	0.04	0.016	0.02	0
0	Head	LTE B7	21100	2535	50RB-Middle	QPSK	Tilt Right	0mm	\	21.78						

0	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Cheek Left	0mm	\	24.21	25	0.273	0.33	0.216	0.26	-0.02
0	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Tilt Left	0mm	\	24.21	25	0.164	0.20	0.133	0.16	0.11
0	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Cheek Right	0mm	\	24.21	25	0.304	0.36	0.24	0.29	0.1
0	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Tilt Right	0mm	\	24.21	25	0.165	0.20	0.135	0.16	-0.01
0	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Cheek Left	0mm	\	23.11	24	0.272	0.33	0.213	0.26	-0.05
0	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Tilt Left	0mm	\	23.11	24	0.124	0.15	0.1	0.12	0.08
0	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Cheek Right	0mm	\	23.11	24	0.229	0.28	0.18	0.22	-0.08
0	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Tilt Right	0mm	\	23.11	24	0.134	0.16	0.109	0.13	0.11
0	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Front	10mm	\	24.21	25	0.29	0.35	0.226	0.27	0.13
0	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Rear	10mm	F.16	24.21	25	0.386	0.46	0.302	0.36	0.01
0	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Left	10mm	\	24.21	25	0.314	0.38	0.229	0.27	-0.05
0	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Right	10mm	\	24.21	25	0.377	0.45	0.277	0.33	-0.03
0	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Bottom	10mm	\	24.21	25	0.065	0.08	0.039	0.05	0.11
0	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Top	10mm	\	24.21	25	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Front	10mm	\	23.11	24	0.222	0.27	0.176	0.22	-0.12
0	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Rear	10mm	\	23.11	24	0.306	0.38	0.242	0.30	-0.06
0	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Left	10mm	\	23.11	24	0.253	0.31	0.181	0.22	-0.18
0	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Right	10mm	\	23.11	24	0.291	0.36	0.213	0.26	-0.12
0	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Bottom	10mm	\	23.11	24	0.058	0.07	0.033	0.04	0.07
0	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Top	10mm	\	23.11	24	<0.01	<0.01	<0.01	<0.01	\
0	BodyWorn	LTE B12	23095	707.5	1RB-Middle	QPSK	Front	15mm	\	24.21	25	0.328	0.39	0.251	0.30	0.06
0	BodyWorn	LTE B12	23095	707.5	1RB-Middle	QPSK	Rear	15mm	\	24.21	25	0.365	0.44	0.286	0.34	0.09
0	BodyWorn	LTE B12	23095	707.5	25RB-Middle	QPSK	Front	15mm	\	23.11	24	0.238	0.29	0.183	0.22	-0.09
0	BodyWorn	LTE B12	23095	707.5	25RB-Middle	QPSK	Rear	15mm	\	23.11	24	0.287	0.35	0.223	0.27	-0.11
4	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Cheek Left	0mm	\	24.36	25	0.219	0.25	0.14	0.16	0.02
4	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Tilt Left	0mm	\	24.36	25	0.323	0.37	0.178	0.21	-0.13
4	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Cheek Right	0mm	\	24.36	25	0.441	0.51	0.212	0.25	-0.05
4	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Tilt Right	0mm	F.15	24.36	25	0.453	0.52	0.23	0.27	-0.01
4	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Cheek Left	0mm	\	23.31	24	0.218	0.26	0.132	0.15	-0.12
4	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Tilt Left	0mm	\	23.31	24	0.22	0.26	0.123	0.14	0.07
4	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Cheek Right	0mm	\	23.31	24	0.354	0.41	0.184	0.22	0.19
4	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Tilt Right	0mm	\	23.31	24	0.356	0.42	0.166	0.19	-0.16
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Front	10mm	\	24.36	25	0.063	0.07	0.044	0.05	-0.15
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Rear	10mm	\	24.36	25	0.104	0.12	0.07	0.08	0.04
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Left	10mm	\	24.36	25	0.073	0.08	0.053	0.06	0.19
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Right	10mm	\	24.36	25	0.045	0.05	0.033	0.04	-0.05
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Bottom	10mm	\	24.36	25	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Top	10mm	\	24.36	25	0.083	0.10	0.046	0.05	-0.07
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Front	10mm	\	23.31	24	0.05	0.06	0.035	0.04	0.15
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Rear	10mm	\	23.31	24	0.076	0.09	0.054	0.06	-0.17
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Left	10mm	\	23.31	24	0.06	0.07	0.043	0.05	0.13
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Right	10mm	\	23.31	24	0.037	0.04	0.027	0.03	0.03
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Bottom	10mm	\	23.31	24	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Top	10mm	\	23.31	24	0.052	0.06	0.032	0.04	0.05
4	BodyWorn	LTE B12	23095	707.5	1RB-Middle	QPSK	Front	15mm	\	24.36	25	0.073	0.08	0.056	0.06	-0.13
4	BodyWorn	LTE B12	23095	707.5	1RB-Middle	QPSK	Rear	15mm	\	24.36	25	0.081	0.09	0.062	0.07	0.14
4	BodyWorn	LTE B12	23095	707.5	25RB-Middle	QPSK	Front	15mm	\	23.31	24	0.059	0.07	0.044	0.05	0.13
4	BodyWorn	LTE B12	23095	707.5	25RB-Middle	QPSK	Rear	15mm	\	23.31	24	0.066	0.08	0.05	0.06	0.07
0	Head	LTE B14	23330	793	1RB-Middle	QPSK	Cheek Left	0mm	F.17	23.7	24.5	0.281	0.34	0.215	0.26	0.12
0	Head	LTE B14	23330	793	1RB-Middle	QPSK	Tilt Left	0mm	\	23.7	24.5	0.129	0.16	0.102	0.12	0.09
0	Head	LTE B14	23330	793	1RB-Middle	QPSK	Cheek Right	0mm	\	23.7	24.5	0.26	0.31	0.199	0.24	0.14
0	Head	LTE B14	23330	793	1RB-Middle	QPSK	Tilt Right	0mm	\	23.7	24.5	0.113	0.14	0.091	0.11	0.12
0	Head	LTE B14	23330	793	25RB-Middle	QPSK	Cheek Left	0mm	\	22.57	23.5	0.203	0.25	0.155	0.19	0.14
0	Head	LTE B14	23330	793	25RB-Middle	QPSK	Tilt Left	0mm	\	22.57	23.5	0.102	0.13	0.081	0.10	0.01
0	Head	LTE B14	23330	793	25RB-Middle	QPSK	Cheek Right	0mm	\	22.57	23.5	0.195	0.24	0.15	0.19	-0.04
0	Head	LTE B14	23330	793	25RB-Middle	QPSK	Tilt Right	0mm	\	22.57	23.5	0.089	0.11	0.072	0.09	0.02
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Front	10mm	\	23.7	24.5	0.286	0.34	0.186	0.22	-0.01
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Rear	10mm	F.18	23.7	24.5	0.385	0.46	0.245	0.29	-0.01
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Left	10mm	\	23.7	24.5	0.177	0.21	0.102	0.12	0.16
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Right	10mm	\	23.7	24.5	0.134	0.16	0.065	0.08	-0.16
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Bottom	10mm	\	23.7	24.5	0.149	0.18	0.073	0.09	-0.12
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Top	10mm	\	23.7	24.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Front	10mm	\	22.57	23.5	0.229	0.28	0.15	0.19	-0.15
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Rear	10mm	\	22.57	23.5	0.298	0.37	0.192	0.24	0.01
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Left	10mm	\	22.57	23.5	0.196	0.24	0.116	0.14	0.01
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Right	10mm	\	22.57	23.5	0.273	0.34	0.159	0.20	-0.11
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Bottom	10mm	\	22.57	23.5	0.07	0.09	0.031	0.04	-0.17
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Top	10mm	\	22.57	23.5	<0.01	<0.01	<0.01	<0.01	\
0	BodyWorn	LTE B14	23330	793	1RB-Middle	QPSK	Front	15mm	\	23.7	24.5	0.215	0.26	0.168	0.20	-0.1
0	BodyWorn	LTE B14	23330	793	1RB-Middle	QPSK	Rear	15mm	\	23.7	24.5	0.28	0.34	0.216	0.26	-0.16
0	BodyWorn	LTE B14	23330	793	25RB-Middle	QPSK	Front	15mm	\	22.57	23.5	0.159	0.20	0.125	0.15	0.04
0	BodyWorn	LTE B14	23330	793	25RB-Middle	QPSK	Rear	15mm	\	22.57	23.5	0.181	0.22	0.143	0.18	0.15

0	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Cheek Left	0mm	\	23.48	24	0.137	0.15	0.083	0.09	0.19
0	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Tilt Left	0mm	\	23.48	24	0.149	0.17	0.084	0.09	-0.19
0	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Cheek Right	0mm	\	23.48	24	0.115	0.13	0.067	0.08	0.05
0	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Tilt Right	0mm	\	23.48	24	0.102	0.11	0.061	0.07	0.02
0	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Cheek Left	0mm	\	22.44	23	0.117	0.13	0.071	0.08	0.03
0	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Tilt Left	0mm	\	22.44	23	0.106	0.12	0.059	0.07	-0.14
0	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Cheek Right	0mm	\	22.44	23	0.09	0.10	0.052	0.06	0.16
0	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Tilt Right	0mm	\	22.44	23	0.087	0.10	0.049	0.06	0
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Front	10mm	\	21.81	22.5	0.393	0.46	0.189	0.22	-0.14
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Rear	10mm	\	21.81	22.5	0.852	1.00	0.37	0.43	-0.02
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Left	10mm	\	21.81	22.5	0.217	0.25	0.117	0.14	-0.09
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Right	10mm	\	21.81	22.5	0.141	0.17	0.076	0.09	0.08
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Bottom	10mm	\	21.81	22.5	0.657	0.77	0.292	0.34	-0.18
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Top	10mm	\	21.81	22.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B30	27710	2310	25RB-Low	QPSK	Front	10mm	\	20.63	21.5	0.317	0.39	0.155	0.19	0.06
0	Hotspot	LTE B30	27710	2310	25RB-Low	QPSK	Rear	10mm	\	20.63	21.5	0.609	0.74	0.257	0.31	-0.14
0	Hotspot	LTE B30	27710	2310	25RB-Low	QPSK	Left	10mm	\	20.63	21.5	0.224	0.27	0.124	0.15	-0.09
0	Hotspot	LTE B30	27710	2310	25RB-Low	QPSK	Right	10mm	\	20.63	21.5	0.096	0.12	0.053	0.06	0.02
0	Hotspot	LTE B30	27710	2310	25RB-Low	QPSK	Bottom	10mm	\	20.63	21.5	0.551	0.67	0.249	0.30	0.1
0	Hotspot	LTE B30	27710	2310	25RB-Low	QPSK	Top	10mm	\	20.63	21.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B30	27710	2310	50RB	QPSK	Rear	10mm	\	20.66	21.5	0.604	0.73	0.253	0.31	-0.06
0	BodyWorn	LTE B30	27710	2310	1RB-Middle	QPSK	Front	15mm	\	22.21	23	0.233	0.28	0.124	0.15	-0.01
0	BodyWorn	LTE B30	27710	2310	1RB-Middle	QPSK	Rear	15mm	\	22.21	23	0.432	0.52	0.209	0.25	-0.15
0	BodyWorn	LTE B30	27710	2310	25RB-Middle	QPSK	Front	15mm	\	21.11	22	0.178	0.22	0.097	0.12	0.19
0	BodyWorn	LTE B30	27710	2310	25RB-Middle	QPSK	Rear	15mm	\	21.11	22	0.347	0.43	0.168	0.21	0.02
4	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Cheek Left	0mm	\	14.76	15.5	0.356	0.42	0.161	0.19	0
4	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Tilt Left	0mm	\	14.76	15.5	0.489	0.58	0.222	0.26	-0.09
4	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Cheek Right	0mm	\	14.76	15.5	0.708	0.84	0.282	0.33	-0.02
4	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Tilt Right	0mm	F 21	14.76	15.5	0.876	1.04	0.348	0.41	0.17
4	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Cheek Left	0mm	\	13.79	14.5	0.551	0.67	0.133	0.16	0.15
4	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Tilt Left	0mm	\	13.79	14.5	0.421	0.50	0.188	0.22	0.11
4	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Cheek Right	0mm	\	13.79	14.5	0.592	0.70	0.224	0.26	0.05
4	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Tilt Right	0mm	\	13.79	14.5	0.744	0.88	0.277	0.33	0.15
4	Head	LTE B30	27710	2310	50RB	QPSK	Tilt Right	0mm	\	13.69	14.5	0.671	0.81	0.249	0.30	0.11
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Front	10mm	\	17.46	18	0.296	0.34	0.144	0.16	0.11
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Rear	10mm	\	17.46	18	0.736	0.83	0.333	0.38	-0.15
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Left	10mm	\	17.46	18	0.111	0.13	0.062	0.07	0.12
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Right	10mm	\	17.46	18	0.014	0.02	0.008	0.01	-0.03
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Bottom	10mm	\	17.46	18	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Top	10mm	F 22	17.46	18	0.93	1.05	0.411	0.47	-0.13
4	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Front	10mm	\	16.35	17	0.233	0.27	0.112	0.13	-0.01
4	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Rear	10mm	\	16.35	17	0.617	0.71	0.271	0.31	0.01
4	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Left	10mm	\	16.35	17	0.092	0.11	0.05	0.06	0.09
4	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Right	10mm	\	16.35	17	0.012	0.01	0.006	0.01	0.02
4	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Bottom	10mm	\	16.35	17	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Top	10mm	\	16.35	17	0.731	0.85	0.316	0.37	-0.18
4	Hotspot	LTE B30	27710	2310	50RB	QPSK	Top	10mm	\	16.34	17	0.724	0.84	0.311	0.36	-0.1
4	BodyWorn	LTE B30	27710	2310	1RB-Middle	QPSK	Front	15mm	\	20.57	21	0.379	0.42	0.208	0.23	-0.15
4	BodyWorn	LTE B30	27710	2310	1RB-Middle	QPSK	Rear	15mm	\	20.57	21	0.865	0.96	0.449	0.50	0.03
4	BodyWorn	LTE B30	27710	2310	25RB-Middle	QPSK	Front	15mm	\	19.56	20	0.304	0.34	0.165	0.18	-0.02
4	BodyWorn	LTE B30	27710	2310	25RB-Middle	QPSK	Rear	15mm	\	19.56	20	0.702	0.78	0.36	0.40	-0.04
4	BodyWorn	LTE B30	27710	2310	50RB	QPSK	Rear	15mm	\	19.43	20	0.677	0.77	0.342	0.39	0.08
0	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Cheek Left	0mm	\	23.56	24.5	0.112	0.14	0.073	0.09	-0.15
0	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Tilt Left	0mm	\	23.56	24.5	0.073	0.09	0.047	0.06	0.13
0	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Cheek Right	0mm	\	23.56	24.5	0.144	0.18	0.092	0.11	0.17
0	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Tilt Right	0mm	\	23.56	24.5	0.06	0.07	0.04	0.05	0.11
0	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Cheek Left	0mm	\	22.47	23.5	0.082	0.10	0.053	0.07	0.12
0	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Tilt Left	0mm	\	22.47	23.5	0.063	0.08	0.04	0.05	-0.14
0	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Cheek Right	0mm	\	22.47	23.5	0.117	0.15	0.074	0.09	0.01
0	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Tilt Right	0mm	\	22.47	23.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Front	10mm	\	18.44	19.5	0.284	0.36	0.161	0.21	0.16
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Rear	10mm	\	18.44	19.5	0.542	0.69	0.293	0.37	-0.12
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Left	10mm	\	18.44	19.5	0.031	0.04	0.02	0.03	0.1
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Right	10mm	\	18.44	19.5	0.079	0.10	0.047	0.06	0.11
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Bottom	10mm	\	18.44	19.5	0.791	1.01	0.427	0.55	-0.01
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Top	10mm	\	18.44	19.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Front	10mm	\	17.43	18.5	0.226	0.29	0.128	0.16	-0.02
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Rear	10mm	\	17.43	18.5	0.433	0.55	0.235	0.30	-0.14
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Left	10mm	\	17.43	18.5	0.024	0.03	0.015	0.02	-0.19
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Right	10mm	\	17.43	18.5	0.067	0.09	0.04	0.05	-0.04
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Bottom	10mm	\	17.43	18.5	0.612	0.78	0.327	0.42	-0.11
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Top	10mm	\	17.43	18.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B66	132572	1770	1RB-Middle	QPSK	Bottom	10mm	F 24	18.37	19.5	0.812	1.05	0.436	0.57	-0.12
0	Hotspot	LTE B66	132072	1720	1RB-Middle	QPSK	Bottom	10mm	\	18.32	19.5	0.727	0.95	0.389	0.51	-0.13
0	Hotspot	LTE B66	132322	1745	100RB	QPSK	Bottom	10mm	\	17.38	18.5	0.6	0.78	0.315	0.41	-0.1
0	BodyWorn	LTE B66	132322	1745	1RB-Middle	QPSK	Front	15mm	\	22.22	22.5	0.377	0.40	0.237	0.25	0.17
0	BodyWorn	LTE B66	132322	1745	1RB-Middle	QPSK	Rear	15mm	\	22.22	22.5	0.679	0.72	0.407	0.43	-0.04
0	BodyWorn	LTE B66	132322	1745	50RB-Middle	QPSK	Front	15mm	\	21.22	21.5	0.3	0.32	0.188	0.20	0.12
0	BodyWorn	LTE B66	132322	1745	50RB-Middle	QPSK	Rear	15mm	\	21.22	21.5	0.536	0.57	0.32	0.34	-0.01
0	BodyWorn	LTE B66	132572	1770	1RB-Middle	QPSK	Rear	15mm	\	22.14	22.5	0.645	0.70	0.383	0.42	-0.03
0	BodyWorn	LTE B66	132072	1720	1RB-Middle	QPSK	Rear	15mm	\	22.16	22.5	0.624	0.67	0.376	0.41	-0.06
4	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Cheek Left	0mm	\	19.79	20	0.584	0.61	0.343	0.36	0.19
4	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Tilt Left	0mm	\	19.79						

ENDC/ULCA-LTE

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
0	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Cheek Left	0mm	\	23.56	24.5	0.157	0.19	0.099	0.12	0.15
0	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Tilt Left	0mm	\	23.56	24.5	0.118	0.15	0.076	0.09	-0.17
0	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Cheek Right	0mm	\	23.56	24.5	0.178	0.22	0.114	0.14	0.18
0	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Tilt Right	0mm	\	23.56	24.5	0.131	0.16	0.086	0.11	0.1
0	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Cheek Left	0mm	\	22.54	23.5	0.125	0.16	0.082	0.10	0.17
0	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Tilt Left	0mm	\	22.54	23.5	0.096	0.12	0.062	0.08	-0.16
0	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Cheek Right	0mm	\	22.54	23.5	0.14	0.17	0.09	0.11	0.12
0	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Tilt Right	0mm	\	22.54	23.5	0.101	0.13	0.065	0.08	0.03
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Front	10mm	\	18.16	19	0.23	0.28	0.139	0.17	-0.16
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Rear	10mm	\	18.16	19	0.263	0.32	0.146	0.18	0.05
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Left	10mm	\	18.16	19	0.076	0.09	0.047	0.06	0.17
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Right	10mm	\	18.16	19	0.051	0.06	0.031	0.04	0.16
0	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Bottom	10mm	\	18.16	19	0.531	0.64	0.292	0.35	0.04
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Top	10mm	\	18.16	19	0.043	0.05	0.023	0.03	0.14
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Front	10mm	\	17.18	18	0.175	0.21	0.106	0.13	-0.1
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Rear	10mm	\	17.18	18	0.201	0.24	0.112	0.14	0.16
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Left	10mm	\	17.18	18	0.059	0.07	0.036	0.04	0.08
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Right	10mm	\	17.18	18	0.042	0.05	0.026	0.03	-0.14
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Bottom	10mm	\	17.18	18	0.435	0.53	0.239	0.29	-0.19
0	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Top	10mm	\	17.18	18	0.028	0.03	0.015	0.02	-0.1
0	Hotspot	LTE B2	19100	1900	1RB-Middle	QPSK	Bottom	10mm	\	18.09	19	0.539	0.66	0.289	0.36	0.06
0	Hotspot	LTE B2	18700	1860	1RB-Middle	QPSK	Bottom	10mm	\	18.14	19	0.635	0.77	0.337	0.41	-0.17
0	Hotspot	LTE B2	18700	1860	100RB	QPSK	Bottom	10mm	\	17.13	18	0.426	0.52	0.237	0.29	0.07
0	BodyWorn	LTE B2	18900	1880	1RB-Middle	QPSK	Front	15mm	\	23.56	24.5	0.559	0.69	0.332	0.41	0.16
0	BodyWorn	LTE B2	18900	1880	1RB-Middle	QPSK	Rear	15mm	\	23.56	24.5	0.562	0.70	0.336	0.42	0.12
0	BodyWorn	LTE B2	18900	1880	50RB-Middle	QPSK	Front	15mm	\	22.54	23.5	0.454	0.57	0.269	0.34	-0.19
0	BodyWorn	LTE B2	18900	1880	50RB-Middle	QPSK	Rear	15mm	\	22.54	23.5	0.44	0.55	0.266	0.33	-0.09
4	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Cheek Left	0mm	\	17.07	17.5	0.367	0.41	0.194	0.21	0.05
4	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Tilt Left	0mm	\	17.07	17.5	0.428	0.47	0.22	0.24	-0.07
4	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Cheek Right	0mm	\	17.07	17.5	0.545	0.60	0.271	0.30	-0.14
4	Head	LTE B2	18900	1880	1RB-Middle	QPSK	Tilt Right	0mm	\	17.07	17.5	0.609	0.67	0.297	0.33	-0.09
4	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Cheek Left	0mm	\	16.05	16.5	0.283	0.31	0.151	0.17	0.01
4	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Tilt Left	0mm	\	16.05	16.5	0.331	0.37	0.171	0.19	-0.17
4	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Cheek Right	0mm	\	16.05	16.5	0.387	0.43	0.195	0.22	0.02
4	Head	LTE B2	18900	1880	50RB-Middle	QPSK	Tilt Right	0mm	\	16.05	16.5	0.471	0.52	0.229	0.25	0.12
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Front	10mm	\	20.58	21	0.289	0.32	0.161	0.18	-0.03
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Rear	10mm	\	20.58	21	0.606	0.67	0.324	0.36	-0.09
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Left	10mm	\	20.58	21	0.162	0.18	0.092	0.10	0.09
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Right	10mm	\	20.58	21	0.104	0.11	0.058	0.06	0.14
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Bottom	10mm	\	20.58	21	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B2	18900	1880	1RB-Middle	QPSK	Top	10mm	\	20.58	21	0.484	0.53	0.248	0.27	0.12
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Front	10mm	\	19.57	20	0.23	0.25	0.126	0.14	0.13
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Rear	10mm	\	19.57	20	0.468	0.52	0.243	0.27	0.18
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Left	10mm	\	19.57	20	0.129	0.14	0.073	0.08	0.19
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Right	10mm	\	19.57	20	0.061	0.07	0.035	0.04	-0.17
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Bottom	10mm	\	19.57	20	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B2	18900	1880	50RB-Middle	QPSK	Top	10mm	\	19.57	20	0.386	0.43	0.195	0.22	0.07
4	BodyWorn	LTE B2	18900	1880	1RB-Middle	QPSK	Front	15mm	\	22.13	23.5	0.338	0.46	0.188	0.26	0.04
4	BodyWorn	LTE B2	18900	1880	1RB-Middle	QPSK	Rear	15mm	\	22.13	23.5	0.548	0.75	0.276	0.38	0.07
4	BodyWorn	LTE B2	18900	1880	50RB-Middle	QPSK	Front	15mm	\	21.09	22.5	0.27	0.37	0.148	0.20	-0.02
4	BodyWorn	LTE B2	18900	1880	50RB-Middle	QPSK	Rear	15mm	\	21.09	22.5	0.505	0.70	0.247	0.34	0.04
0	Head	LTE B5	20525	836.5	1RB-Middle	QPSK	Cheek Left	0mm	\	24.17	25	0.292	0.35	0.228	0.28	0.12
0	Head	LTE B5	20525	836.5	1RB-Middle	QPSK	Tilt Left	0mm	\	24.17	25	0.162	0.20	0.132	0.16	0.1
0	Head	LTE B5	20525	836.5	1RB-Middle	QPSK	Cheek Right	0mm	\	24.17	25	0.341	0.41	0.267	0.32	0.1
0	Head	LTE B5	20525	836.5	1RB-Middle	QPSK	Tilt Right	0mm	\	24.17	25	0.158	0.19	0.13	0.16	-0.11
0	Head	LTE B5	20525	836.5	25RB-Middle	QPSK	Cheek Left	0mm	\	23.04	24	0.236	0.29	0.185	0.23	-0.04
0	Head	LTE B5	20525	836.5	25RB-Middle	QPSK	Tilt Left	0mm	\	23.04	24	0.127	0.16	0.103	0.13	0.09
0	Head	LTE B5	20525	836.5	25RB-Middle	QPSK	Cheek Right	0mm	\	23.04	24	0.264	0.33	0.208	0.26	0.04
0	Head	LTE B5	20525	836.5	25RB-Middle	QPSK	Tilt Right	0mm	\	23.04	24	0.128	0.16	0.106	0.13	0.06
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Front	10mm	\	24.17	25	0.31	0.38	0.223	0.27	0.19
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Rear	10mm	\	24.17	25	0.385	0.47	0.241	0.29	-0.14
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Left	10mm	\	24.17	25	0.239	0.29	0.156	0.19	-0.06
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Right	10mm	\	24.17	25	0.311	0.38	0.203	0.25	-0.09
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Bottom	10mm	\	24.17	25	0.092	0.11	0.046	0.06	0.04
0	Hotspot	LTE B5	20525	836.5	1RB-Middle	QPSK	Top	10mm	\	24.17	25	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Front	10mm	\	23.04	24	0.233	0.29	0.169	0.21	0.16
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Rear	10mm	\	23.04	24	0.315	0.39	0.198	0.25	0.07
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Left	10mm	\	23.04	24	0.193	0.24	0.126	0.16	0.07
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Right	10mm	\	23.04	24	0.246	0.31	0.162	0.20	-0.15
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Bottom	10mm	\	23.04	24	0.058	0.07	0.032	0.04	0.01
0	Hotspot	LTE B5	20525	836.5	25RB-Middle	QPSK	Top	10mm	\	23.04	24	<0.01	<0.01	<0.01	<0.01	\
0	BodyWorn	LTE B5	20525	836.5	1RB-Middle	QPSK	Front	15mm	\	24.17	25	0.239	0.29	0.183	0.22	0.08
0	BodyWorn	LTE B5	20525	836.5	1RB-Middle	QPSK	Rear	15mm	\	24.17	25	0.277	0.34	0.213	0.26	0.04
0	BodyWorn	LTE B5	20525	836.5	25RB-Middle	QPSK	Front	15mm	\	23.04	24	0.199	0.25	0.152	0.19	0.02
0	BodyWorn	LTE B5	20525	836.5	25RB-Middle	QPSK	Rear	15mm	\	23.04	24	0.224	0.28	0.172	0.21	-0.01
0	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Cheek Left	0mm	\	24.21	25	0.273	0.33	0.216	0.26	-0.02
0	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Tilt Left	0mm	\	24.21	25	0.164	0.20	0.133	0.16	0.11
0	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Cheek Right	0mm	\	24.21	25	0.304	0.36	0.24	0.29	0.1
0	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Tilt Right	0mm	\	24.21	25	0.165	0.20	0.135	0.16	-0.01
0	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Cheek Left	0mm	\	23.11	24	0.272	0.33	0.213	0.26	-0.05
0	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Tilt Left	0mm	\	23.11	24	0.124	0.15	0.1	0.12	0.08
0	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Cheek Right	0mm	\	23.11	24	0.229	0.28	0.18	0.22	-0.08
0																



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4	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Cheek Left	0mm	\	24.36	25	0.219	0.25	0.14	0.16	0.02
4	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Tilt Left	0mm	\	24.36	25	0.323	0.37	0.178	0.21	-0.13
4	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Cheek Right	0mm	\	24.36	25	0.441	0.51	0.212	0.25	-0.05
4	Head	LTE B12	23095	707.5	1RB-Middle	QPSK	Tilt Right	0mm	\	24.36	25	0.453	0.52	0.23	0.27	-0.01
4	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Cheek Left	0mm	\	23.31	24	0.218	0.26	0.132	0.15	-0.12
4	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Tilt Left	0mm	\	23.31	24	0.22	0.26	0.123	0.14	0.07
4	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Cheek Right	0mm	\	23.31	24	0.354	0.41	0.184	0.22	0.19
4	Head	LTE B12	23095	707.5	25RB-Middle	QPSK	Tilt Right	0mm	\	23.31	24	0.356	0.42	0.166	0.19	-0.16
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Front	10mm	\	24.36	25	0.063	0.07	0.044	0.05	-0.15
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Rear	10mm	\	24.36	25	0.104	0.12	0.07	0.08	0.04
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Left	10mm	\	24.36	25	0.073	0.08	0.053	0.06	0.19
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Right	10mm	\	24.36	25	0.045	0.05	0.033	0.04	-0.05
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Bottom	10mm	\	24.36	25	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B12	23095	707.5	1RB-Middle	QPSK	Top	10mm	\	24.36	25	0.083	0.10	0.046	0.05	-0.07
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Front	10mm	\	23.31	24	0.05	0.06	0.035	0.04	0.15
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Rear	10mm	\	23.31	24	0.076	0.09	0.054	0.06	-0.17
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Left	10mm	\	23.31	24	0.06	0.07	0.043	0.05	0.13
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Right	10mm	\	23.31	24	0.037	0.04	0.027	0.03	0.03
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Bottom	10mm	\	23.31	24	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B12	23095	707.5	25RB-Middle	QPSK	Top	10mm	\	23.31	24	0.052	0.06	0.032	0.04	0.05
4	BodyWorn	LTE B12	23095	707.5	1RB-Middle	QPSK	Front	15mm	\	24.36	25	0.073	0.08	0.056	0.06	-0.13
4	BodyWorn	LTE B12	23095	707.5	1RB-Middle	QPSK	Rear	15mm	\	24.36	25	0.081	0.09	0.062	0.17	0.14
4	BodyWorn	LTE B12	23095	707.5	25RB-Middle	QPSK	Front	15mm	\	23.31	24	0.059	0.07	0.044	0.05	0.13
4	BodyWorn	LTE B12	23095	707.5	25RB-Middle	QPSK	Rear	15mm	\	23.31	24	0.066	0.08	0.05	0.06	0.07
0	Head	LTE B14	23330	793	1RB-Middle	QPSK	Cheek Left	0mm	\	23.7	24.5	0.281	0.34	0.215	0.26	0.12
0	Head	LTE B14	23330	793	1RB-Middle	QPSK	Tilt Left	0mm	\	23.7	24.5	0.129	0.16	0.102	0.12	0.09
0	Head	LTE B14	23330	793	1RB-Middle	QPSK	Cheek Right	0mm	\	23.7	24.5	0.26	0.31	0.199	0.24	0.14
0	Head	LTE B14	23330	793	1RB-Middle	QPSK	Tilt Right	0mm	\	23.7	24.5	0.113	0.14	0.091	0.11	0.12
0	Head	LTE B14	23330	793	25RB-Middle	QPSK	Cheek Left	0mm	\	22.57	23.5	0.203	0.25	0.155	0.19	0.14
0	Head	LTE B14	23330	793	25RB-Middle	QPSK	Tilt Left	0mm	\	22.57	23.5	0.102	0.13	0.081	0.10	0.01
0	Head	LTE B14	23330	793	25RB-Middle	QPSK	Cheek Right	0mm	\	22.57	23.5	0.195	0.24	0.15	0.19	-0.04
0	Head	LTE B14	23330	793	25RB-Middle	QPSK	Tilt Right	0mm	\	22.57	23.5	0.089	0.11	0.072	0.09	0.02
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Front	10mm	\	23.7	24.5	0.286	0.34	0.186	0.22	-0.01
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Rear	10mm	\	23.7	24.5	0.385	0.46	0.245	0.29	-0.01
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Left	10mm	\	23.7	24.5	0.177	0.21	0.102	0.12	0.16
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Right	10mm	\	23.7	24.5	0.134	0.16	0.065	0.08	-0.16
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Bottom	10mm	\	23.7	24.5	0.149	0.18	0.073	0.09	-0.12
0	Hotspot	LTE B14	23330	793	1RB-Middle	QPSK	Top	10mm	\	23.7	24.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Front	10mm	\	22.57	23.5	0.229	0.28	0.15	0.19	-0.15
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Rear	10mm	\	22.57	23.5	0.298	0.37	0.192	0.24	0.01
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Left	10mm	\	22.57	23.5	0.196	0.24	0.116	0.14	0.01
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Right	10mm	\	22.57	23.5	0.273	0.34	0.159	0.20	-0.11
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Bottom	10mm	\	22.57	23.5	0.07	0.09	0.031	0.04	-0.17
0	Hotspot	LTE B14	23330	793	25RB-Middle	QPSK	Top	10mm	\	22.57	23.5	<0.01	<0.01	<0.01	<0.01	\
0	BodyWorn	LTE B14	23330	793	1RB-Middle	QPSK	Front	15mm	\	23.7	24.5	0.215	0.26	0.168	0.20	-0.1
0	BodyWorn	LTE B14	23330	793	1RB-Middle	QPSK	Rear	15mm	\	23.7	24.5	0.28	0.34	0.216	0.26	-0.16
0	BodyWorn	LTE B14	23330	793	25RB-Middle	QPSK	Front	15mm	\	22.57	23.5	0.159	0.20	0.125	0.15	0.04
0	BodyWorn	LTE B14	23330	793	25RB-Middle	QPSK	Rear	15mm	\	22.57	23.5	0.181	0.22	0.143	0.18	0.15
0	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Cheek Left	0mm	\	23.48	24	0.137	0.15	0.083	0.09	0.19
0	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Tilt Left	0mm	\	23.48	24	0.149	0.17	0.084	0.09	-0.19
0	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Cheek Right	0mm	\	23.48	24	0.115	0.13	0.067	0.08	0.05
0	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Tilt Right	0mm	\	23.48	24	0.102	0.11	0.061	0.07	0.02
0	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Cheek Left	0mm	\	22.44	23	0.117	0.13	0.071	0.08	0.03
0	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Tilt Left	0mm	\	22.44	23	0.106	0.12	0.059	0.07	-0.14
0	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Cheek Right	0mm	\	22.44	23	0.09	0.10	0.052	0.06	0.16
0	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Tilt Right	0mm	\	22.44	23	0.087	0.10	0.049	0.06	0
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Front	10mm	\	19.29	20	0.193	0.23	0.094	0.11	-0.12
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Rear	10mm	\	19.29	20	0.419	0.49	0.184	0.22	-0.03
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Left	10mm	\	19.29	20	0.107	0.13	0.058	0.07	0.03
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Right	10mm	\	19.29	20	0.069	0.08	0.038	0.04	-0.18
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Bottom	10mm	\	19.29	20	0.323	0.38	0.145	0.17	0.07
0	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Top	10mm	\	19.29	20	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Front	10mm	\	18.25	19	0.156	0.19	0.077	0.09	-0.11
0	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Rear	10mm	\	18.25	19	0.3	0.36	0.128	0.15	-0.1
0	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Left	10mm	\	18.25	19	0.11	0.13	0.062	0.07	-0.11
0	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Right	10mm	\	18.25	19	0.047	0.06	0.026	0.03	0.02
0	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Bottom	10mm	\	18.25	19	0.271	0.32	0.124	0.15	0.16
0	Hotspot	LTE B30	27710	2310	25RB-Middle	QPSK	Top	10mm	\	18.25	19	<0.01	<0.01	<0.01	<0.01	\
0	BodyWorn	LTE B30	27710	2310	1RB-Middle	QPSK	Front	15mm	\	22.21	23	0.233	0.28	0.124	0.15	-0.01
0	BodyWorn	LTE B30	27710	2310	1RB-Middle	QPSK	Rear	15mm	\	22.21	23	0.432	0.52	0.209	0.25	-0.15
0	BodyWorn	LTE B30	27710	2310	25RB-Middle	QPSK	Front	15mm	\	21.11	22	0.178	0.22	0.097	0.12	0.19
0	BodyWorn	LTE B30	27710	2310	25RB-Middle	QPSK	Rear	15mm	\	21.11	22	0.347	0.43	0.168	0.21	0.02
4	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Cheek Left	0mm	\	13.19	14	0.245	0.30	0.112	0.13	0.15
4	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Tilt Left	0mm	\	13.19	14	0.337	0.41	0.155	0.19	0.03
4	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Cheek Right	0mm	\	13.19	14	0.488	0.59	0.196	0.24	-0.15
4	Head	LTE B30	27710	2310	1RB-Middle	QPSK	Tilt Right	0mm	\	13.19	14	0.603	0.73	0.242	0.29	0.16
4	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Cheek Left	0mm	\	12.22	13	0.203	0.24	0.093	0.11	0.18
4	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Tilt Left	0mm	\	12.22	13	0.29	0.35	0.131	0.16	-0.11
4	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Cheek Right	0mm	\	12.22	13	0.407	0.49	0.156	0.19	-0.05
4	Head	LTE B30	27710	2310	25RB-Middle	QPSK	Tilt Right	0mm	\	12.22	13	0.512	0.61	0.192	0.23	0.16
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Front	10mm	\	15.25	16	0.191	0.23	0.091	0.11	-0.1
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Rear	10mm	\	15.25	16	0.474	0.56	0.211	0.25	-0.12
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Left	10mm	\	15.25	16	0.071	0.08	0.039	0.05	-0.14
4	Hotspot	LTE B30	27710	2310	1RB-Middle	QPSK	Right	10mm	\	15.25	16	0.009	0.01	0.005	0.01	0.15

0	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Cheek Left	0mm	\	23.56	24.5	0.112	0.14	0.073	0.09	-0.15
0	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Tilt Left	0mm	\	23.56	24.5	0.073	0.09	0.047	0.06	0.13
0	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Cheek Right	0mm	\	23.56	24.5	0.144	0.18	0.092	0.11	0.17
0	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Tilt Right	0mm	\	23.56	24.5	0.06	0.07	0.04	0.05	0.11
0	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Cheek Left	0mm	\	22.47	23.5	0.082	0.10	0.053	0.07	0.12
0	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Tilt Left	0mm	\	22.47	23.5	0.063	0.08	0.04	0.05	-0.14
0	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Cheek Right	0mm	\	22.47	23.5	0.117	0.15	0.074	0.09	0.01
0	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Tilt Right	0mm	\	22.47	23.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Front	10mm	\	16.76	17.5	0.189	0.22	0.107	0.13	0.15
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Rear	10mm	\	16.76	17.5	0.361	0.43	0.194	0.23	0.07
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Left	10mm	\	16.76	17.5	0.021	0.02	0.013	0.02	0.19
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Right	10mm	\	16.76	17.5	0.053	0.06	0.031	0.04	-0.08
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Bottom	10mm	\	16.76	17.5	0.526	0.62	0.283	0.34	-0.02
0	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Top	10mm	\	16.76	17.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Front	10mm	\	15.75	16.5	0.15	0.18	0.085	0.10	-0.09
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Rear	10mm	\	15.75	16.5	0.288	0.34	0.155	0.18	0.11
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Left	10mm	\	15.75	16.5	0.016	0.02	0.01	0.01	-0.04
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Right	10mm	\	15.75	16.5	0.044	0.05	0.026	0.03	-0.01
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Bottom	10mm	\	15.75	16.5	0.407	0.48	0.217	0.26	-0.13
0	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Top	10mm	\	15.75	16.5	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	LTE B66	132572	1770	1RB-Middle	QPSK	Bottom	10mm	\	16.7	17.5	0.54	0.65	0.289	0.35	-0.01
0	Hotspot	LTE B66	132072	1720	1RB-Middle	QPSK	Bottom	10mm	\	16.63	17.5	0.484	0.59	0.258	0.32	-0.01
0	Hotspot	LTE B66	132322	1745	100RB	QPSK	Bottom	10mm	\	15.74	16.5	0.399	0.48	0.208	0.25	0
0	BodyWorn	LTE B66	132322	1745	1RB-Middle	QPSK	Front	15mm	\	22.22	22.5	0.267	0.28	0.167	0.18	0.17
0	BodyWorn	LTE B66	132322	1745	1RB-Middle	QPSK	Rear	15mm	\	22.22	22.5	0.481	0.51	0.287	0.31	-0.02
0	BodyWorn	LTE B66	132322	1745	50RB-Middle	QPSK	Front	15mm	\	21.22	21.5	0.212	0.23	0.132	0.14	0.09
0	BodyWorn	LTE B66	132322	1745	50RB-Middle	QPSK	Rear	15mm	\	21.22	21.5	0.38	0.41	0.226	0.24	-0.03
0	BodyWorn	LTE B66	132572	1770	1RB-Middle	QPSK	Rear	15mm	\	22.14	22.5	0.457	0.50	0.277	0.30	0.14
0	BodyWorn	LTE B66	132072	1720	1RB-Middle	QPSK	Rear	15mm	\	22.16	22.5	0.471	0.51	0.283	0.31	-0.09
4	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Cheek Left	0mm	\	17.79	18	0.366	0.38	0.215	0.23	0.17
4	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Tilt Left	0mm	\	17.79	18	0.411	0.43	0.223	0.23	-0.15
4	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Cheek Right	0mm	\	17.79	18	0.593	0.62	0.29	0.30	0.11
4	Head	LTE B66	132322	1745	1RB-Middle	QPSK	Tilt Right	0mm	\	17.79	18	0.601	0.63	0.307	0.32	-0.06
4	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Cheek Left	0mm	\	16.77	17	0.285	0.30	0.166	0.18	-0.08
4	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Tilt Left	0mm	\	16.77	17	0.319	0.34	0.173	0.18	-0.01
4	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Cheek Right	0mm	\	16.77	17	0.461	0.49	0.236	0.25	0.16
4	Head	LTE B66	132322	1745	50RB-Middle	QPSK	Tilt Right	0mm	\	16.77	17	0.453	0.48	0.224	0.24	0.14
4	Head	LTE B66	132572	1770	1RB-Middle	QPSK	Tilt Right	0mm	\	17.62	18	0.443	0.48	0.22	0.24	-0.15
4	Head	LTE B66	132072	1720	1RB-Middle	QPSK	Tilt Right	0mm	\	17.76	18	0.438	0.46	0.216	0.23	-0.02
4	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Front	10mm	\	21.28	21.5	0.335	0.35	0.188	0.20	-0.06
4	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Rear	10mm	\	21.28	21.5	0.666	0.70	0.366	0.39	-0.13
4	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Left	10mm	\	21.28	21.5	0.178	0.19	0.105	0.11	0.1
4	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Right	10mm	\	21.28	21.5	0.087	0.09	0.052	0.05	-0.07
4	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Bottom	10mm	\	21.28	21.5	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B66	132322	1745	1RB-Middle	QPSK	Top	10mm	\	21.28	21.5	0.4	0.42	0.214	0.23	0.09
4	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Front	10mm	\	20.34	20.5	0.26	0.27	0.146	0.15	0.15
4	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Rear	10mm	\	20.34	20.5	0.494	0.51	0.272	0.28	0.11
4	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Left	10mm	\	20.34	20.5	0.128	0.13	0.075	0.08	-0.09
4	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Right	10mm	\	20.34	20.5	0.067	0.07	0.039	0.04	-0.04
4	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Bottom	10mm	\	20.34	20.5	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	LTE B66	132322	1745	50RB-Middle	QPSK	Top	10mm	\	20.34	20.5	0.336	0.35	0.184	0.19	0.17
4	BodyWorn	LTE B66	132322	1745	1RB-Middle	QPSK	Front	15mm	\	23.14	23.5	0.299	0.32	0.18	0.20	0.19
4	BodyWorn	LTE B66	132322	1745	1RB-Middle	QPSK	Rear	15mm	\	23.14	23.5	0.559	0.61	0.327	0.36	-0.05
4	BodyWorn	LTE B66	132322	1745	50RB-Middle	QPSK	Front	15mm	\	22.17	22.5	0.232	0.25	0.14	0.15	0.17
4	BodyWorn	LTE B66	132322	1745	50RB-Middle	QPSK	Rear	15mm	\	22.17	22.5	0.437	0.47	0.254	0.27	0.15

11.2 SAR results for 5G NR

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
0	Head	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.59	24.5	0.163	0.20	0.105	0.13	0
0	Head	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.59	24.5	0.174	0.21	0.108	0.13	0.13
0	Head	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	23.59	24.5	0.159	0.20	0.101	0.12	-0.06
0	Head	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.59	24.5	0.149	0.18	0.096	0.12	-0.13
0	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Front	10mm	\	20.98	21.5	0.347	0.39	0.197	0.22	0.11
0	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	\	20.98	21.5	0.395	0.45	0.209	0.24	0.03
0	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Left	10mm	\	20.98	21.5	0.124	0.14	0.071	0.08	0.11
0	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Right	10mm	\	20.98	21.5	0.083	0.09	0.049	0.06	0.04
0	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	\	20.98	21.5	0.896	1.01	0.476	0.54	0.1
0	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	\	20.98	21.5	0.025	0.03	0.015	0.02	0.06
0	Hotspot	N2	381500	1907.5	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	\	20.95	21.5	0.864	0.98	0.465	0.53	0.15
0	Hotspot	N2	370500	1852.5	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	\	20.92	21.5	0.849	0.97	0.461	0.53	0
0	Body/Worn	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Front	15mm	\	23.59	24.5	0.396	0.49	0.235	0.29	0
0	Body/Worn	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	\	23.59	24.5	0.414	0.51	0.248	0.31	-0.02
4	Head	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	19.03	19.5	0.489	0.54	0.255	0.28	0.12
4	Head	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	19.03	19.5	0.586	0.65	0.293	0.33	0.18
4	Head	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.03	19.5	0.715	0.80	0.351	0.39	0.06
4	Head	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	F.25	19.03	19.5	0.793	0.88	0.385	0.43	-0.02
4	Head	N2	381500	1907.5	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	19.01	19.5	0.778	0.87	0.371	0.42	-0.16
4	Head	N2	370500	1852.5	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	18.99	19.5	0.774	0.87	0.358	0.40	0.01
4	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Front	10mm	\	22.99	23.5	0.456	0.51	0.263	0.30	-0.12
4	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	F.26	22.99	23.5	0.918	1.03	0.594	0.67	-0.12
4	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Left	10mm	\	22.99	23.5	0.246	0.28	0.145	0.16	-0.04
4	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Right	10mm	\	22.99	23.5	0.142	0.16	0.084	0.09	-0.15
4	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	\	22.99	23.5	0.052	0.06	0.022	0.02	-0.04
4	Hotspot	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	\	22.99	23.5	0.759	0.85	0.399	0.45	0.18
4	Hotspot	N2	381500	1907.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	\	22.9	23.5	0.851	0.98	0.491	0.56	0.08
4	Hotspot	N2	370500	1852.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	\	22.94	23.5	0.829	0.94	0.48	0.55	-0.03
4	Body/Worn	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Front	15mm	\	23.61	24.5	0.318	0.39	0.189	0.23	0.05
4	Body/Worn	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	\	23.61	24.5	0.578	0.71	0.33	0.41	0.03
0	Head	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Left	0mm	F.27	24.2	25	0.289	0.35	0.229	0.28	0.04
0	Head	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	24.2	25	0.152	0.18	0.125	0.15	-0.05
0	Head	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	24.2	25	0.246	0.30	0.198	0.24	0.06
0	Head	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	24.2	25	0.127	0.15	0.108	0.13	-0.1
0	Hotspot	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Front	10mm	\	24.2	25	0.255	0.31	0.18	0.22	-0.12
0	Hotspot	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	F.28	24.2	25	0.371	0.45	0.226	0.27	-0.05
0	Hotspot	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Left	10mm	\	24.2	25	0.224	0.27	0.14	0.17	-0.13
0	Hotspot	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Right	10mm	\	24.2	25	0.257	0.31	0.165	0.20	0.19
0	Hotspot	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	\	24.2	25	0.078	0.09	0.041	0.05	-0.16
0	Hotspot	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	\	24.2	25	<0.01	<0.01	<0.01	<0.01	\
0	Body/Worn	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Front	15mm	\	24.2	25	0.269	0.32	0.205	0.25	0.02
0	Body/Worn	N5	167300	836.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	\	24.2	25	0.29	0.35	0.222	0.27	0.03
0	Head	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.6	24	0.142	0.16	0.083	0.09	-0.19
0	Head	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.6	24	0.068	0.07	0.039	0.04	0.08
0	Head	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	23.6	24	0.116	0.13	0.067	0.07	-0.19
0	Head	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.6	24	0.074	0.08	0.041	0.04	0.04
0	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Front	10mm	\	22.05	23	0.153	0.19	0.079	0.10	-0.09
0	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	\	22.05	23	0.224	0.28	0.105	0.13	0.02
0	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Left	10mm	\	22.05	23	0.069	0.09	0.033	0.04	0.15
0	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Right	10mm	\	22.05	23	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	\	22.05	23	0.794	0.99	0.346	0.43	-0.12
0	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	\	22.05	23	<0.01	<0.01	<0.01	<0.01	\
0	Hotspot	N30	462500	2312.5	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	\	22.01	23	0.78	0.98	0.341	0.43	-0.04
0	Hotspot	N30	461500	2307.5	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	\	21.99	23	0.774	0.98	0.339	0.43	0.13
0	Body/Worn	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Front	15mm	\	21.58	22.5	0.337	0.42	0.181	0.22	0.04
0	Body/Worn	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	\	21.58	22.5	0.416	0.51	0.201	0.25	-0.16
4	Head	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	13.85	15	0.331	0.43	0.139	0.18	-0.01
4	Head	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	13.85	15	0.454	0.59	0.19	0.25	-0.03
4	Head	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	13.85	15	0.638	0.83	0.284	0.34	-0.02
4	Head	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	F.29	13.85	15	0.851	1.11	0.33	0.43	-0.02
4	Head	N30	462500	2312.5	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	13.82	15	0.805	1.06	0.309	0.41	-0.1
4	Head	N30	461500	2307.5	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	13.79	15	0.785	1.04	0.297	0.39	-0.02
4	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Front	10mm	\	17.43	18.5	0.381	0.49	0.189	0.24	0.15
4	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	\	17.43	18.5	0.867	1.11	0.413	0.53	-0.18
4	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Left	10mm	\	17.43	18.5	0.175	0.22	0.086	0.13	0.13
4	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Right	10mm	\	17.43	18.5	0.022	0.03	0.012	0.02	-0.1
4	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	\	17.43	18.5	<0.01	<0.01	<0.01	<0.01	\
4	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	F.30	17.43	18.5	0.971	1.24	0.432	0.55	0.1
4	Hotspot	N30	462500	2312.5	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	\	17.42	18.5	0.962	1.23	0.422	0.54	0.19
4	Hotspot	N30	461500	2307.5	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	\	17.41	18.5	0.949	1.22	0.413	0.53	-0.13
4	Hotspot	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	HT	17.43	18.5	0.904	1.16	0.402	0.51	0.08
4	Body/Worn	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Front	15mm	\	19.92	20.5	0.468	0.53	0.244	0.28	-0.15
4	Body/Worn	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	\	19.92	20.5	0.913	1.04	0.463	0.53	-0.14
4	Body/Worn	N30	462500	2312.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	\	19.83	20.5	0.868	1.01	0.428	0.50	0.12
4	Body/Worn	N30	461500	2307.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	\	19.79	20.5	0.871	1.03	0.436	0.51	0.07
0	Head	N66	349000	1745	15K 5M 12 6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.77	24.5	0.1	0.12	0.067	0.08	-0.14

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty Cycle
3	Head	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Left	0mm	\	19.82	21	0.209	0.27	0.104	0.14	-0.09	57.00%
3	Head	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Tilt Left	0mm	\	19.82	21	0.196	0.26	0.094	0.12	-0.12	57.00%
3	Head	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.82	21	0.852	1.12	0.367	0.48	-0.03	57.00%
3	Head	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Tilt Right	0mm	\	19.82	21	0.614	0.81	0.242	0.32	-0.08	57.00%
3	Head	N77-L PC2	636000	3540	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.78	21	0.836	1.11	0.357	0.47	-0.16	57.00%
3	Head	N77-L PC2	630668	3460.02	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.77	21	0.828	1.10	0.349	0.46	-0.11	57.00%
3	Head	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Left	0mm	\	20.09	21	0.212	0.26	0.098	0.12	0.08	57.00%
3	Head	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Tilt Left	0mm	\	20.09	21	0.189	0.23	0.082	0.10	0.12	57.00%
3	Head	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	20.09	21	0.807	1.00	0.332	0.41	-0.03	57.00%
3	Head	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Tilt Right	0mm	\	20.09	21	0.494	0.61	0.196	0.24	-0.14	57.00%
3	Head	N77-H PC2	662000	3930	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	20.03	21	0.792	0.99	0.327	0.41	0.06	57.00%
3	Head	N77-H PC2	659600	3894	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.91	21	0.762	0.98	0.313	0.40	-0.17	57.00%
3	Head	N77-H PC2	657200	3858	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.95	21	0.772	0.98	0.32	0.41	0.08	57.00%
3	Head	N77-H PC2	652400	3786	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	20.01	21	0.749	0.94	0.308	0.39	0.04	57.00%
3	Head	N77-H PC2	650000	3750	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	20.03	21	0.757	0.95	0.3	0.38	0.12	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Front	10mm	\	22.69	24	0.482	0.65	0.216	0.29	-0.17	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	10mm	F.34	22.69	24	0.89	1.20	0.36	0.49	-0.09	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Left	10mm	\	22.69	24	0.615	0.83	0.263	0.36	-0.04	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Right	10mm	\	22.69	24	0.061	0.08	0.03	0.04	-0.16	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Bottom	10mm	\	22.69	24	0.019	0.03	0.007	0.01	-0.17	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Top	10mm	\	22.69	24	0.61	0.82	0.241	0.33	0.13	57.00%
3	Hotspot	N77-L PC2	636000	3540	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	10mm	\	22.67	24	0.872	1.18	0.35	0.48	-0.12	57.00%
3	Hotspot	N77-L PC2	630668	3460.02	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	10mm	\	22.57	24	0.858	1.19	0.344	0.48	-0.11	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	10mm	H1	22.69	24	0.803	1.09	0.341	0.46	0.09	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Front	10mm	\	23.17	24	0.474	0.57	0.224	0.27	-0.19	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Rear	10mm	\	23.17	24	0.712	0.86	0.301	0.36	0.09	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Left	10mm	\	23.17	24	0.955	1.16	0.385	0.47	0.04	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Right	10mm	\	23.17	24	0.067	0.08	0.032	0.04	0.12	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Bottom	10mm	\	23.17	24	<0.01	<0.01	<0.01	<0.01	-	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Top	10mm	\	23.17	24	0.328	0.40	0.141	0.17	-0.16	57.00%
3	Hotspot	N77-H PC2	662000	3930	30K 100M 135_67	DFT-s-OFDM QPSK	Left	10mm	\	22.9	24	0.879	1.13	0.351	0.45	0.15	57.00%
3	Hotspot	N77-H PC2	659600	3894	30K 100M 135_67	DFT-s-OFDM QPSK	Left	10mm	\	22.85	24	0.862	1.12	0.345	0.45	0.06	57.00%
3	Hotspot	N77-H PC2	657200	3858	30K 100M 135_67	DFT-s-OFDM QPSK	Left	10mm	\	23.04	24	0.921	1.15	0.37	0.46	-0.07	57.00%
3	Hotspot	N77-H PC2	652400	3786	30K 100M 135_67	DFT-s-OFDM QPSK	Left	10mm	\	23.12	24	0.934	1.14	0.376	0.46	0.03	57.00%
3	Hotspot	N77-H PC2	650000	3750	30K 100M 135_67	DFT-s-OFDM QPSK	Left	10mm	\	23.01	24	0.896	1.13	0.36	0.45	0.18	57.00%
3	BodyWorn	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Front	15mm	\	23.98	25	0.494	0.62	0.227	0.29	-0.17	57.00%
3	BodyWorn	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	15mm	\	23.89	25	0.749	0.97	0.327	0.42	-0.11	57.00%
3	BodyWorn	N77-L PC2	636000	3540	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	15mm	\	23.98	25	0.726	0.92	0.32	0.40	-0.06	57.00%
3	BodyWorn	N77-L PC2	630668	3460.02	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	15mm	\	23.82	25	0.72	0.94	0.317	0.42	0.14	57.00%
3	BodyWorn	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Front	15mm	\	24.09	25	0.516	0.64	0.249	0.31	-0.02	57.00%
3	BodyWorn	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Rear	15mm	\	24.09	25	0.584	0.72	0.275	0.34	-0.01	57.00%
3	Head	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Left	0mm	\	18.85	20	0.281	0.37	0.134	0.17	0.03	77.00%
3	Head	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Tilt Left	0mm	\	18.85	20	0.352	0.46	0.165	0.22	-0.04	77.00%
3	Head	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Right	0mm	F.33	18.85	20	0.93	1.21	0.397	0.52	-0.16	77.00%
3	Head	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Tilt Right	0mm	\	18.85	20	0.707	0.92	0.266	0.35	-0.11	77.00%
3	Head	N77-L PC3	636000	3540	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.82	20	0.904	1.19	0.39	0.51	0.08	77.00%
3	Head	N77-L PC3	630668	3460.02	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.73	20	0.884	1.18	0.384	0.51	0.11	77.00%
3	Head	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Left	0mm	\	19.09	20	0.261	0.32	0.119	0.15	-0.17	77.00%
3	Head	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Tilt Left	0mm	\	19.09	20	0.253	0.31	0.107	0.13	-0.1	77.00%
3	Head	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.09	20	0.915	1.13	0.369	0.46	-0.13	77.00%
3	Head	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Tilt Right	0mm	\	19.09	20	0.614	0.76	0.236	0.29	-0.14	77.00%
3	Head	N77-H PC3	662000	3930	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.05	20	0.875	1.09	0.364	0.45	0	77.00%
3	Head	N77-H PC3	659600	3894	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.07	20	0.887	1.10	0.367	0.45	0.07	77.00%
3	Head	N77-H PC3	657200	3858	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.99	20	0.858	1.08	0.36	0.45	0.08	77.00%
3	Head	N77-H PC3	652400	3786	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.96	20	0.847	1.08	0.354	0.45	0.09	77.00%
3	Head	N77-H PC3	650000	3750	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	19.05	20	0.858	1.07	0.358	0.45	0.17	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Front	10mm	\	21.22	22.5	0.486	0.65	0.213	0.29	-0.19	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	10mm	\	21.22	22.5	0.825	1.11	0.339	0.46	-0.19	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Left	10mm	\	21.22	22.5	0.625	0.84	0.272	0.37	-0.05	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Right	10mm	\	21.22	22.5	0.072	0.10	0.029	0.04	-0.15	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Bottom	10mm	\	21.22	22.5	<0.01	<0.01	<0.01	<0.01	-	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Top	10mm	\	21.22	22.5	0.567	0.76	0.223	0.30	-0.04	77.00%
3	Hotspot	N77-L PC3	636000	3540	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	10mm	\	21.16	22.5	0.802	1.09	0.328	0.45	0.08	77.00%
3	Hotspot	N77-L PC3	630668	3460.02	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	10mm	\	21.07	22.5	0.787	1.09	0.311	0.43	-0.06	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Front	10mm	\	21.62	22.5	0.432	0.53	0.198	0.24	0.04	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Rear	10mm	\	21.62	22.5	0.569	0.70	0.26	0.32	0.12	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Left	10mm	\	21.62	22.5	0.752	0.92	0.309	0.38	0.08	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Right	10mm	\	21.62	22.5	0.063	0.08	0.031	0.04	-0.13	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Bottom	10mm	\	21.62	22.5	<0.01	<0.01	<0.01	<0.01	-	77.00%
3	Hotspot</																

1	Head	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.79	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Head	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.79	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Head	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	23.79	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Head	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.79	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Front	10mm	\	23.79	25	0.024	0.03	0.01	0.01	-0.12	6.60%
1	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	10mm	\	23.79	25	0.042	0.06	0.015	0.02	-0.06	6.60%
1	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Left	10mm	\	23.79	25	0.049	0.06	0.017	0.02	-0.11	6.60%
1	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Right	10mm	\	23.79	25	0.028	0.04	0.008	0.01	0.06	6.60%
1	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Bottom	10mm	\	23.79	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Top	10mm	\	23.79	25	0.03	0.04	0.008	0.01	-0.18	6.60%
1	BodyWorn	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Front	15mm	\	23.79	25	0.016	0.02	0.005	0.01	-0.07	6.60%
1	BodyWorn	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	15mm	\	23.79	25	0.02	0.03	0.007	0.01	-0.13	6.60%
1	Head	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Left	0mm	\	24.14	25	0.004	0.00	0.001	0.00	-0.17	6.60%
1	Head	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Tilt Left	0mm	\	24.14	25	0.005	0.01	0.001	0.00	-0.13	6.60%
1	Head	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	24.14	25	0.006	0.01	0.001	0.00	0	6.60%
1	Head	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Tilt Right	0mm	\	24.14	25	0.005	0.01	0.001	0.00	0.17	6.60%
1	Hotspot	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Front	10mm	\	24.14	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Rear	10mm	\	24.14	25	0.038	0.05	0.015	0.02	-0.16	6.60%
1	Hotspot	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Left	10mm	\	24.14	25	0.03	0.04	0.012	0.01	-0.17	6.60%
1	Hotspot	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Right	10mm	\	24.14	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Bottom	10mm	\	24.14	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Top	10mm	\	24.14	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	BodyWorn	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Front	15mm	\	24.14	25	0.00385	0.00	0.00158	0.00	0	6.60%
1	BodyWorn	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Rear	15mm	\	24.14	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Head	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Left	0mm	\	20.72	22	0.088	0.12	0.032	0.04	0.14	6.60%
1	Head	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Tilt Left	0mm	\	20.72	22	0.1	0.13	0.041	0.06	0.08	6.60%
1	Head	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	20.72	22	0.071	0.10	0.035	0.05	0.14	6.60%
1	Head	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Tilt Right	0mm	\	20.72	22	0.079	0.11	0.032	0.04	0.13	6.60%
1	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Front	10mm	\	20.72	22	0.012	0.02	0.005	0.01	-0.12	6.60%
1	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	10mm	\	20.72	22	0.016	0.02	0.006	0.01	-0.02	6.60%
1	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Left	10mm	\	20.72	22	0.02	0.03	0.01	0.01	0.12	6.60%
1	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Right	10mm	\	20.72	22	0.016	0.02	0.008	0.01	-0.18	6.60%
1	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Bottom	10mm	\	20.72	22	0.012	0.02	0.004	0.01	0.04	6.60%
1	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Top	10mm	\	20.72	22	0.015	0.02	0.008	0.01	-0.03	6.60%
1	BodyWorn	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Front	15mm	\	20.72	22	0.016	0.02	0.01	0.01	0.16	6.60%
1	BodyWorn	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	15mm	\	20.72	22	0.012	0.02	0.007	0.01	-0.11	6.60%
1	Head	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Left	0mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Head	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Tilt Left	0mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Head	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Head	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Tilt Right	0mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Front	10mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Rear	10mm	\	20.97	22	0.028	0.03	0.0125	0.02	0.12	6.60%
1	Hotspot	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Left	10mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Right	10mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Bottom	10mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	Hotspot	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Top	10mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	BodyWorn	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Front	15mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
1	BodyWorn	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Rear	15mm	\	20.97	22	<0.01	<0.01	<0.01	<0.01	\	6.60%
ANT2																	
2	Head	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.89	25	0.015	0.02	0.005	0.01	-0.16	6.60%
2	Head	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.89	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
2	Head	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	23.89	25	0.019	0.02	0.008	0.01	-0.16	6.60%
2	Head	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.89	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
2	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Front	10mm	\	23.89	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
2	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	10mm	\	23.89	25	0.021	0.03	0.04	0.05	-0.18	6.60%
2	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Left	10mm	\	23.89	25	0.016	0.02	0.03	0.04	0.11	6.60%
2	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Right	10mm	\	23.89	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
2	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Bottom	10mm	\	23.89	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
2	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Top	10mm	\	23.89	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
2	BodyWorn	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Front	15mm	\	23.89	25	<0.01	<0.01	<0.01	<0.01	\	6.60%
2	BodyWorn	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Rear										



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6	Head	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Cheek Left	0mm	\	21.61	23	0.063	0.09	0.024	0.03	-0.17	6.60%
6	Head	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Tilt Left	0mm	\	21.61	23	0.031	0.04	0.007	0.01	0.03	6.60%
6	Head	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.61	23	0.036	0.05	0.009	0.01	-0.07	6.60%
6	Head	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Tilt Right	0mm	\	21.61	23	0.03	0.04	0.007	0.01	0.11	6.60%
6	Hotspot	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Front	10mm	\	21.61	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Rear	10mm	\	21.61	23	0.069	0.10	0.029	0.04	-0.16	6.60%
6	Hotspot	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Left	10mm	\	21.61	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Right	10mm	\	21.61	23	0.06	0.11	0.034	0.02	0.12	6.60%
6	Hotspot	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Bottom	10mm	\	21.61	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Top	10mm	\	21.61	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	BodyWorn	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Front	15mm	\	21.61	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	BodyWorn	N77-L PC2	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Rear	15mm	\	21.61	23	0.0374	0.05	0.0182	0.03	0.14	6.60%
6	Head	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Cheek Left	0mm	\	21.93	23	0.113	0.14	0.036	0.05	0.19	6.60%
6	Head	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Tilt Left	0mm	\	21.93	23	0.033	0.04	0.007	0.01	-0.09	6.60%
6	Head	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	21.93	23	0.037	0.05	0.013	0.02	0.08	6.60%
6	Head	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Tilt Right	0mm	\	21.93	23	0.039	0.05	0.009	0.01	-0.17	6.60%
6	Hotspot	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Front	10mm	\	21.93	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Rear	10mm	\	21.93	23	0.231	0.30	0.095	0.12	-0.11	6.60%
6	Hotspot	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Left	10mm	\	21.93	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Right	10mm	\	21.93	23	0.308	0.39	0.115	0.15	0.15	6.60%
6	Hotspot	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Bottom	10mm	\	21.93	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Top	10mm	\	21.93	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	BodyWorn	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Front	15mm	\	21.93	23	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	BodyWorn	N77-H PC2	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Rear	15mm	\	21.93	23	0.143	0.18	0.0583	0.07	-0.05	6.60%
6	Head	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Cheek Left	0mm	\	18.68	20	0.011	0.01	0.006	0.01	0.06	6.60%
6	Head	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Tilt Left	0mm	\	18.68	20	0.014	0.02	0.005	0.01	0.18	6.60%
6	Head	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.68	20	0.008	0.01	0.003	0.00	-0.12	6.60%
6	Head	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Tilt Right	0mm	\	18.68	20	0.015	0.02	0.007	0.01	0.03	6.60%
6	Hotspot	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Front	10mm	\	18.68	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Rear	10mm	\	18.68	20	0.036	0.05	0.015	0.02	-0.11	6.60%
6	Hotspot	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Left	10mm	\	18.68	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Right	10mm	\	18.68	20	0.033	0.04	0.014	0.02	0.14	6.60%
6	Hotspot	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Bottom	10mm	\	18.68	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Top	10mm	\	18.68	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	BodyWorn	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Front	15mm	\	18.68	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	BodyWorn	N77-L PC3	636000	3540	30K 20M 25.12	DFT-s-OFDM QPSK	Rear	15mm	\	18.68	20	0.013	0.02	0.007	0.01	-0.02	6.60%
6	Head	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Cheek Left	0mm	\	18.87	20	0.06	0.08	0.019	0.02	-0.17	6.60%
6	Head	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Tilt Left	0mm	\	18.87	20	0.044	0.06	0.01	0.01	0.09	6.60%
6	Head	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.87	20	0.028	0.04	0.007	0.01	0.1	6.60%
6	Head	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Tilt Right	0mm	\	18.87	20	0.031	0.04	0.009	0.01	0.03	6.60%
6	Hotspot	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Front	10mm	\	18.87	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Rear	10mm	\	18.87	20	0.128	0.17	0.047	0.06	-0.06	6.60%
6	Hotspot	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Left	10mm	\	18.87	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Right	10mm	\	18.87	20	0.025	0.16	0.044	0.06	-0.01	6.60%
6	Hotspot	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Bottom	10mm	\	18.87	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	Hotspot	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Top	10mm	\	18.87	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	BodyWorn	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Front	15mm	\	18.87	20	<0.01	<0.01	<0.01	<0.01	\	6.60%
6	BodyWorn	N77-H PC3	654800	3822	30K 100M 135.67	DFT-s-OFDM QPSK	Rear	15mm	\	18.87	20	0.0568	0.07	0.0249	0.03	0.13	6.60%

ENDC-NR

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
0	Head	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.59	24.5	0.163	0.20	0.105	0.13	0
0	Head	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.59	24.5	0.174	0.21	0.108	0.13	0.13
0	Head	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	23.59	24.5	0.159	0.20	0.101	0.12	-0.06
0	Head	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.59	24.5	0.149	0.18	0.096	0.12	-0.13
0	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Front	10mm	\	18.91	19.5	0.215	0.25	0.123	0.14	0.17
0	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	10mm	\	18.91	19.5	0.244	0.28	0.13	0.15	-0.05
0	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Left	10mm	\	18.91	19.5	0.077	0.09	0.044	0.05	-0.02
0	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Right	10mm	\	18.91	19.5	0.051	0.06	0.03	0.03	-0.1
0	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Bottom	10mm	\	18.91	19.5	0.554	0.63	0.296	0.34	0.11
0	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Top	10mm	\	18.91	19.5	0.016	0.02	0.01	0.01	0.02
0	BodyWorn	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Front	15mm	\	23.59	24.5	0.396	0.49	0.235	0.29	0
0	BodyWorn	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	15mm	\	23.59	24.5	0.414	0.51	0.248	0.31	-0.02
4	Head	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	17.08	17.5	0.329	0.36	0.167	0.18	0.15
4	Head	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	17.08	17.5	0.395	0.44	0.192	0.21	0.19
4	Head	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	17.08	17.5	0.483	0.53	0.23	0.25	-0.17
4	Head	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	17.08	17.5	0.534	0.59	0.252	0.28	0.03
4	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Front	10mm	\	20.99	21.5	0.283	0.32	0.164	0.18	-0.18
4	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	10mm	\	20.99	21.5	0.57	0.64	0.314	0.35	0.01
4	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Left	10mm	\	20.99	21.5	0.153	0.17	0.091	0.10	0.09
4	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Right	10mm	\	20.99	21.5	0.083	0.10	0.053	0.06	0.11
4	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Bottom	10mm	\	20.99	21.5	0.032	0.04	0.014	0.02	0.1
4	Hotspot	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Top	10mm	\	20.99	21.5	0.471	0.53	0.249	0.28	-0.18
4	BodyWorn	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Front	15mm	\	23.61	24.5	0.318	0.39	0.189	0.23	0.05
4	BodyWorn	N2	376000	1880	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	15mm	\	23.61	24.5	0.578	0.71	0.33	0.41	0.03
0	Head	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	24.2	25	0.289	0.35	0.229	0.28	0.04
0	Head	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	24.2	25	0.152	0.18	0.125	0.15	-0.05
0	Head	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	24.2	25	0.289	0.35	0.229	0.28	0.04
0	Head	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	24.2	25	0.127	0.15	0.106	0.13	-0.1
0	Hotspot	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Front	10mm	\	24.2	25	0.255	0.31	0.18	0.22	-0.02
0	Hotspot	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	10mm	\	24.2	25	0.371	0.45	0.226	0.27	-0.05
0	Hotspot	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Left	10mm	\	24.2	25	0.224	0.27	0.14	0.17	-0.13
0	Hotspot	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Right	10mm	\	24.2	25	0.257	0.31	0.165	0.20	0.19
0	Hotspot	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Bottom	10mm	\	24.2	25	0.025	0.03	0.02	0.05	-0.16
0	Hotspot	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Top	10mm	\	24.2	25	<0.01	<0.01	<0.01	<0.01	\
0	BodyWorn	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Front	15mm	\	24.2	25	0.269	0.32	0.205	0.25	0.02
0	BodyWorn	N5	167300	836.5	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	15mm	\	24.2	25	0.29	0.35	0.222	0.27	0.03
0	Head	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	23.77	24.5	0.1	0.12	0.067	0.08	-0.14
0	Head	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	23.77	24.5	0.082	0.10	0.053	0.06	-0.18
0	Head	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	23.77	24.5	0.103	0.12	0.068	0.08	0.02
0	Head	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	23.77	24.5	0.059	0.07	0.04	0.05	0.09
0	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Front	10mm	\	17.71	18	0.293	0.31	0.163	0.17	0.03
0	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	10mm	\	17.71	18	0.497	0.53	0.262	0.28	-0.03
0	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Left	10mm	\	17.71	18	0.021	0.02	0.011	0.01	0.01
0	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Right	10mm	\	17.71	18	0.015	0.02	0.007	0.01	-0.05
0	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Bottom	10mm	\	17.71	18	0.569	0.61	0.309	0.33	-0.02
0	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Top	10mm	\	17.71	18	<0.01	<0.01	<0.01	<0.01	\
0	BodyWorn	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Front	15mm	\	21.53	22	0.446	0.50	0.276	0.31	-0.13
0	BodyWorn	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	15mm	\	21.53	22	0.801	0.67	0.365	0.38	-0.06
0	BodyWorn	N66	349000	1777.5	15K 5M 12.6	DFT-s-OFDM QPSK	Front	15mm	\	21.49	22	0.582	0.58	0.346	0.39	0.12
0	BodyWorn	N66	342500	1712.5	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	15mm	\	21.49	22	0.585	0.66	0.346	0.39	0.11
4	Head	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Left	0mm	\	17.32	17.5	0.403	0.42	0.223	0.23	-0.18
4	Head	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Left	0mm	\	17.32	17.5	0.466	0.49	0.237	0.25	0.16
4	Head	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Cheek Right	0mm	\	17.32	17.5	0.478	0.50	0.244	0.25	-0.07
4	Head	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Tilt Right	0mm	\	17.32	17.5	0.493	0.51	0.251	0.26	0.08
4	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Front	10mm	\	20.87	21	0.225	0.23	0.131	0.13	-0.06
4	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	10mm	\	20.87	21	0.818	0.43	0.238	0.24	0.02
4	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Left	10mm	\	20.87	21	0.113	0.12	0.068	0.07	0.04
4	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Right	10mm	\	20.87	21	0.043	0.04	0.026	0.03	0.06
4	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Bottom	10mm	\	20.87	21	-0.031	<0.01	<0.01	<0.01	\
4	Hotspot	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Top	10mm	\	20.87	21	0.256	0.17	0.15	0.18	0.18
4	BodyWorn	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Front	15mm	\	23.71	24.5	0.395	0.47	0.228	0.27	-0.14
4	BodyWorn	N66	349000	1745	15K 5M 12.6	DFT-s-OFDM QPSK	Rear	15mm	\	23.71	24.5	0.78	0.78	0.444	0.44	0.04

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty Cycle
3	Head	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Left	0mm	\	18.26	19.5	0.118	0.16	0.058	0.08	-0.01	57.00%
3	Head	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Tilt Left	0mm	\	18.26	19.5	0.111	0.15	0.053	0.07	0.03	57.00%
3	Head	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.26	19.5	0.481	0.64	0.205	0.27	-0.18	57.00%
3	Head	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Tilt Right	0mm	\	18.26	19.5	0.346	0.46	0.135	0.18	0.19	57.00%
3	Head	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Left	0mm	\	18.59	19.5	0.148	0.18	0.068	0.08	0.07	57.00%
3	Head	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Tilt Left	0mm	\	18.59	19.5	0.132	0.16	0.057	0.07	0.11	57.00%
3	Head	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	18.59	19.5	0.562	0.69	0.23	0.28	-0.06	57.00%
3	Head	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Tilt Right	0mm	\	18.59	19.5	0.344	0.42	0.136	0.17	0.14	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Front	10mm	\	20.69	22	0.305	0.41	0.136	0.18	0.17	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	10mm	\	20.69	22	0.563	0.76	0.226	0.31	-0.06	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Left	10mm	\	20.69	22	0.389	0.53	0.165	0.22	0.12	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Right	10mm	\	20.69	22	0.039	0.05	0.019	0.03	0.01	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Bottom	10mm	\	20.69	22	0.012	0.02	0.004	0.01	0.01	57.00%
3	Hotspot	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Top	10mm	\	20.69	22	0.368	0.52	0.151	0.20	-0.06	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Front	10mm	\	21.11	22	0.242	0.30	0.119	0.15	0.08	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Rear	10mm	\	21.11	22	0.364	0.45	0.16	0.20	0.12	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Left	10mm	\	21.11	22	0.488	0.60	0.205	0.25	0.03	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Right	10mm	\	21.11	22	0.034	0.04	0.017	0.02	0.06	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Bottom	10mm	\	21.11	22	<0.01	<0.01	<0.01	<0.01	\	57.00%
3	Hotspot	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Top	10mm	\	21.11	22	0.168	0.21	0.075	0.09	-0.07	57.00%
3	Body/Worn	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Front	15mm	\	23.98	25	0.393	0.50	0.179	0.23	0.17	57.00%
3	Body/Worn	N77-L PC2	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	15mm	\	23.98	25	0.596	0.75	0.258	0.33	-0.13	57.00%
3	Body/Worn	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Front	15mm	\	24.09	25	0.516	0.64	0.249	0.31	0	57.00%
3	Body/Worn	N77-H PC2	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Rear	15mm	\	24.09	25	0.584	0.72	0.275	0.34	-0.01	57.00%
3	Head	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Left	0mm	\	16.89	18	0.178	0.23	0.085	0.11	-0.1	77.00%
3	Head	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Tilt Left	0mm	\	16.89	18	0.224	0.29	0.105	0.14	-0.15	77.00%
3	Head	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Cheek Right	0mm	\	16.89	18	0.59	0.76	0.252	0.33	-0.14	77.00%
3	Head	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Tilt Right	0mm	\	16.89	18	0.449	0.58	0.169	0.22	-0.04	77.00%
3	Head	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Left	0mm	\	17.07	18	0.166	0.21	0.075	0.09	-0.07	77.00%
3	Head	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Tilt Left	0mm	\	17.07	18	0.161	0.20	0.068	0.08	0	77.00%
3	Head	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Cheek Right	0mm	\	17.07	18	0.582	0.72	0.235	0.29	-0.17	77.00%
3	Head	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Tilt Right	0mm	\	17.07	18	0.39	0.48	0.15	0.19	0.19	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Front	10mm	\	19.74	21	0.34	0.45	0.149	0.20	0.06	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	10mm	\	19.74	21	0.577	0.77	0.237	0.32	0.11	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Left	10mm	\	19.74	21	0.437	0.58	0.19	0.25	-0.17	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Right	10mm	\	19.74	21	0.051	0.07	0.021	0.03	0.02	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Bottom	10mm	\	19.74	21	<0.01	<0.01	<0.01	<0.01	\	77.00%
3	Hotspot	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Top	10mm	\	19.74	21	0.397	0.53	0.156	0.21	0.06	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Front	10mm	\	20.14	21	0.299	0.36	0.139	0.17	-0.19	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Rear	10mm	\	20.14	21	0.394	0.48	0.182	0.22	-0.18	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Left	10mm	\	20.14	21	0.521	0.64	0.217	0.26	0.13	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Right	10mm	\	20.14	21	0.044	0.05	0.022	0.03	-0.16	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Bottom	10mm	\	20.14	21	<0.01	<0.01	<0.01	<0.01	\	77.00%
3	Hotspot	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Top	10mm	\	20.14	21	0.231	0.28	0.093	0.11	0.01	77.00%
3	Body/Worn	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Front	15mm	\	21.78	23	0.374	0.50	0.175	0.23	-0.09	77.00%
3	Body/Worn	N77-L PC3	633334	3500.01	30K 20M 25_12	DFT-s-OFDM QPSK	Rear	15mm	\	21.78	23	0.519	0.69	0.228	0.30	-0.03	77.00%
3	Body/Worn	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Front	15mm	\	22.14	23	0.301	0.37	0.143	0.17	0.09	77.00%
3	Body/Worn	N77-H PC3	654800	3822	30K 100M 135_67	DFT-s-OFDM QPSK	Rear	15mm	\	22.14	23	0.331	0.40	0.149	0.18	-0.07	77.00%

11.3 WLAN Evaluation for WIFI/BT

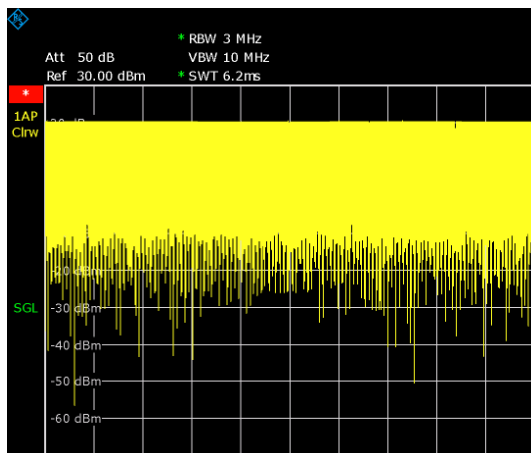
The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default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

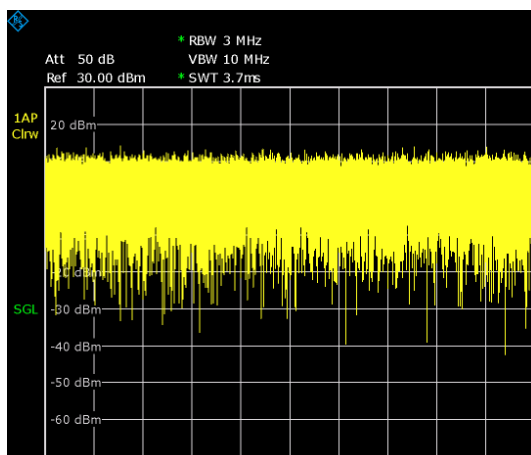
SAR Test reduction was applied from KDB 248227 guidance, when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest 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



WIFI2.4G

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty Cycle
5	Head	2.4G	6	2437	1M	802.11b	Cheek Left	0mm	F.35	16.39	17	0.86	0.99	0.421	0.48	0.19	100.00%
5	Head	2.4G	6	2437	1M	802.11b	Tilt Left	0mm	\	16.39	17	0.593	0.68	0.285	0.33	0.18	100.00%
5	Head	2.4G	6	2437	1M	802.11b	Cheek Right	0mm	\	16.39	17	0.256	0.29	0.144	0.17	-0.01	100.00%
5	Head	2.4G	6	2437	1M	802.11b	Tilt Right	0mm	\	16.39	17	0.205	0.24	0.112	0.13	0.15	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Front	10mm	\	18.88	19.5	0.274	0.32	0.148	0.17	-0.06	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Rear	10mm	\	18.88	19.5	0.256	0.30	0.14	0.16	0.01	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Left	10mm	\	18.88	19.5	<0.01	<0.01	<0.01	<0.01	\	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Right	10mm	F.36	18.88	19.5	0.334	0.39	0.17	0.20	0.18	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Bottom	10mm	\	18.88	19.5	<0.01	<0.01	<0.01	<0.01	\	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Top	10mm	\	18.88	19.5	0.099	0.11	0.049	0.06	0.16	100.00%
5	BodyWorn	2.4G	6	2437	1M	802.11b	Front	15mm	\	18.88	19.5	0.158	0.18	0.087	0.10	-0.07	100.00%
5	BodyWorn	2.4G	6	2437	1M	802.11b	Rear	15mm	\	18.88	19.5	0.137	0.16	0.076	0.09	0.12	100.00%

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty Cycle
5	Head	2.4G	6	2437	1M	802.11b	Cheek Left	0mm	\	11.55	12	0.199	0.22	0.099	0.11	0.09	100.00%
5	Head	2.4G	6	2437	1M	802.11b	Tilt Left	0mm	\	11.55	12	0.137	0.15	0.067	0.07	-0.14	100.00%
5	Head	2.4G	6	2437	1M	802.11b	Cheek Right	0mm	\	11.55	12	0.069	0.07	0.034	0.04	0.08	100.00%
5	Head	2.4G	6	2437	1M	802.11b	Tilt Right	0mm	\	11.55	12	0.048	0.05	0.026	0.03	0.03	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Front	10mm	\	17.89	18.5	0.224	0.26	0.123	0.14	0.05	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Rear	10mm	\	17.89	18.5	0.209	0.24	0.117	0.13	-0.11	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Left	10mm	\	17.89	18.5	<0.01	<0.01	<0.01	<0.01	\	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Right	10mm	\	17.89	18.5	0.273	0.31	0.142	0.16	0.07	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Bottom	10mm	\	17.89	18.5	<0.01	<0.01	<0.01	<0.01	\	100.00%
5	Hotspot	2.4G	6	2437	1M	802.11b	Top	10mm	\	17.89	18.5	0.081	0.09	0.041	0.05	0.12	100.00%
5	BodyWorn	2.4G	6	2437	1M	802.11b	Front	15mm	\	18.88	19.5	0.158	0.18	0.087	0.10	-0.07	100.00%
5	BodyWorn	2.4G	6	2437	1M	802.11b	Rear	15mm	\	18.88	19.5	0.137	0.16	0.076	0.09	0.12	100.00%

WIFI5G

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty Cycle
5	Head	5G	44	5220	6M	802.11a	Cheek Left	0mm	\	13.07	14	0.677	0.84	0.194	0.24	0.04	100.00%
5	Head	5G	44	5220	6M	802.11a	Tilt Left	0mm	F.37	13.07	14	0.909	1.13	0.228	0.28	0.18	100.00%
5	Head	5G	44	5220	6M	802.11a	Cheek Right	0mm	\	13.07	14	0.315	0.39	0.098	0.12	-0.12	100.00%
5	Head	5G	44	5220	6M	802.11a	Tilt Right	0mm	\	13.07	14	0.401	0.50	0.126	0.16	-0.09	100.00%
5	Head	5G	64	5320	6M	802.11a	Cheek Left	0mm	\	13.23	14	0.639	0.76	0.183	0.22	-0.12	100.00%
5	Head	5G	64	5320	6M	802.11a	Tilt Left	0mm	\	13.23	14	0.801	0.96	0.207	0.25	-0.14	100.00%
5	Head	5G	64	5320	6M	802.11a	Cheek Right	0mm	\	13.23	14	0.296	0.35	0.09	0.11	-0.19	100.00%
5	Head	5G	64	5320	6M	802.11a	Tilt Right	0mm	\	13.23	14	0.364	0.43	0.113	0.13	-0.15	100.00%
5	Head	5G	140	5700	6M	802.11a	Cheek Left	0mm	\	13.63	14	0.461	0.50	0.136	0.15	-0.12	100.00%
5	Head	5G	140	5700	6M	802.11a	Tilt Left	0mm	\	13.63	14	0.457	0.50	0.118	0.13	0.18	100.00%
5	Head	5G	140	5700	6M	802.11a	Cheek Right	0mm	\	13.63	14	0.138	0.15	0.043	0.05	0	100.00%
5	Head	5G	140	5700	6M	802.11a	Tilt Right	0mm	\	13.63	14	0.167	0.18	0.051	0.06	-0.06	100.00%
5	Head	5G	157	5785	6M	802.11a	Cheek Left	0mm	\	13.67	14	0.452	0.49	0.137	0.15	0.09	100.00%
5	Head	5G	157	5785	6M	802.11a	Tilt Left	0mm	\	13.67	14	0.379	0.41	0.102	0.11	-0.17	100.00%
5	Head	5G	157	5785	6M	802.11a	Cheek Right	0mm	\	13.67	14	0.105	0.11	0.035	0.04	-0.11	100.00%
5	Head	5G	157	5785	6M	802.11a	Tilt Right	0mm	\	13.67	14	0.127	0.14	0.04	0.04	0.05	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Front	10mm	\	16.44	17.00	0.486	0.55	0.169	0.19	-0.19	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Rear	10mm	\	16.44	17.00	0.842	0.96	0.3	0.34	0.15	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Left	10mm	\	16.44	17.00	0.044	0.05	0.014	0.02	0.14	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Right	10mm	\	16.44	17.00	0.343	0.39	0.137	0.16	-0.11	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Bottom	10mm	\	16.44	17.00	<0.01	<0.01	<0.01	<0.01		100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Top	10mm	\	16.44	17.00	0.37	0.42	0.131	0.15	0.15	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Front	10mm	\	16.33	17.00	0.454	0.53	0.151	0.18	-0.08	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Rear	10mm	\	16.33	17.00	0.711	0.83	0.235	0.27	-0.1	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Left	10mm	\	16.33	17.00	0.068	0.08	0.019	0.02	-0.06	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Right	10mm	\	16.33	17.00	0.273	0.32	0.105	0.12	-0.05	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Bottom	10mm	\	16.33	17.00	0.066	0.08	0.018	0.02	-0.14	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Top	10mm	\	16.33	17.00	0.19	0.22	0.066	0.08	0.13	100.00%
5	Hotspot	5G	124	5620	6M	802.11a	Front	10mm	\	18.43	19.00	0.22	0.25	0.093	0.11	0.03	100.00%
5	Hotspot	5G	124	5620	6M	802.11a	Rear	10mm	F.38	18.43	19.00	0.857	0.98	0.338	0.39	0.06	100.00%
5	Hotspot	5G	124	5620	6M	802.11a	Left	10mm	\	18.43	19.00	0.042	0.05	0.016	0.02	-0.12	100.00%
5	Hotspot	5G	124	5620	6M	802.11a	Right	10mm	\	18.43	19.00	0.266	0.30	0.119	0.14	0.07	100.00%
5	Hotspot	5G	124	5620	6M	802.11a	Bottom	10mm	\	18.43	19.00	0.057	0.06	0.016	0.02	0.09	100.00%
5	Hotspot	5G	124	5620	6M	802.11a	Top	10mm	\	18.43	19.00	0.212	0.24	0.082	0.09	0.05	100.00%
5	Hotspot	5G	157	5785	6M	802.11a	Front	10mm	\	18.41	19.00	0.215	0.25	0.084	0.10	0.08	100.00%
5	Hotspot	5G	157	5785	6M	802.11a	Rear	10mm	\	18.41	19.00	0.949	0.97	0.301	0.34	-0.02	100.00%
5	Hotspot	5G	157	5785	6M	802.11a	Left	10mm	\	18.41	19.00	0.051	0.06	0.013	0.01	0.08	100.00%
5	Hotspot	5G	157	5785	6M	802.11a	Right	10mm	\	18.41	19.00	0.393	0.45	0.15	0.17	-0.01	100.00%
5	Hotspot	5G	157	5785	6M	802.11a	Bottom	10mm	\	18.41	19.00	0.042	0.05	0.012	0.01	-0.14	100.00%
5	Hotspot	5G	157	5785	6M	802.11a	Top	10mm	\	18.41	19.00	0.15	0.17	0.047	0.05	0.09	100.00%
5	BodyWorn	5G	44	5220	6M	802.11a	Front	15mm	\	16.44	17.00	0.288	0.33	0.116	0.13	0.01	100.00%
5	BodyWorn	5G	44	5220	6M	802.11a	Rear	15mm	\	16.44	17.00	0.444	0.51	0.179	0.20	-0.01	100.00%
5	BodyWorn	5G	64	5320	6M	802.11a	Front	15mm	\	16.33	17.00	0.262	0.31	0.105	0.12	0.18	100.00%
5	BodyWorn	5G	64	5320	6M	802.11a	Rear	15mm	\	16.33	17.00	0.419	0.49	0.165	0.19	0.03	100.00%
5	BodyWorn	5G	124	5620	6M	802.11a	Front	15mm	\	18.43	19.00	0.163	0.19	0.072	0.08	0.05	100.00%
5	BodyWorn	5G	124	5620	6M	802.11a	Rear	15mm	\	18.43	19.00	0.69	0.76	0.26	0.30	0.03	100.00%
5	BodyWorn	5G	157	5785	6M	802.11a	Front	15mm	\	18.41	19.00	0.129	0.15	0.06	0.07	-0.07	100.00%
5	BodyWorn	5G	157	5785	6M	802.11a	Rear	15mm	\	18.41	19.00	0.583	0.67	0.25	0.29	0.09	100.00%

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift	Duty Cycle
5	Head	5G	44	5220	6M	802.11a	Cheek Left	0mm	\	8.03	9	0.196	0.25	0.059	0.07	0.04	100.00%
5	Head	5G	44	5220	6M	802.11a	Tilt Left	0mm	\	8.03	9	0.264	0.33	0.07	0.09	-0.12	100.00%
5	Head	5G	44	5220	6M	802.11a	Cheek Right	0mm	\	8.03	9	0.092	0.12	0.03	0.04	-0.12	100.00%
5	Head	5G	44	5220	6M	802.11a	Tilt Right	0mm	\	8.03	9	0.116	0.15	0.038	0.05	-0.09	100.00%
5	Head	5G	64	5320	6M	802.11a	Cheek Left	0mm	\	8.06	9	0.186	0.23	0.056	0.07	-0.12	100.00%
5	Head	5G	64	5320	6M	802.11a	Tilt Left	0mm	\	8.06	9	0.233	0.29	0.063	0.08	-0.14	100.00%
5	Head	5G	64	5320	6M	802.11a	Cheek Right	0mm	\	8.06	9	0.086	0.11	0.028	0.03	-0.19	100.00%
5	Head	5G	64	5320	6M	802.11a	Tilt Right	0mm	\	8.06	9	0.106	0.13	0.034	0.04	-0.15	100.00%
5	Head	5G	140	5700	6M	802.11a	Cheek Left	0mm	\	8.56	9	0.134	0.15	0.041	0.05	-0.12	100.00%
5	Head	5G	140	5700	6M	802.11a	Tilt Left	0mm	\	8.56	9	0.133	0.15	0.036	0.04	0.18	100.00%
5	Head	5G	140	5700	6M	802.11a	Cheek Right	0mm	\	8.56	9	0.04	0.04	0.013	0.01	0	100.00%
5	Head	5G	140	5700	6M	802.11a	Tilt Right	0mm	\	8.56	9	0.049	0.05	0.016	0.02	-0.06	100.00%
5	Head	5G	157	5785	6M	802.11a	Cheek Left	0mm	\	8.47	9	0.131	0.15	0.042	0.05	0.09	100.00%
5	Head	5G	157	5785	6M	802.11a	Tilt Left	0mm	\	8.47	9	0.11	0.12	0.031	0.04	-0.17	100.00%
5	Head	5G	157	5785	6M	802.11a	Cheek Right	0mm	\	8.47	9	0.031	0.04	0.011	0.01	-0.11	100.00%
5	Head	5G	157	5785	6M	802.11a	Tilt Right	0mm	\	8.47	9	0.037	0.04	0.012	0.01	0.05	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Front	10mm	\	12.75	13.5	0.132	0.16	0.048	0.06	-0.19	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Rear	10mm	\	12.75	13.5	0.244	0.29	0.085	0.10	-0.15	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Left	10mm	\	12.75	13.5	0.012	0.01	0.004	0.00	-0.05	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Right	10mm	\	12.75	13.5	0.093	0.11	0.039	0.05	-0.02	100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Bottom	10mm	\	12.75	13.5	<0.01	<0.01	<0.01	<0.01		100.00%
5	Hotspot	5G	44	5220	6M	802.11a	Top	10mm	\	12.75	13.5	0.101	0.12	0.037	0.04	0.1	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Front	10mm	\	12.67	13.5	0.123	0.15	0.043	0.05	0.19	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Rear	10mm	\	12.67	13.5	0.193	0.23	0.067	0.08	-0.06	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Left	10mm	\	12.67	13.5	0.018	0.02	0.005	0.01	0.17	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Right	10mm	\	12.67	13.5	0.074	0.09	0.03	0.04	0.07	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Bottom	10mm	\	12.67	13.5	0.018	0.02	0.005	0.01	-0.04	100.00%
5	Hotspot	5G	64	5320	6M	802.11a	Top	10mm	\	12.67	13.5	0.052	0.06	0.019	0.02	-0.11	100.00%

BT

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Figure No./Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
5	head	BT	78	2480	DH5	GFSK	Cheek Left	0mm	F.39	8.03	8.5	0.047	0.05	0.023	0.03	0.02
5	head	BT	78	2480	DH5	GFSK	Tilt Left	0mm	\	8.03	8.5	0.043	0.05	0.021	0.02	-0.12
5	head	BT	78	2480	DH5	GFSK	Cheek Right	0mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\
5	head	BT	78	2480	DH5	GFSK	Tilt Right	0mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\
5	Hotspot	BT	78	2480	DH5	GFSK	Front	10mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\
5	Hotspot	BT	78	2480	DH5	GFSK	Rear	10mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\
5	Hotspot	BT	78	2480	DH5	GFSK	Left	10mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\
5	Hotspot	BT	78	2480	DH5	GFSK	Right	10mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\
5	Hotspot	BT	78	2480	DH5	GFSK	Bottom	10mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\
5	Hotspot	BT	78	2480	DH5	GFSK	Top	10mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\
5	BodyWorn	BT	78	2480	DH5	GFSK	Front	15mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\
5	BodyWorn	BT	78	2480	DH5	GFSK	Rear	15mm	\	8.03	8.5	<0.01	<0.01	<0.01	<0.01	\

11.4 SAR results for Phablet

According to the KDB648474 D04, for smart phones, with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, that can provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets and support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance.

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. 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; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold. The normal tablet procedures in KDB Publication 616217 are required when the overall diagonal dimension of the device is > 20.0 cm. Hotspot mode SAR is not required when normal tablet procedures are applied. Extremity 10-g SAR is also not required for the front (top) surface of larger form factor full size tablets. The more conservative normal tablet SAR results can be used to support phablet mode 10-g extremity SAR.
3. The simultaneous transmission operating configurations applicable to voice and data transmissions for both phone and mini-tablet modes must be taken into consideration separately for 1-g and 10-g SAR to determine the simultaneous transmission SAR test exclusion and measurement requirements for the relevant wireless modes and exposure conditions

ANT	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Reported SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Reported SAR 10g (W/kg)	Power Drift
0	WCDMA1900	9262	1852.4	\	23.27	24	6.04	7.15	2.73	3.23	-0.03
0	WCDMA1700	1412	1732.4	\	23.41	24	6.94	7.95	2.91	3.33	0.08
0	WCDMA1700	1412	1732.4	\	22.17	23	5.9	7.14	2.68	3.24	0.04
0	LTE B2	18700	1860	1RB-Middle	23.45	24.5	2.03	2.59	0.949	1.21	0.11
4	LTE B2	18900	1880	1RB-Middle	23.13	23.5	4.62	5.03	2.05	2.23	-0.04
0	LTE B4	20175	1732.5	1RB-Middle	21.44	22	4.77	5.43	2.24	2.55	0.18
0	LTE B4	20300	1745	1RB-Middle	21.32	22	4.61	5.39	2.12	2.48	0.03
0	LTE B7	20850	2510	1RB-Middle	22.56	23.5	5.98	7.43	2.2	2.73	0.06
0	LTE B30	27710	2310	1RB-Middle	22.21	23	7.74	9.28	2.69	3.23	0.01
4	LTE B30	27710	2310	1RB-Middle	20.57	21	5.55	6.13	2.13	2.35	-0.05
4	LTE B30	27710	2310	1RB-Middle	20.57	21	5.81	6.41	2.02	2.23	-0.12
0	LTE B66	132322	1745	1RB-Middle	22.22	22.5	4.77	5.09	2.08	2.22	0.09
0	LTE B66	132572	1770	1RB-Middle	22.14	22.5	4.94	5.37	2.2	2.39	0.07
4	LTE B66	132322	1745	1RB-Middle	23.14	23.5	4.09	4.44	2.08	2.26	0.03
0	N2	376000	1880	15K 5M 12 6	23.59	24.5	5.69	7.02	2.51	3.10	-0.02
4	N2	376000	1880	15K 5M 12 6	23.59	24.5	5.69	7.02	2.51	3.10	0.09
0	N30	462000	2310	15K 5M 12 6	21.58	22.5	6.9	8.53	2.28	2.82	0.07
4	N30	462000	2310	15K 5M 12 6	19.92	20.5	5.84	6.67	2.23	2.55	0.19
4	N30	462000	2310	15K 5M 12 6	19.92	20.5	6.18	7.06	2.38	2.72	0.06
4	N30	462000	2310	15K 5M 12 6	19.92	20.5	7.33	8.38	2.53	2.89	-0.15
0	N66	349000	1745	15K 5M 12 6	21.74	22.5	4.17	4.97	1.92	2.29	0.07
0	N66	349000	1745	15K 5M 12 6	21.74	22.5	4.97	5.92	2.15	2.56	0.06
0	N66	349000	1745	15K 5M 12 6	21.74	22.5	5.05	6.02	2.28	2.72	0.07
4	N66	349000	1745	15K 5M 12 6	23.71	24.5	4.7	5.64	2.29	2.75	-0.09
3	N77-L PC2	633334	3500.01	30K 20M 25 12	23.98	25	5.7	7.21	1.97	2.49	0.03
3	N77-L PC2	633334	3500.01	30K 20M 25 12	23.98	25	8.3	10.50	2.46	3.11	0.01
3	N77-L PC2	633334	3500.01	30K 20M 25 12	23.98	25	5.39	6.82	2.15	2.72	-0.02
3	N77-L PC2	633334	3500.01	30K 20M 25 12	23.98	25	5.39	6.82	2.15	2.72	-0.02
3	N77-H PC2	654800	3822	30K 100M 135 67	23.75	25	7.54	10.05	2.28	3.04	-0.15
3	N77-L PC3	633334	3500.01	30K 20M 25 12	21.78	23	5.99	7.93	2.36	3.13	0.01
5	5G	124	5620	6M	18.43	19	6.09	6.94	1.47	1.68	-0.01
5	5G	124	5620	6M	18.43	19	3.21	3.66	1.03	1.17	0.04
5	5G	124	5620	6M	18.43	19	4.14	4.72	0.997	1.14	0.05
5	5G	124	5620	6M	14.58	15	2.69	2.96	0.655	0.72	0.09
5	5G	124	5620	6M	14.58	15	1.57	1.73	0.47	0.52	0.09
5	5G	124	5620	6M	14.58	15	1.91	2.10	0.44	0.48	0.16
5	5G	124	5620	6M	14.58	15	0.044	0.05	0.014	0.02	0.08

12 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 $< 0.80 \text{ W/kg}$; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is $\geq 0.80 \text{ W/kg}$, 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 $\geq 1.45 \text{ W/kg}$ ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is $\geq 1.5 \text{ W/kg}$ and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20

ANT	Frequency Band	Channel Number	Frequency (MHz)	RB/TX slot	Mode	Test Position	Distance	Highest Measured SAR 1g (W/kg)	First Repeated SAR(W/kg)	The Ratio	second Repeated SAR(W/kg)
0	WCDMA1900	9262	1852.4	\	RMC	Bottom	10mm	0.87	0.791	1.10	\
0	WCDMA1700	1412	1732.4	\	RMC	Bottom	10mm	0.816	0.785	1.04	\
0	WCDMA1700	1513	1752.6	\	RMC	Bottom	10mm	0.809	0.785	1.03	\
0	WCDMA1700	1412	1732.4	\	RMC	Rear	15mm	0.902	0.884	1.02	\
0	WCDMA1700	1513	1752.6	\	RMC	Rear	15mm	0.927	0.866	1.07	\
0	WCDMA1700	1312	1712.4	\	RMC	Rear	15mm	0.895	0.886	1.01	\
0	LTE B2	18700	1860	1RB-Middle	QPSK	Bottom	10mm	0.894	0.851	1.05	\
4	LTE B2	18900	1880	1RB-Middle	QPSK	Cheek Right	0mm	0.855	0.847	1.01	\
4	LTE B2	18900	1880	1RB-Middle	QPSK	Tilt Right	0mm	0.955	0.876	1.09	\
4	LTE B2	19100	1900	1RB-Middle	QPSK	Tilt Right	0mm	0.875	0.825	1.06	\
4	LTE B2	18700	1860	1RB-Middle	QPSK	Tilt Right	0mm	0.891	0.857	1.04	\
4	LTE B2	18900	1880	1RB-Middle	QPSK	Rear	10mm	0.859	0.818	1.05	\
4	LTE B2	19100	1900	1RB-Middle	QPSK	Rear	10mm	0.832	0.756	1.10	\
4	LTE B2	18700	1860	1RB-Middle	QPSK	Rear	10mm	0.838	0.769	1.09	\
0	LTE B4	20175	1732.5	1RB-Middle	QPSK	Bottom	10mm	0.809	0.735	1.10	\
0	LTE B4	20300	1745	1RB-Middle	QPSK	Bottom	10mm	0.868	0.819	1.06	\
0	LTE B4	20050	1720	1RB-Middle	QPSK	Bottom	10mm	0.812	0.804	1.01	\
0	LTE B4	20175	1732.5	1RB-Middle	QPSK	Rear	15mm	0.852	0.789	1.08	\
0	LTE B4	20300	1745	1RB-Middle	QPSK	Rear	15mm	0.858	0.817	1.05	\
0	LTE B4	20050	1720	1RB-Middle	QPSK	Rear	15mm	0.844	0.819	1.03	\
0	LTE B30	27710	2310	1RB-Middle	QPSK	Rear	10mm	0.852	0.835	1.02	\
4	LTE B30	27710	2310	1RB-Middle	QPSK	Tilt Right	0mm	0.876	0.819	1.07	\
4	LTE B30	27710	2310	1RB-Middle	QPSK	Top	10mm	0.93	0.861	1.08	\
4	LTE B30	27710	2310	1RB-Middle	QPSK	Rear	15mm	0.865	0.856	1.01	\
0	LTE B66	132572	1770	1RB-Middle	QPSK	Bottom	10mm	0.812	0.759	1.07	\
4	LTE B66	132322	1745	1RB-Middle	QPSK	Cheek Right	0mm	0.945	0.909	1.04	\
4	LTE B66	132322	1745	1RB-Middle	QPSK	Tilt Right	0mm	0.958	0.949	1.01	\
4	LTE B66	132322	1745	1RB-Middle	QPSK	Rear	10mm	0.939	0.878	1.07	\
4	LTE B66	132572	1770	1RB-Middle	QPSK	Rear	10mm	0.91	0.843	1.08	\
4	LTE B66	132072	1720	1RB-Middle	QPSK	Rear	10mm	0.917	0.841	1.09	\
0	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	0.896	0.845	1.06	\
0	N2	381500	1907.5	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	0.864	0.793	1.09	\
0	N2	370500	1852.5	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	0.849	0.809	1.05	\
4	N2	376000	1880	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	0.918	0.866	1.06	\
4	N2	381500	1907.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	0.851	0.81	1.05	\
4	N2	370500	1852.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	0.829	0.761	1.09	\
4	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	0.851	0.795	1.07	\
4	N30	462500	2312.5	15K 5M 12 6	DFT-s-OFDM QPSK	Tilt Right	0mm	0.805	0.732	1.10	\
4	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	10mm	0.867	0.834	1.04	\
4	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	0.971	0.943	1.03	\
4	N30	462500	2312.5	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	0.962	0.908	1.06	\
4	N30	461500	2307.5	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	0.949	0.863	1.10	\
4	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Top	10mm	0.904	0.829	1.09	\
4	N30	462000	2310	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	0.913	0.878	1.04	\
4	N30	462500	2312.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	0.868	0.789	1.10	\
4	N30	461500	2307.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	0.871	0.822	1.06	\
0	N66	349000	1745	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	0.889	0.823	1.08	\
0	N66	355500	1777.5	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	0.876	0.859	1.02	\
0	N66	342500	1712.5	15K 5M 12 6	DFT-s-OFDM QPSK	Bottom	10mm	0.854	0.806	1.06	\
0	N66	349000	1745	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	0.911	0.902	1.01	\
0	N66	355500	1777.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	0.873	0.808	1.08	\
0	N66	342500	1712.5	15K 5M 12 6	DFT-s-OFDM QPSK	Rear	15mm	0.887	0.861	1.03	\
3	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Right	0mm	0.852	0.775	1.10	\
3	N77-L PC2	636000	3540	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Right	0mm	0.836	0.789	1.06	\
3	N77-L PC2	630668	3460.02	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Right	0mm	0.828	0.82	1.01	\
3	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Right	0mm	0.807	0.791	1.02	\
3	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	10mm	0.89	0.856	1.04	\
3	N77-L PC2	636000	3540	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	10mm	0.872	0.847	1.03	\
3	N77-L PC2	630668	3460.02	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	10mm	0.858	0.787	1.09	\
3	N77-L PC2	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	10mm	0.803	0.73	1.10	\
3	N77-H PC2	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Left	10mm	0.955	0.918	1.04	\
3	N77-H PC2	662000	3930	30K 100M 135 67	DFT-s-OFDM QPSK	Left	10mm	0.879	0.829	1.06	\
3	N77-H PC2	659600	3894	30K 100M 135 67	DFT-s-OFDM QPSK	Left	10mm	0.862	0.791	1.09	\
3	N77-H PC2	657200	3858	30K 100M 135 67	DFT-s-OFDM QPSK	Left	10mm	0.921	0.853	1.08	\
3	N77-H PC2	652400	3786	30K 100M 135 67	DFT-s-OFDM QPSK	Left	10mm	0.934	0.916	1.02	\
3	N77-H PC2	650000	3750	30K 100M 135 67	DFT-s-OFDM QPSK	Left	10mm	0.896	0.845	1.06	\
3	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Right	0mm	0.93	0.869	1.07	\
3	N77-L PC3	636000	3540	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Right	0mm	0.904	0.845	1.07	\
3	N77-L PC3	630668	3460.02	30K 20M 25 12	DFT-s-OFDM QPSK	Cheek Right	0mm	0.884	0.826	1.07	\
3	N77-H PC3	654800	3822	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Right	0mm	0.915	0.888	1.03	\
3	N77-H PC3	662000	3930	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Right	0mm	0.875	0.795	1.10	\
3	N77-H PC3	659600	3894	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Right	0mm	0.887	0.829	1.07	\
3	N77-H PC3	657200	3858	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Right	0mm	0.858	0.809	1.06	\
3	N77-H PC3	652400	3786	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Right	0mm	0.847	0.792	1.07	\
3	N77-H PC3	650000	3750	30K 100M 135 67	DFT-s-OFDM QPSK	Cheek Right	0mm	0.858	0.841	1.02	\
3	N77-L PC3	633334	3500.01	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	10mm	0.825	0.817	1.01	\
3	N77-L PC3	636000	3540	30K 20M 25 12	DFT-s-OFDM QPSK	Rear	10mm	0.802	0.736	1.09	\
5	2.4G	6	2437	1M	802.11b	Cheek Left	0mm	0.86	0.835	1.03	\
5	5G	44	5220	6M	802.11a	Tilt Left	0mm	0.909	0.842	1.08	\
5	5G	64	5320	6M	802.11a	Tilt Left	0mm	0.801	0.778	1.03	\
5	5G	44	5220	6M	802.11a	Rear	10mm	0.842	0.765	1.10	\
5	5G	124	5620	6M	802.11a	Rear	10mm	0.857	0.816	1.05	\
5	5G	157	5785	6M	802.11a	Rear	10mm	0.849	0.824	1.03	\

13 Simultaneous TX SAR Considerations

13.1 Transmit Antenna Separation Distances

The detail for transmit antenna separation distances is described in the additional document:

Appendix to test report No.25T04Z100884-020

The photos of SAR test

13.2 Simultaneous Transmission

13.2.1 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 WLAN and Bluetooth devices which may simultaneously transmit with the licensed transmitter. KDB 447498 D01 provides two procedures for determining simultaneous transmission SAR test exclusion: Sum of SAR and SAR to Peak Location Ratio (SPLSR)

13.2.2 Sum of SAR

To qualify for simultaneous transmission SAR test exclusion based upon Sum of SAR the sum of the reported standalone SARs for all simultaneously transmitting antennas shall be below the applicable standalone SAR limit. If the sum of the SARs is above the applicable limit then simultaneous transmission SAR test exclusion may still apply if the requirements of the SAR to Peak Location Ratio (SPLSR) evaluation are met.

13.2.3 SAR to Peak Location Ratio (SPLSR)

KDB 447498 D01 General RF Exposure Guidance explains how to calculate the SAR to Peak Location Ratio (SPLSR) between pairs of simultaneously transmitting antennas:

$$SPLSR = (SAR1 + SAR2)^{1.5} / Ri$$

Where:

SAR1 is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition.

SAR2 is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating mode and exposure condition as the first .

Ri is the separation distance between the pair of simultaneous transmitting antennas. When the SAR is measured, for both antennas in the pair, it is determined by the actual x, y and z coordinates in the 1-g SAR for each SAR peak location, based on the extrapolated and interpolated result in the zoom scan measurement, using the formula of

$$[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$$

In order for a pair of simultaneous transmitting antennas with the sum of 1-g SAR > 1.6 W/kg to qualify for exemption from Simultaneous Transmission SAR measurements, it has to satisfy the condition of:

$$(SAR1 + SAR2)^{1.5} / Ri \leq 0.04$$

When an individual antenna transmits at on two bands simultaneously, the sum of the highest reported SAR for the frequency bands should be used to determine *SAR1* or *SAR2*. When SPLSR is necessary, the smallest distance between the peak SAR locations for the antenna pair with respect to the peaks from each antenna should be used.

13.3 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

Note:

- The reported SAR summation is calculated based on the same configuration and test position.
- For the devices edges with antennas more than 2.5 cm from edge are not required to be evaluated for SAR, we determined the SAR of this edges were less than 0.01. For the convenience of simultaneous transmission calculation, all SAR values less than 0.01 are uniformly written as 0.00

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

Test Position	SAR (W/kg)	ANT0																simultaneous transmission																MAX. SAR 1g
		WCDMA1500	WCDMA1700	WCDMA850	LTE R2	LTE R2	LTE R4	LTE R5	LTE R7	LTE R12	LTE R12	LTE R14	LTE R18	LTE R20	LTE R96	LTE R96	WLAN	WIFI2.4G ANT5	WIFI5G ANT5	BT ANT5	1-2	1-3	1-3-4											
Head	Left's Cheek	0.170	0.080	0.320	0.190	0.620	0.080	0.350	0.060	0.320	0.260	0.340	0.160	0.420	0.140	0.610	0.620	0.220	0.250	0.000	0.840	0.970	0.920	0.920										
	Left's T111	0.080	0.080	0.320	0.190	0.720	0.060	0.220	0.060	0.260	0.270	0.160	0.150	0.080	0.080	0.680	0.720	0.150	0.220	0.000	0.880	1.000	1.110	1.110										
	Right's Cheek	0.110	0.150	0.360	0.220	0.920	0.100	0.410	0.080	0.360	0.310	0.310	0.150	0.380	0.180	0.980	0.990	0.070	0.120	0.000	1.110	1.110	1.110	1.110										
	Right's T111	0.080	0.080	0.320	0.190	1.040	0.060	0.190	0.060	0.320	0.340	0.140	0.110	1.040	0.070	1.010	1.040	0.050	0.150	0.000	1.050	1.150	1.150	1.150										
Body 11mm	Front	0.490	0.370	0.270	0.290	0.860	0.380	0.580	0.310	0.340	0.670	0.340	0.480	0.340	0.260	0.360	0.360	0.260	0.460	0.000	0.820	0.720	0.820	0.820										
	Back	0.500	0.460	0.410	0.430	1.180	0.600	0.470	0.460	0.460	0.320	0.460	1.000	0.620	0.660	0.920	1.180	0.240	0.260	0.000	1.420	1.470	1.470	1.470										
	Left's	0.160	0.020	0.130	0.130	0.320	0.040	0.290	0.040	0.380	0.080	0.240	0.220	0.130	0.040	0.220	0.280	0.000	0.020	0.000	0.380	0.400	0.400	0.400										
	Right's	0.160	0.020	0.130	0.130	0.320	0.040	0.290	0.040	0.380	0.080	0.240	0.220	0.130	0.040	0.220	0.280	0.000	0.020	0.000	0.380	0.400	0.400	0.400										
Body 13mm	Front	0.500	0.420	0.320	0.350	0.820	0.420	0.620	0.340	0.370	0.620	0.420	0.570	0.420	0.260	0.370	0.370	0.260	0.460	0.000	0.760	0.870	0.870	0.870										
	Back	0.740	1.120	0.370	0.700	0.820	1.120	0.340	0.890	0.440	0.990	0.340	0.520	0.990	0.720	0.610	1.120	0.160	0.300	0.000	1.290	1.430	1.430	1.430										
	Left's	0.160	0.020	0.130	0.130	0.320	0.040	0.290	0.040	0.380	0.080	0.240	0.220	0.130	0.040	0.220	0.280	0.000	0.020	0.000	0.380	0.400	0.400	0.400										
	Right's	0.160	0.020	0.130	0.130	0.320	0.040	0.290	0.040	0.380	0.080	0.240	0.220	0.130	0.040	0.220	0.280	0.000	0.020	0.000	0.380	0.400	0.400	0.400										

Test Position	SAR (W/kg)	ANT0																simultaneous transmission																MAX. SAR 1g
		N2	N2	N5	N30	N30	N66	N66	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	HT-1-pc2	WLAN	WIFI2.4G ANT5	WIFI5G ANT5	BT ANT5	1-2	1-3	1-3-4				
Head	Left's Cheek	0.300	0.540	0.360	0.480	0.430	0.120	0.670	0.270	0.260	0.270	0.220	0.060	0.500	0.120	0.630	0.620	0.000	0.000	0.000	0.590	0.590	0.410	0.010	0.080	0.670	0.260	0.250	0.000	0.890	0.920	0.970	0.970	
	Left's T111	0.210	0.620	0.180	0.670	0.630	0.000	0.770	0.250	0.220	0.060	0.130	0.000	0.610	0.130	0.600	0.600	0.000	0.000	0.000	0.610	0.590	0.410	0.030	0.110	0.770	0.260	0.250	0.000	1.100	1.110	1.150	1.150	
	Right's Cheek	0.300	0.800	0.360	0.120	0.450	0.120	0.790	0.120	0.120	0.110	0.120	0.000	0.610	0.100	0.600	0.600	0.000	0.000	0.000	0.600	0.600	0.600	0.010	0.040	1.110	0.260	0.250	0.000	1.280	1.310	1.350	1.350	
	Right's T111	0.210	0.620	0.180	0.670	0.630	0.000	0.770	0.250	0.220	0.060	0.130	0.000	0.610	0.130	0.600	0.600	0.000	0.000	0.000	0.610	0.590	0.410	0.030	0.110	0.770	0.260	0.250	0.000	1.100	1.110	1.150	1.150	
Body 11mm	Front	0.300	0.510	0.310	0.140	0.480	0.300	0.360	0.660	0.170	0.450	0.320	0.030	0.600	0.000	0.600	0.600	0.000	0.000	0.000	0.590	0.590	0.410	0.010	0.080	0.670	0.260	0.250	0.000	0.890	0.920	0.970	0.970	
	Back	0.450	1.020	0.450	0.280	0.110	0.850	0.720	0.190	0.860	0.115	0.720	0.060	0.650	0.030	0.630	0.630	0.000	0.000	0.000	0.590	0.590	0.410	0.300	0.170	1.250	0.260	0.250	0.000	1.440	1.450	1.490	1.490	
	Left's	0.140	0.280	0.170	0.090	0.220	0.030	0.200	0.330	0.100	0.390	0.390	0.020	0.600	0.000	0.600	0.600	0.000	0.000	0.000	0.610	0.610	0.430	0.030	0.110	0.770	0.260	0.250	0.000	1.100	1.110	1.150	1.150	
	Right's	0.140	0.280	0.170	0.090	0.220	0.030	0.200	0.330	0.100	0.390	0.390	0.020	0.600	0.000	0.600	0.600	0.000	0.000	0.000	0.610	0.610	0.430	0.030	0.110	0.770	0.260	0.250	0.000	1.100	1.110	1.150	1.150	
Body 13mm	Front	0.300	0.510	0.310	0.140	0.480	0.300	0.360	0.660	0.170	0.450	0.320	0.030	0.600	0.000	0.600	0.600	0.000	0.000	0.000	0.590	0.590	0.410	0.010	0.080	0.670	0.260	0.250	0.000	0.890	0.920	0.970	0.970	
	Back	0.450	1.020	0.450	0.280	0.110	0.850	0.720	0.190	0.860	0.115	0.720	0.060	0.650	0.030	0.630	0.630	0.000	0.000	0.000	0.590	0.590	0.410	0.300	0.170	1.250	0.260	0.250	0.000	1.440	1.450	1.490	1.490	
	Left's	0.140	0.280	0.170	0.090	0.220	0.030	0.200	0.330	0.100	0.390	0.390	0.020	0.600	0.000	0.600	0.600	0.000	0.000	0.000	0.610	0.610	0.430	0.030	0.110	0.770	0.260	0.250	0.000	1.100	1.110	1.150	1.150	
	Right's	0.140	0.280	0.170	0.090	0.220	0.030	0.200	0.330	0.100	0.390	0.390	0.020	0.600	0.000	0.600	0.600	0.000	0.000	0.000	0.610	0.610	0.430	0.030	0.110	0.770	0.260	0.250	0.000	1.100	1.110	1.150	1.150	

Test Position	SAR (W/kg)	ANT0																simultaneous transmission				MAX. SAR 1g				
		N2	N2	N5	N20	N30	N66	N66	577-L pc-1	577-R pc-1	577-L pc-2	577-R pc-2	577-L pc-3	577-R pc-3	577-L pc-4	577-R pc-4	577-L pc-5	577-R pc-5	WLAN	WIFI2.4G ANT5	WIFI5G ANT5	BT ANT5				
Head	Left's Cheek	0.200	0.540	0.350	0.160	0.400	0.120	0.470	0.270	0.260	0.270	0.320	0.000	0.000	0.120	0.000	0.020	0.000	0.000	0.000	0.140	0.010	0.080	0.470	0.920	0.970
	Left's T111	0.210	0.600	0.180	0.100	0.720	0.260	0.220	0.460	0.210	0.000	0.010	0.120	0.000	0.000	0.000	0.000	0.000	0.040	0.020	0.080	0.770	0.150	1.130	1.130	
	Right's Cheek	0.200	0.880	0.180	0.120	0.800	0.120	0.780	1.120	1.000	1.210	1.130	0.000	0.010	0.100	0.000	0.020	0.000	0.000	0.050	0.010	0.080	1.210	0.070	1.230	1.230
	Right's T111	0.180	0.880	0.150	0.080	1.170	0.070	0.820	0.810	0.610	0.920	0.760	0.000	0.010	0.110	0.000	0.000	0.000	0.040	0.050	0.020	0.040	1.110	0.050	1.290	1.290
Body 11mm	Front	0.260	0.510	0.110	0.150	0.420	0.260	0.480	1.050	0.870	1.050	0.520	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Back	0.430	1.030	0.480	0.280	1.110	0.820	1.120	1.200	0.860	1.110	1.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left's	0.140	0.280	0.270	0.090	0.220	0.000	0.260	0.830	1.160	0.840	0.520	0.060	0.040	0.000	0.000	0.020	0.140	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right's	0.090	0.020	0.110	0.000	0.000	0.020	0.070	0.080	0.080	0.100	0.080	0.040	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Body 13mm	Front	0.490	0.960	0.040	0.060	0.970	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Back	0.510	0.710	0.350	0.110	1.030	1.000	0.780	0.970	0.720	0.690	0.400	0.030	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Test Position		ENDC-NR		ENDC-LTE						SUM
		N2 ANTO	LTER12 ANTO	LTER13 ANTO	LTER12 ANTO	LTER14 ANTO	LTER30 ANTO	LTER66 ANTO		
Head	Left Check	0.260	0.410	0.350	0.260	0.340	0.300	0.380	0.610	
	Left Tilt	0.410	0.470	0.300	0.370	0.160	0.410	0.330	0.680	
	Right Check	0.260	0.460	0.350	0.260	0.340	0.300	0.380	0.620	
	Right Tilt	0.480	0.670	0.190	0.190	0.140	0.730	0.630	0.910	
	Front	0.250	0.320	0.380	0.070	0.340	0.230	0.350	0.630	
	Left	0.090	0.180	0.290	0.080	0.240	0.080	0.190	0.380	
Body 10mm	Right	0.080	0.110	0.380	0.050	0.440	0.010	0.590	0.440	
	Bottom	0.430	0.090	0.110	0.050	0.340	0.000	0.660	0.880	
	Top	0.050	0.530	0.060	0.100	0.060	0.710	0.020	0.730	
	Front	0.480	0.480	0.290	0.080	0.260	0.350	0.320	0.950	
	Back	0.390	0.260	0.260	0.680	0.340	0.730	0.610	1.260	
	Right	0.710	0.330	0.340	1.050					
Test Position		ENDC-NR		ENDC-LTE				SUM		
		N2 ANTO	LTER13 ANTO	LTER14 ANTO						
Head	Left Check	0.360	0.350	0.340	0.710					
	Left Tilt	0.440	0.200	0.160	0.640					
	Right Check	0.360	0.410	0.340	0.760					
	Right Tilt	0.590	0.190	0.140	0.780					
	Front	0.320	0.380	0.340	0.760					
	Right	0.640	0.470	0.440	1.110					
Body 10mm	Left	0.170	0.290	0.240	0.450					
	Right	0.100	0.380	0.340	0.480					
	Bottom	0.640	0.140	0.180	0.260					
	Top	0.530	0.090	0.090	0.530					
	Front	0.490	0.480	0.290	0.680					
	Back	0.390	0.260	0.260	0.680					
Test Position		ENDC-NR		ENDC-LTE				SUM		
		N5 ANTO	LTER12 ANTO	LTER30 ANTO	LTER66 ANTO					
Head	Left Check	0.350	0.410	0.390	0.380	0.760				
	Left Tilt	0.180	0.470	0.410	0.430	0.450				
	Right Check	0.160	0.470	0.730	0.630	0.920				
	Right Tilt	0.310	0.380	0.260	0.300	0.480				
	Front	0.450	0.670	0.060	0.700	1.150				
	Back	0.270	0.180	0.080	0.190	0.450				
Body 10mm	Left	0.110	0.110	0.090	0.090	0.420				
	Right	0.090	0.090	0.090	0.090	0.090				
	Bottom	0.490	0.450	0.710	0.450	0.710				
	Top	0.350	0.450	0.710	0.450	0.710				
	Front	0.760	0.340	0.340	0.610	1.100				
	Back	0.350	0.450	0.710	0.450	0.710				
Test Position		ENDC-NR		ENDC-LTE				SUM		
		N66 ANTO	LTER14 ANTO							
Head	Left Check	0.420	0.340	0.760						
	Left Tilt	0.490	0.180	0.680						
	Right Check	0.560	0.310	0.810						
	Right Tilt	0.310	0.380	0.260						
	Front	0.230	0.340	0.570						
	Back	0.430	0.090	0.890						
Body 10mm	Left	0.180	0.240	0.360						
	Right	0.040	0.140	0.180						
	Bottom	0.060	0.180	0.240						
	Top	0.290	0.090	0.290						
	Front	0.470	0.260	0.730						
	Back	0.760	0.340	1.120						
Test Position		ENDC-NR		ENDC-LTE						SUM
		N66 ANTO	LTER12 ANTO	LTER13 ANTO	LTER14 ANTO	LTER30 ANTO	LTER66 ANTO			
Head	Left Check	0.120	0.410	0.260	0.340	0.300	0.380	0.820		
	Left Tilt	0.090	0.370	0.160	0.410	0.160	0.430	0.670		
	Right Check	0.120	0.410	0.260	0.340	0.300	0.380	0.820		
	Right Tilt	0.070	0.370	0.160	0.410	0.160	0.430	0.670		
	Front	0.310	0.320	0.450	0.340	0.230	0.350	0.630		
	Left	0.090	0.090	0.290	0.460	0.080	0.700	1.090		
Body 10mm	Right	0.090	0.090	0.090	0.090	0.090	0.090	0.090		
	Bottom	0.410	0.090	0.110	0.050	0.340	0.010	0.440		
	Top	0.090	0.530	0.100	0.090	0.710	0.420	0.410		
	Front	0.490	0.480	0.290	0.080	0.260	0.350	0.660		
	Back	0.210	0.750	0.340	0.050	0.340	0.750	1.260		
	Right	0.670	0.330	0.340	1.050					
Test Position		ENDC-NR		ENDC-LTE						SUM
		N66 ANTO	LTER14 ANTO							
Head	Left Check	0.420	0.340	0.760						
	Left Tilt	0.490	0.180	0.680						
	Right Check	0.560	0.310	0.810						
	Right Tilt	0.310	0.380	0.260						
	Front	0.230	0.340	0.570						
	Back	0.430	0.090	0.890						
Body 10mm	Left	0.180	0.240	0.360						
	Right	0.040	0.140	0.180						
	Bottom	0.060	0.180	0.240						
	Top	0.290	0.090	0.290						
	Front	0.470	0.260	0.730						
	Back	0.760	0.340	1.120						
Test Position		ENDC-NR		ENDC-LTE						SUM
		N77 ANTO	LTER12 ANTO	LTER13 ANTO	LTER12 ANTO	LTER14 ANTO	LTER30 ANTO	LTER66 ANTO		
Head	Left Check	0.160	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Left Tilt	0.150	0.150	0.200	0.200	0.160	0.170	0.090	0.350	
	Right Check	0.160	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Right Tilt	0.150	0.150	0.200	0.200	0.160	0.170	0.090	0.350	
	Front	0.410	0.280	0.380	0.350	0.340	0.230	0.220	0.760	
	Left	0.090	0.090	0.290	0.380	0.240	0.130	0.020	0.650	
Body 10mm	Right	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	
	Bottom	0.410	0.090	0.110	0.050	0.340	0.010	0.440	0.810	
	Top	0.090	0.530	0.100	0.090	0.710	0.420	0.410	0.410	
	Front	0.490	0.480	0.290	0.080	0.260	0.350	0.660	0.660	
	Back	0.210	0.750	0.340	0.050	0.340	0.750	1.260	1.260	
	Right	0.670	0.330	0.340	1.050					
Test Position		ENDC-NR		ENDC-LTE						SUM
		N77 ANTO	LTER12 ANTO	LTER13 ANTO	LTER12 ANTO	LTER14 ANTO	LTER30 ANTO	LTER66 ANTO		
Head	Left Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Left Tilt	0.200	0.190	0.200	0.200	0.160	0.170	0.090	0.350	
	Right Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Right Tilt	0.200	0.190	0.200	0.200	0.160	0.170	0.090	0.350	
	Front	0.460	0.280	0.380	0.350	0.340	0.230	0.220	0.760	
	Left	0.090	0.090	0.290	0.380	0.240	0.130	0.020	0.650	
Body 10mm	Right	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	
	Bottom	0.410	0.090	0.110	0.050	0.340	0.010	0.440	0.810	
	Top	0.090	0.530	0.100	0.090	0.710	0.420	0.410	0.410	
	Front	0.490	0.480	0.290	0.080	0.260	0.350	0.660	0.660	
	Back	0.210	0.750	0.340	0.050	0.340	0.750	1.260	1.260	
	Right	0.670	0.330	0.340	1.050					
Test Position		ENDC-NR		ENDC-LTE						SUM
		N77 ANTO	LTER12 ANTO	LTER13 ANTO	LTER12 ANTO	LTER14 ANTO	LTER30 ANTO	LTER66 ANTO		
Head	Left Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Left Tilt	0.200	0.190	0.200	0.200	0.160	0.170	0.090	0.350	
	Right Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Right Tilt	0.200	0.190	0.200	0.200	0.160	0.170	0.090	0.350	
	Front	0.460	0.280	0.380	0.350	0.340	0.230	0.220	0.760	
	Left	0.090	0.090	0.290	0.380	0.240	0.130	0.020	0.650	
Body 10mm	Right	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	
	Bottom	0.410	0.090	0.110	0.050	0.340	0.010	0.440	0.810	
	Top	0.090	0.530	0.100	0.090	0.710	0.420	0.410	0.410	
	Front	0.490	0.480	0.290	0.080	0.260	0.350	0.660	0.660	
	Back	0.210	0.750	0.340	0.050	0.340	0.750	1.260	1.260	
	Right	0.670	0.330	0.340	1.050					
Test Position		ENDC-NR		ENDC-LTE						SUM
		N77 ANTO	LTER12 ANTO	LTER13 ANTO	LTER12 ANTO	LTER14 ANTO	LTER30 ANTO	LTER66 ANTO		
Head	Left Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Left Tilt	0.200	0.190	0.200	0.200	0.160	0.170	0.090	0.350	
	Right Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Right Tilt	0.200	0.190	0.200	0.200	0.160	0.170	0.090	0.350	
	Front	0.460	0.280	0.380	0.350	0.340	0.230	0.220	0.760	
	Left	0.090	0.090	0.290	0.380	0.240	0.130	0.020	0.650	
Body 10mm	Right	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	
	Bottom	0.410	0.090	0.110	0.050	0.340	0.010	0.440	0.810	
	Top	0.090	0.530	0.100	0.090	0.710	0.420	0.410	0.410	
	Front	0.490	0.480	0.290	0.080	0.260	0.350	0.660	0.660	
	Back	0.210	0.750	0.340	0.050	0.340	0.750	1.260	1.260	
	Right	0.670	0.330	0.340	1.050					
Test Position		ENDC-NR		ENDC-LTE						SUM
		N77 ANTO	LTER12 ANTO	LTER13 ANTO	LTER12 ANTO	LTER14 ANTO	LTER30 ANTO	LTER66 ANTO		
Head	Left Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Left Tilt	0.200	0.190	0.200	0.200	0.160	0.170	0.090	0.350	
	Right Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Right Tilt	0.200	0.190	0.200	0.200	0.160	0.170	0.090	0.350	
	Front	0.460	0.280	0.380	0.350	0.340	0.230	0.220	0.760	
	Left	0.090	0.090	0.290	0.380	0.240	0.130	0.020	0.650	
Body 10mm	Right	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	
	Bottom	0.410	0.090	0.110	0.050	0.340	0.010	0.440	0.810	
	Top	0.090	0.530	0.100	0.090	0.710	0.420	0.410	0.410	
	Front	0.490	0.480	0.290	0.080	0.260	0.350	0.660	0.660	
	Back	0.210	0.750	0.340	0.050	0.340	0.750	1.260	1.260	
	Right	0.670	0.330	0.340	1.050					
Test Position		ENDC-NR		ENDC-LTE						SUM
		N77 ANTO	LTER12 ANTO	LTER13 ANTO	LTER12 ANTO	LTER14 ANTO	LTER30 ANTO	LTER66 ANTO		
Head	Left Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Left Tilt	0.200	0.190	0.200	0.200	0.160	0.170	0.090	0.350	
	Right Check	0.230	0.190	0.350	0.330	0.340	0.150	0.140	0.610	
	Right Tilt	0.200	0.1							

Test Position \ SAR 1g(W/kg)		LTE-ULCA				SUM
		LTEB2 ANT4	LTEB5 ANT0	LTEB12 ANT0	LTEB14 ANT0	
Head	Left Cheek	0.410	0.350	0.330	0.340	0.760
	Left Tilt	0.470	0.200	0.200	0.160	0.670
	Right Cheek	0.600	0.410	0.360	0.310	1.010
	Right Tilt	0.670	0.190	0.200	0.140	0.870
Body 10mm	Front	0.320	0.380	0.350	0.340	0.700
	Rear	0.670	0.470	0.460	0.460	1.140
	Left	0.180	0.290	0.380	0.240	0.560
	Right	0.110	0.380	0.450	0.340	0.560
	Bottom	0.000	0.110	0.080	0.180	0.180
	Top	0.530	0.000	0.000	0.000	0.530
Body 15mm	Front	0.460	0.290	0.390	0.260	0.850
	Rear	0.750	0.340	0.440	0.340	1.190

Test Position \ SAR 1g(W/kg)		LTE-ULCA				SUM
		LTEB30 ANT4	LTEB5 ANT0	LTEB12 ANT0	LTEB14 ANT0	
Head	Left Cheek	0.300	0.350	0.330	0.340	0.650
	Left Tilt	0.410	0.200	0.200	0.160	0.610
	Right Cheek	0.590	0.410	0.360	0.310	1.000
	Right Tilt	0.730	0.190	0.200	0.140	0.930
Body 10mm	Front	0.230	0.380	0.350	0.340	0.610
	Rear	0.560	0.470	0.460	0.460	1.030
	Left	0.080	0.290	0.380	0.240	0.460
	Right	0.010	0.380	0.450	0.340	0.460
	Bottom	0.000	0.110	0.080	0.180	0.180
	Top	0.710	0.000	0.000	0.000	0.710
Body 15mm	Front	0.320	0.290	0.390	0.260	0.710
	Rear	0.730	0.340	0.440	0.340	1.170

Test Position \ SAR 1g(W/kg)		LTE-ULCA				SUM
		LTEB66 ANT4	LTEB5 ANT0	LTEB12 ANT0	LTEB14 ANT0	
Head	Left Cheek	0.380	0.350	0.330	0.340	0.730
	Left Tilt	0.430	0.200	0.200	0.160	0.630
	Right Cheek	0.620	0.410	0.360	0.310	1.030
	Right Tilt	0.630	0.190	0.200	0.140	0.830
Body 10mm	Front	0.350	0.380	0.350	0.340	0.730
	Rear	0.700	0.470	0.460	0.460	1.170
	Left	0.190	0.290	0.380	0.240	0.570
	Right	0.090	0.380	0.450	0.340	0.540
	Bottom	0.000	0.110	0.080	0.180	0.180
	Top	0.420	0.000	0.000	0.000	0.420
Body 15mm	Front	0.320	0.290	0.390	0.260	0.710
	Rear	0.610	0.340	0.440	0.340	1.050

Test Position \ SAR 10g(W/kg)		1	2	3	4
		WWAN	WIFI2.4G ANT5	WIFI5G ANT5	BT ANT5
Head	Left Cheek	0.760	0.220	0.250	0.050
	Left Tilt	0.670	0.150	0.330	0.050
	Right Cheek	1.030	0.070	0.120	0.000
	Right Tilt	0.930	0.050	0.150	0.000
Body 10mm	Front	0.730	0.260	0.160	0.000
	Rear	1.170	0.240	0.290	0.000
	Left	0.570	0.000	0.020	0.000
	Right	0.560	0.310	0.120	0.000
	Bottom	0.180	0.000	0.020	0.000
	Top	0.710	0.090	0.120	0.000
Body 15mm	Front	0.850	0.180	0.140	0.000
	Rear	1.190	0.160	0.300	0.000

Test Position \ SAR 10g(W/kg)		simultaneous transmission			MAX. SAR 1g
		1+2	1+3	1+3+4	
Head	Left Cheek	0.980	1.010	1.060	1.060
	Left Tilt	0.820	1.000	1.050	1.050
	Right Cheek	1.100	1.150	1.150	1.150
	Right Tilt	0.980	1.080	1.080	1.080
Body 10mm	Front	0.990	0.890	0.890	0.990
	Rear	1.410	1.460	1.460	1.460
	Left	0.570	0.590	0.590	0.590
	Right	0.870	0.680	0.680	0.870
	Bottom	0.180	0.200	0.200	0.200
	Top	0.800	0.830	0.830	0.830
Body 15mm	Front	1.030	0.990	0.990	1.030
	Rear	1.350	1.490	1.490	1.490

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 $(SAR1 + SAR2)^{1.5}/R_i$, 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 R_i is the separation distance in mm between the peak SAR locations for the antenna pair.

Position	Band	Main antenna	ENDC-LTEB2 ANT4	WiFi5G+BT	Sum	Distance (mm)	Ratio	Limit
Rear 15mm	ENDC-N66 ANT0	0.67	0.75	0.30	1.72	153	0.015	0.04
Position	Band	Main antenna	ENDC-LTEB2 ANT4	WiFi2.4G	Sum	Distance (mm)	Ratio	Limit
Rear 15mm	ENDC-N66 ANT0	0.67	0.75	0.16	1.58	153	0.013	0.04

Position	Band	Main antenna	ENDC-LTEB30 ANT4	WiFi5G+BT	Sum	Distance (mm)	Ratio	Limit
Rear 15mm	ENDC-N66 ANT0	0.67	0.73	0.30	1.70	157	0.014	0.04
Position	Band	Main antenna	ENDC-LTEB30 ANT4	WiFi2.4G	Sum	Distance (mm)	Ratio	Limit
Rear 15mm	ENDC-N66 ANT0	0.67	0.73	0.16	1.56	157	0.012	0.04

Position	Band	Main antenna	ENDC-LTEB2 ANT0	WiFi5G+BT	Sum	Distance (mm)	Ratio	Limit
Rear 15mm	ENDC-N77 ANT3	0.75	0.70	0.30	1.75	145	0.016	0.04
Position	Band	Main antenna	ENDC-LTEB2 ANT0	WiFi2.4G	Sum	Distance (mm)	Ratio	Limit
Rear 15mm	ENDC-N77 ANT3	0.75	0.70	0.16	1.61	145	0.014	0.04

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.

14 Measurement Uncertainty

14.1 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	RF ambient 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	

14.2 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	$\sqrt{3}$	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	RF ambient 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	4.0	R	$\sqrt{3}$	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	$\sqrt{3}$	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		$u'_c = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$						10.7	10.6	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						21.4	21.1	

14.3 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	RF ambient 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	

14.4 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	RF ambient 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	

15 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 18, 2024	One year
02	Power sensor	NRP50S	101488	May 30, 2025	One year
03	Power sensor	NRP50S	101489	May 30, 2025	One year
04	Signal Generator	E4438C	MY49071430	December 19 2024	One Year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	CMW500	172116	April 2, 2025	One year
07	E-field Probe	EX3DV4	7892	October 15,2024	One year
08	DAE	DAE4	1525	September 13,2024	One year
09	Dipole Validation Kit	D750V3	1017	July 9,2024	One year
10	Dipole Validation Kit	D835V2	4d069	July 9,2024	One year
11	Dipole Validation Kit	D1750V2	1003	July 11,2024	One year
12	Dipole Validation Kit	D1900V2	5d101	July 8,2024	One year
13	Dipole Validation Kit	D2300V2	1018	July 10,2024	One year
14	Dipole Validation Kit	D2450V2	853	July 10,2024	One year
15	Dipole Validation Kit	D2600V2	1012	July 10,2024	One year
16	Dipole Validation Kit	D3500V2	1016	June 13,2024	One year
17	Dipole Validation Kit	D3900V2	1024	June 14,2024	One year
18	Dipole Validation Kit	D5GHzV2	1262	January 17,2025	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