SAR TEST REPORT

No. I23Z70158-SEM01

For

SAMSUNG Electronics Co., Ltd.

Multi-band GSM/WCDMA/LTE/5GNR Tablet with Bluetooth, WLAN

Model Name: SM-X216B

with

Hardware Version: REV1.0

Software Version: X216B.001

FCC ID: ZCASMX216B

Issued Date: 2023-9-8

Note:

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

Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

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

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REPORT HISTORY

Report Number	Revision	Issue Date	Description
I23Z70158-SEM01	Rev.0	2023-8-31	Initial creation of test report
I23Z70158-SEM01	Rev.1	2023-9-8	Update the information on section 1 Update the information on section 2 Update the information on section 4

TABLE OF CONTENT

1 Test Laboratory

1.1. Introduction & Accreditation

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

1.2. Testing Location

Location 1: CTTL(huayuan North Road)

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

1.3. Testing Environment

Normal Temperature: 15-35℃

Extreme Temperature: -10/+55℃

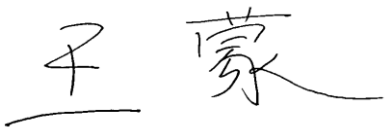
Relative Humidity: 20-75%

1.4. Project data

Testing Start Date: 2023-7-15

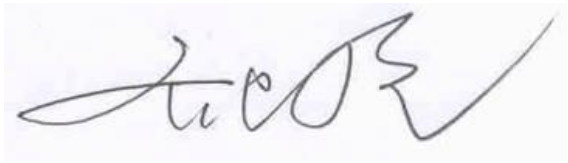
Testing End Date: 2023-8-28

1.5. Signature



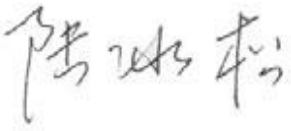
Wang Meng

(Prepared this test report)



Qi Dianyuan

(Reviewed this test report)



Lu Bingsong

Deputy Director of the laboratory

(Approved this test report)

2 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for SAMSUNG Electronics Co., Ltd. Multi-band GSM/WCDMA/LTE/5GNR Tablet with Bluetooth, WLAN SM-X216B are as follows:

Table 2.1: Highest Reported SAR (1g)

Mode		Antenna	Body SAR 1g (W/kg)	Equipment Class
GSM	GSM 850	**0**	**0.52**	PCT
	GSM 1900	**0**	**1.00**	
WCDMA	WCDMA 1900	**0**	**0.93**	
	WCDMA 1700	**0**	**0.86**	
	WCDMA 850	**0**	**0.70**	
LTE	LTE Band 2	**0**	**0.67**	
	LTE Band 4	**0**	**0.82**	
	LTE Band 4	**4**	**0.72**	
	LTE Band 7	**1**	**0.68**	
	LTE Band 7	**4**	**0.60**	
	LTE Band 12/17	**0**	**0.87**	
	LTE Band 13	**0**	**0.95**	
	LTE Band 26/5	**0**	**0.77**	
	LTE Band 38	**1**	**0.52**	
	LTE Band 38	**4**	**0.52**	
	LTE Band 41	**1**	**0.32**	
	LTE Band 41	**4**	**0.44**	
	LTE Band 66	**0**	**0.88**	
	LTE Band 66	**4**	**0.47**	
NR	N5	**0**	**0.69**	
	N7	**1**	**0.70**	
	N7	**4**	**0.57**	
	N38	**4**	**0.94**	
	N41	**4**	**0.94**	
	N66	**0**	**0.99**	
	N66	**4**	**0.62**	
	N77-L	**5**	**0.60**	
	N77-H	**5**	**0.75**	
	N78-L	**5**	**0.59**	
	N78-H	**5**	**0.71**	
WLAN 2.4 GHz		**6**	**0.62**	DTS
WLAN 5 GHz		**6**	**0.58**	NII
BT		**6**	**0.29**	DSS

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 0mm/5mm/10mm/17mm/19mm/20mm/22mm 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**:**
Body: 1.00 W/kg(1g)
Remark：
This device supports both LTE B5/B17 and LTE B26/B12.Since the supported frequency span for LTE B5/B17 falls completely within the supports frequency span for LTE B26/B12, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE B26/B12.

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

	Position	Main antenna	WiFi	BT	Sum
Highest SAR value for Body	Rear 20mm	1.117 7A_n77A(ANT1+5)	0.477 (WIFI 5G)	0.004	1.598

According to the above tables, the highest sum of reported SAR values is **1.598 W/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. So the simultaneous transmission SAR with volume scans is not required.

3 Client Information

3.1 Applicant Information

Company Name:	SAMSUNG Electronics Co., Ltd.
Address/Post:	19 Chapin Rd.,Building D Pine Brook, NJ 07058
Contact Person:	Jenni Chun
Contact Email:	j1.chun@samsung.com
Telephone:	+1-201-937-4203

3.2 Manufacturer Information

Company Name:	SAMSUNG Electronics Co., Ltd.
Address/Post:	Samsung R5, Maetan dong 129, Samsung ro Youngtong gu, Suwon city 443 742, Korea
Contact Person:	조성훈 (Sunghoon Cho)
Contact Email:	ggobi.cho@samsung.com
Telephone:	+82 - 10 - 2722 - 4159
Fax	/

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

4.1 About EUT

Description:	Multi-band GSM/WCDMA/LTE/5GNR Tablet with Bluetooth, WLAN	
Model name:	SM-X216B	
Operating mode(s):	GSM850/900/1800/1900, WCDMA850/900/1700/1900/2100 LTE Band1/2/3/4/5/7/8/12/13/17/20/26/28/38/40/41/66, 5G NR n1/n3/n5/n7/n20/n28/n38/n40/n41/n66/n77/n78 BT, Wi-Fi(2.4G&5G)	
Tested Tx Frequency:	824 – 849 MHz (GSM 850)	
	1850 – 1910 MHz (GSM 1900)	
	824–849 MHz (WCDMA 850 Band V)	
	1710 – 1755 MHz (WCDMA 1700 Band IV)	
	1850–1910 MHz (WCDMA1900 Band II)	
	1850 – 1910 MHz(LTE Band 2)	
	1710 – 1755 MHz (LTE Band 4)	
	2500 – 2570 MHz(LTE Band 7)	
	699 – 716 MHz (LTE Band 12)	
	777 –787 MHz (LTE Band 13)	
	814 – 849 MHz (LTE Band 26)	
	2570 – 2620 MHz (LTE Band 38)	
	2496 – 2690 MHz (LTE Band 41)	
	1710 – 1780 MHz (LTE Band 66)	
	2412 – 2462 MHz (Wi-Fi 2.4G)	
	5180 – 5240 MHz	(Wi-Fi 5G)
	5260 – 5320 MHz	
	5500 – 5720 MHz	
	5745 – 5825 MHz	
	2400 – 2483.5 MHz (Bluetooth)	
	824 – 849 MHz(n5)	
	2500 – 2570 MHz (n7)	
	2570 – 2620 MHz (n38)	
	2496 – 2690 MHz (n41)	
	1710– 1780 MHz (n66)	
	3450 – 3550 MHz (n77L)	
	3700 – 3980 MHz (n77H)	
	3450 – 3550 MHz (n78L)	
	3700 – 3800 MHz (n78H)	
GPRS/EGPRS Multislot Class:	12	
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/SN	HW Version	SW Version
EUT1	I23Z70158_19a	REV1.0	X216B.001
EUT2	I23Z70158_20a	REV1.0	X216B.001
EUT3	I23Z70158_21a	REV1.0	X216B.001
EUT4	I23Z70158_13a	REV1.0	X216B.001
EUT5	I23Z70158_09a	REV1.0	X216B.001

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

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

4.3 Internal Identification of AE used during the test

AE ID*	Description	Model	SN	Manufacturer
AE1	Battery	WT-S-W11	/	SCUD (Fujian) Electronics Co., Ltd.

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

5 TEST METHODOLOGY

5.1 Applicable Limit Regulations

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

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

5.2 Applicable Measurement Standards

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

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

KDB616217 D04 SAR for laptop and tablets v01r02 SAR Evaluation Considerations for Laptop, Notebook, Notebook and Tablet Computers.

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

6 Specific Absorption Rate (SAR)

6.1 Introduction

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

6.2 SAR Definition

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

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

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

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

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

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

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

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

7 Tissue Simulating Liquids

7.1 Targets for tissue simulating liquid

Table 7.1: Targets for tissue simulating liquid

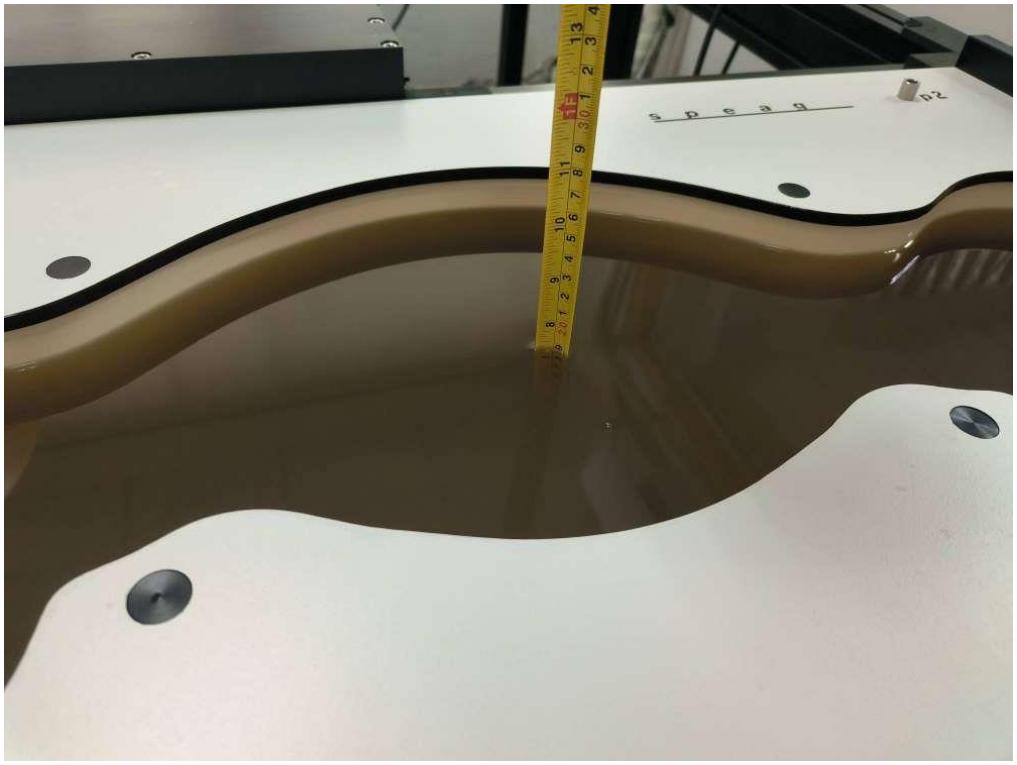
Frequency(MHz)	Liquid Type	Conductivity(σ)	± 5% Range	Permittivity(ε)	± 5% Range
750	Head	0.89	0.85～0.93	41.94	39.8～44.0
835	Head	0.90	0.86～0.95	41.50	39.40～43.60
1800	Head	1.40	1.33～1.47	40.00	38.00～42.00
1900	Head	1.40	1.33～1.47	40.00	38.00～42.00
2300	Head	1.67	1.50～1.84	39.47	37.5～41.4
2450	Head	1.80	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
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 (%)
2023/7/17	Head	750 MHz	43.15	2.89	0.896	0.67
2023/7/13	Head	835 MHz	43.07	3.78	0.932	3.56
2023/8/2	Head	835 MHz	42.7	2.89	0.878	-2.44
2023/7/29	Head	1750 MHz	41.21	2.82	1.412	3.07
2023/8/14	Head	1750 MHz	40.36	0.70	1.398	2.04
2023/8/4	Head	1900 MHz	40.93	2.33	1.453	3.79
2023/8/7	Head	2450 MHz	40.43	3.14	1.865	3.61
2023/7/26	Head	2600 MHz	40.6	4.08	2.028	3.47
2023/8/28	Head	3500 MHz	39.28	3.56	2.804	-3.64
2023/8/28	Head	3700 MHz	38.94	3.29	2.983	-4.39
2023/8/28	Head	3900 MHz	38.62	3.07	3.168	-4.58
2023/8/28	Head	4200 MHz	38.15	2.75	3.466	-4.52
2023/8/26	Head	5250 MHz	35.07	-2.39	4.561	-3.16
2023/8/26	Head	5600 MHz	34.39	-3.21	4.931	-2.74
2023/8/26	Head	5750 MHz	34.18	-3.34	5.099	-2.32

Note: The liquid temperature is 22.0°C

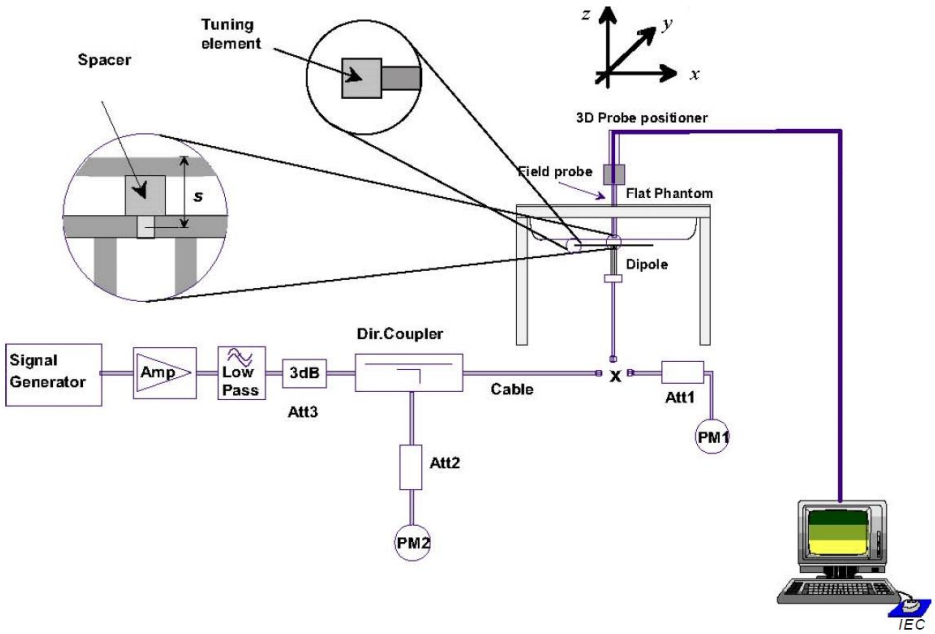


Picture 7-1 Liquid depth in the Flat Phantom

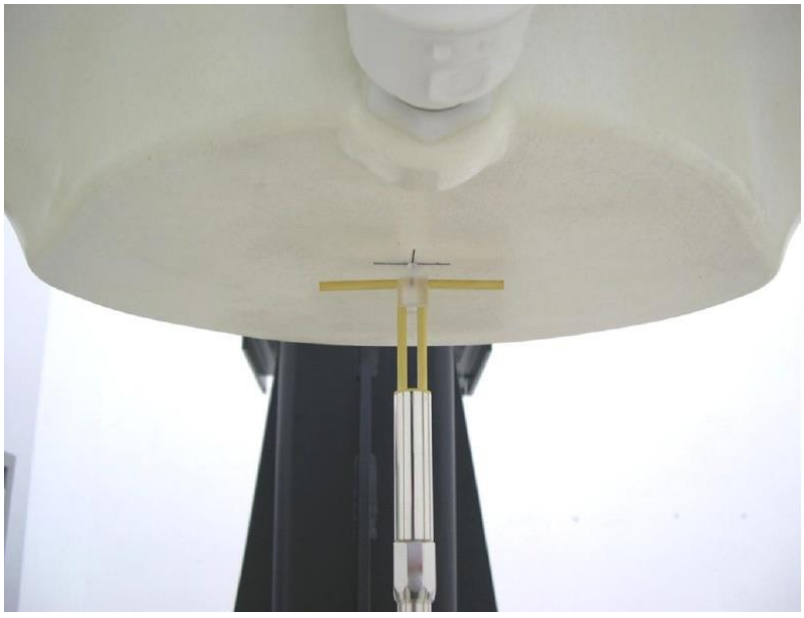
8 System verification

8.1 System Setup

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



Picture 8.1 System Setup for System Evaluation



Picture 8.2 Photo of Dipole Setup

8.2 System Verification

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

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

Table 8.1: System Verification of Head

Measurement Date (yyyy-mm-dd)	Frequency	Target value (W/kg)		Measured value(W/kg)		Deviation	
		10 g Average	1 g Average	10 g Average	1 g Average	10 g Average	1 g Average
2023/7/17	750 MHz	5.54	8.48	5.64	8.44	1.81%	-0.47%
2023/7/13	835 MHz	6.32	9.55	6.64	9.84	5.06%	3.04%
2023/8/2	835 MHz	6.32	9.55	6.36	9.72	0.63%	1.78%
2023/7/29	1750 MHz	18.9	35.8	19.7	37.0	4.13%	3.35%
2023/8/14	1750 MHz	18.9	35.8	19.6	36.3	3.92%	1.45%
2023/8/4	1900 MHz	21.0	40.4	20.3	39.3	-3.24%	-2.67%
2023/8/7	2450 MHz	24.5	52.4	24.8	53.2	1.39%	1.53%
2023/7/26	2600 MHz	25.2	55.8	24.6	54.4	-2.22%	-2.51%
2023/8/28	3500 MHz	25.2	66.90	24.8	65.3	-1.59%	-2.39%
2023/8/28	3700 MHz	24.7	67.80	25.3	66.8	2.43%	-1.47%
2023/8/28	3900 MHz	24.2	69.9	24.2	67.0	0.00%	-4.15%
2023/8/28	4200 MHz	22.6	66.8	21.8	65.2	-3.54%	-2.40%
2023/8/26	5250 MHz	22.8	79.6	23.6	80.2	3.51%	0.75%
2023/8/26	5600 MHz	23.8	83.6	24.2	83.0	1.68%	-0.72%
2023/8/26	5750 MHz	22.7	80.5	23.1	80.0	1.76%	-0.62%

9 Measurement Procedures

9.1 Tests to be performed

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

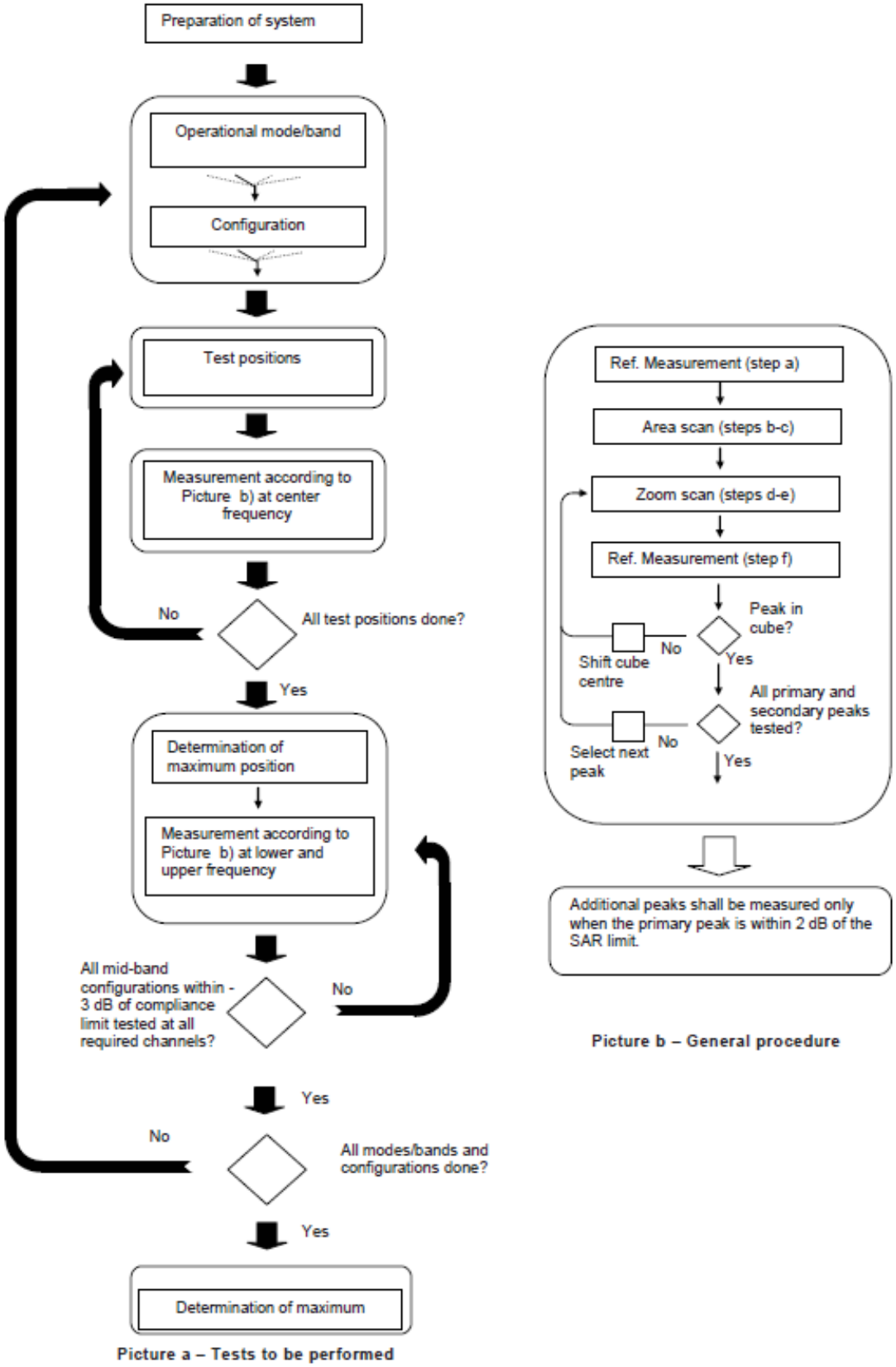
Step 1: The tests described in 9.2 shall be performed at the channel that is closest to the centre of the transmit frequency band (f_c) for:

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

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

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

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



Picture 9.1Block diagram of the tests to be performed

9.2 General Measurement Procedure

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements and fully documented in SAR reports to qualify for TCB approval. Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEC/IEEE 62209-1528. The results should be documented as part of the system validation records and may be requested to support test results when all the measurement parameters in the following table are not satisfied.

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

9.3 WCDMA Measurement Procedures for SAR

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

For Release 5 HSDPA Data Devices:

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

For Release 6 HSPA Data Devices

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

Rel.8 DC-HSDPA (Cat 24)

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

9.4 SAR Measurement for LTE

SAR tests for LTE are performed with a base station simulator, Rohde & Rchwarz CMW500. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. All powers were measured with the CMW 500.
It is performed for conducted power and SAR based on the KDB941225 D05.
SAR is evaluated separately according to the following procedures for the different test positions in each exposure condition – head, body, body-worn accessories and other use conditions. The procedures in the following subsections are applied separately to test each LTE frequency band.

1) QPSK with 1 RB allocation
   Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.
2) QPSK with 50% RB allocation
   The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.
3) QPSK with 100% RB allocation
   For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

TDD test:

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

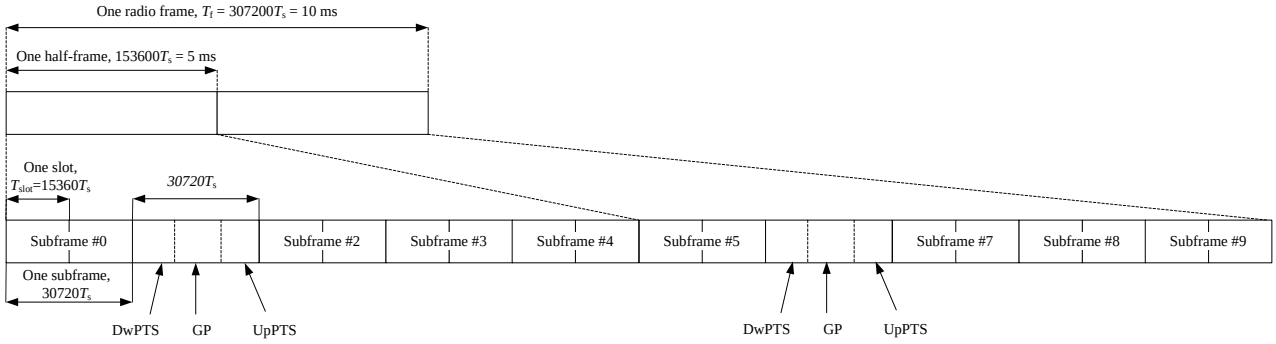


Figure 9.2: Frame structure type 2 (for 5 ms switch-point periodicity)

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

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

Table 9.2: Uplink-downlink configurations

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

Duty factor is calculated by:

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

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

= 0.633

9.5 Bluetooth & Wi-Fi Measurement Procedures for SAR

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

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

9.6 Power Drift

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

10 Area Scan Based 1-g SAR

10.1 Requirement of KDB

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

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

10.2 Fast SAR Algorithms

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

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

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

Both algorithms are implemented in DASY software.

11 Conducted Output Power

Table 11.1: Summary of Receiver detection mechanism-Main antenna

Antenna	Sensor Off	Sensor On	Sensor On ENDC
Main Antenna	Power Level A1	Power Level B1	Power Level C1

11.1 GSM Measurement result

GSM850_ Power Level A1

GSM 850 GPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	32.38	32.52	32.33	33.50	-9.03	23.35	23.49	23.30
2 Txslots	29.85	29.80	29.78	31.50	-6.02	23.83	23.78	23.76
3Txslots	28.31	28.26	28.03	28.50	-4.26	24.05	24.00	23.77
4 Txslots	26.70	26.87	26.72	27.50	-3.01	23.69	23.86	23.71
GSM 850 EGPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	32.09	32.41	32.25	33.50	-9.03	23.06	23.38	23.22
2 Txslots	29.68	29.69	29.69	31.50	-6.02	23.66	23.67	23.67
3Txslots	28.17	28.18	28.05	28.50	-4.26	23.91	23.92	23.79
4 Txslots	26.56	26.79	26.83	27.50	-3.01	23.55	23.78	23.82
GSM 850 EGPRS (8PSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	26.53	26.48	26.54	27.50	-9.03	17.50	17.45	17.51
2 Txslots	26.48	26.43	26.32	26.50	-6.02	20.46	20.41	20.30
3Txslots	24.61	24.63	24.62	25.50	-4.26	20.35	20.37	20.36
4 Txslots	23.72	23.77	23.85	24.50	-3.01	20.71	20.76	20.84

GSM850_ Power Level B1

GSM 850 GPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	25.67	25.30	25.25	26.90	-9.03	16.64	16.27	16.22
2 Txslots	22.98	22.61	22.52	24.20	-6.02	16.96	16.59	16.50
3Txslots	21.09	20.51	20.46	22.00	-4.26	16.83	16.25	16.20
4 Txslots	19.85	19.31	19.20	20.90	-3.01	16.84	16.30	16.19
GSM 850 EGPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	25.26	25.07	25.08	26.90	-9.03	16.23	16.04	16.05
2 Txslots	22.87	22.41	22.36	24.20	-6.02	16.85	16.39	16.34
3Txslots	20.81	20.32	20.32	22.00	-4.26	16.55	16.06	16.06
4 Txslots	19.59	19.13	19.05	20.90	-3.01	16.58	16.12	16.04
GSM 850 EGPRS (8PSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	251	190	128			251	190	128
1 Txslot	25.44	24.78	24.89	26.50	-9.03	16.41	15.75	15.86
2 Txslots	22.63	22.12	22.15	24.00	-6.02	16.61	16.10	16.13
3Txslots	20.52	19.89	19.79	21.50	-4.26	16.26	15.63	15.53
4 Txslots	19.44	18.62	18.80	20.50	-3.01	16.43	15.61	15.79

GSM1900_ Power Level A1

GSM 1900 GPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	29.43	29.33	29.41	31.00	-9.03	20.40	20.30	20.38
2 Txslots	27.00	26.98	26.99	28.50	-6.02	20.98	20.96	20.97
3Txslots	25.05	25.08	25.04	27.00	-4.26	20.79	20.82	20.78
4 Txslots	23.89	23.27	23.80	24.50	-3.01	20.88	20.26	20.79
GSM 1900 EGPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	29.35	29.31	29.39	31.00	-9.03	20.32	20.28	20.36
2 Txslots	26.93	26.95	26.99	28.50	-6.02	20.91	20.93	20.97
3Txslots	25.08	25.07	25.03	27.00	-4.26	20.82	20.81	20.77
4 Txslots	23.83	23.23	23.80	24.50	-3.01	20.82	20.22	20.79
GSM 1900 EGPRS (8PSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	25.48	25.33	25.31	26.50	-9.03	16.45	16.30	16.28
2 Txslots	25.39	25.66	25.23	25.50	-6.02	19.37	19.64	19.21
3Txslots	23.69	23.75	23.75	24.50	-4.26	19.43	19.49	19.49
4 Txslots	22.62	22.36	22.29	23.50	-3.01	19.61	19.35	19.28

GSM1900_ Power Level B1

GSM 1900 GPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	21.01	21.05	20.94	22.80	-9.03	11.98	12.02	11.91
2 Txslots	18.69	18.76	18.65	20.40	-6.02	12.67	12.74	12.63
3Txslots	15.83	15.91	14.83	16.70	-4.26	11.57	11.65	10.57
4 Txslots	14.29	14.18	13.31	15.20	-3.01	11.28	11.17	10.30
GSM 1900 EGPRS (GMSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	20.93	21.02	20.94	22.80	-9.03	11.90	11.99	11.91
2 Txslots	18.62	18.73	18.65	20.40	-6.02	12.60	12.71	12.63
3Txslots	15.78	15.90	14.82	16.70	-4.26	11.52	11.64	10.56
4 Txslots	14.25	14.16	13.31	15.20	-3.01	11.24	11.15	10.30
GSM 1900 EGPRS (8PSK)	Measured timeslot-averaged output power (dBm)			Tune up	calculation	Source-based time-averaged output power (dBm)		
	810	661	512			810	661	512
1 Txslot	20.96	21.04	19.94	21.80	-9.03	11.93	12.01	10.91
2 Txslots	18.65	18.74	17.65	19.50	-6.02	12.63	12.72	11.63
3Txslots	15.80	15.91	14.83	16.70	-4.26	11.54	11.65	10.57
4 Txslots	14.27	14.16	13.32	15.20	-3.01	11.26	11.15	10.31

11.2 WCDMA Measurement result

WCDMA1900_ Power Level A1

Item	band	FDDII result			
	ARFCN	9538 (1907.6MHz)	9400 (1880MHz)	9262 (1852.4MHz)	Tune up
WCDMA	\	23.69	23.90	23.93	25.50
HSUPA	1	21.55	21.61	21.56	23.00
	2	19.47	19.58	19.53	21.50
	3	20.56	20.49	20.55	22.00
	4	19.53	19.50	19.51	21.50
	5	21.44	21.39	21.48	23.00
HSPA+	\	21.03	21.06	21.06	22.50
DC-HSDPA	1	21.55	21.47	21.54	23.00
	2	21.44	21.49	21.49	23.00
	3	20.98	21.06	21.00	22.50
	4	20.99	21.01	20.98	22.50

WCDMA1900_ Power Level B1

Item	band	FDDII result			
	ARFCN	9538 (1907.6MHz)	9400 (1880MHz)	9262 (1852.4MHz)	Tune up
WCDMA	\	11.89	11.91	12.01	13.00
HSUPA	1	9.44	9.50	9.45	11.20
	2	7.56	7.55	7.48	9.20
	3	8.5	8.45	8.41	10.20
	4	7.56	7.66	7.47	9.20
	5	9.41	9.46	9.43	11.20
HSPA+	\	9.05	9.06	9.17	10.70
DC-HSDPA	1	9.61	9.56	9.50	11.30
	2	9.66	9.55	9.55	11.30
	3	9.05	9.16	9.12	10.80
	4	9.06	9.05	9.11	10.80

WCDMA1700_ Power Level A1

Item	band	FDDIV result			
	ARFCN	1513 (1752.6MHz)	1412 (1732.4MHz)	1312 (1712.4MHz)	Tune up
WCDMA	\	23.21	23.08	23.10	24.00
HSUPA	1	21.02	21.01	21.05	23.00
	2	19.05	19.20	19.00	21.00
	3	20.01	20.12	20.06	22.00
	4	19.18	19.06	19.12	21.00
	5	21.03	21.05	21.06	23.00
HSPA+	\	20.57	20.59	20.66	22.50
DC-HSDPA	1	21.12	21.01	21.05	23.00
	2	21.11	21.06	21.02	23.00
	3	20.6	20.55	20.50	22.00
	4	20.41	20.48	20.51	22.00

WCDMA1700_ Power Level B1

Item	band	FDDIV result			
	ARFCN	1513 (1752.6MHz)	1412 (1732.4MHz)	1312 (1712.4MHz)	Tune up
WCDMA	\	11.63	11.65	11.58	13.00
HSUPA	1	9.4	9.41	9.35	11.20
	2	7.32	7.26	7.31	9.20
	3	8.44	8.41	8.34	10.20
	4	7.33	7.26	7.30	9.20
	5	9.46	9.41	9.36	11.20
HSPA+	\	8.99	9.91	8.95	10.70
DC-HSDPA	1	9.36	9.41	9.39	11.30
	2	9.43	9.43	9.37	11.30
	3	8.92	8.91	8.90	10.80
	4	8.96	8.94	8.89	10.80

WCDMA850_ Power Level A1

Item	band	FDDV result			
	ARFCN	4233 (846.6MHz)	4183 (836.6MHz)	4132 (826.4MHz)	Tune up
WCDMA	\	22.36	22.47	22.41	24.00
HSUPA	1	21.36	21.40	21.41	22.50
	2	19.54	19.56	19.51	21.50
	3	20.56	20.57	20.59	22.50
	4	19.36	19.41	19.35	21.00
	5	21.39	21.35	21.36	22.50
HSPA+	\	20.86	20.88	20.90	22.50
DC-HSDPA	1	21.41	21.32	21.33	23.00
	2	21.19	21.18	21.28	23.00
	3	20.98	20.79	20.80	22.50
	4	20.96	20.88	20.90	22.50

WCDMA850_ Power Level B1

Item	band	FDDV result			
	ARFCN	4233 (846.6MHz)	4183 (836.6MHz)	4132 (826.4MHz)	Tune up
WCDMA	\	18.34	18.38	18.41	19.50
HSUPA	1	16.21	16.29	16.24	18.00
	2	14.36	14.33	14.36	16.00
	3	15.31	15.34	15.31	17.00
	4	14.3	14.29	14.32	16.00
	5	16.35	16.25	16.34	18.00
HSPA+	\	15.9	16.01	15.91	17.70
DC-HSDPA	1	16.36	16.42	16.32	18.00
	2	16.24	16.25	16.30	18.00
	3	15.78	15.79	15.85	17.50
	4	15.81	15.85	15.86	17.50

11.3 LTE Measurement result

Maximum Target Power for Production Unit

Band	ANT	Tune up (dBm)		
		Power Level A1	Power Level B1	Power Level C1
Band 2	0	24.5	13	9
Band 4	0	24.5	14.5	10
Band 4	4	24.5	/	9
Band 7	1	25	10.5	7
Band 7	4	25	/	9
Band 12	0	25	19.5	/
Band 13	0	25	20	/
Band 26	0	25	19	14.8
Band 38	1	25.5	11.5	8.5
Band 38	4	25.5	/	9.5
Band 41	1	25	11.5	8.5
Band 41	4	25	/	9.5
Band 66	0	24.5	14.5	10
Band 66	4	24.5	/	9

Maximum Power Reduction (MPR) for LTE

Modulation	1.4 MHz	MPR	3 MHz	MPR	5 MHz	MPR	10 MHz	MPR	15 MHz	MPR	20 MHz	MPR (dB)
QPSK	≤ 5	**0**	≤ 4	**0**	≤ 8	**0**	≤ 12	**0**	≤ 16	**0**	≤ 18	**0**
QPSK	> 5	1	> 4	1	> 8	1	> 12	1	> 16	1	> 18	1
16 QAM	≤ 5	1	≤ 4	1	≤ 8	1	≤ 12	1	≤ 16	1	≤ 18	1
16 QAM	> 5	2	> 4	2	> 8	2	> 12	2	> 16	2	> 18	2
64 QAM	≤ 5	2	≤ 4	2	≤ 8	2	≤ 12	2	≤ 16	2	≤ 18	2
64 QAM	> 5	3	> 4	3	> 8	3	> 12	3	> 16	3	> 18	3
256 QAM	≤ 5	5	≤ 4	5	≤ 8	5	≤ 12	5	≤ 16	5	≤ 18	5
256 QAM	> 5	5	> 4	5	> 8	5	> 12	5	> 16	5	> 18	5

LTE B2-ANT0 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	22.82	22.06	21.00	18.11
		1880 (18900)	22.91	22.25	21.00	18.05
		1850.7 (18607)	23.07	22.31	21.11	18.20
	1RB-Middle (3)	1909.3 (19193)	23.04	22.18	21.15	18.10
		1880 (18900)	22.81	22.19	21.09	17.96
		1850.7 (18607)	23.12	22.30	21.05	18.42
	1RB-Low (0)	1909.3 (19193)	22.98	22.29	21.04	18.10
		1880 (18900)	22.96	22.21	21.02	18.14
		1850.7 (18607)	23.14	22.48	21.41	18.18
	3RB-High (3)	1909.3 (19193)	22.81	21.96	20.84	18.10
		1880 (18900)	22.95	22.01	20.98	18.10
		1850.7 (18607)	23.09	22.19	21.11	18.10
	3RB-Middle (1)	1909.3 (19193)	22.90	22.03	20.94	18.12
		1880 (18900)	23.01	22.06	20.71	18.06
		1850.7 (18607)	23.18	22.30	21.02	18.18
	3RB-Low (0)	1909.3 (19193)	22.96	21.95	21.00	18.10
		1880 (18900)	23.01	22.08	20.98	18.07
		1850.7 (18607)	23.14	22.22	21.20	18.23
	6RB (0)	1909.3 (19193)	22.03	21.12	19.81	18.06
		1880 (18900)	22.06	21.04	19.87	18.09
		1850.7 (18607)	22.18	21.24	20.04	18.23
3MHz	1RB-High (14)	1908.5 (19185)	22.97	22.33	21.01	18.13
		1880 (18900)	22.92	22.30	20.94	18.07
		1851.5 (18615)	23.07	22.60	21.22	18.22
	1RB-Middle (7)	1908.5 (19185)	22.91	22.69	21.05	18.12
		1880 (18900)	22.92	22.42	20.96	17.98
		1851.5 (18615)	23.16	22.86	21.15	18.44
	1RB-Low (0)	1908.5 (19185)	23.14	22.30	21.01	18.12
		1880 (18900)	23.12	22.39	21.13	18.16
		1851.5 (18615)	23.21	22.52	21.27	18.20
	8RB-High (7)	1908.5 (19185)	22.11	20.99	19.91	18.12
		1880 (18900)	22.00	21.17	20.02	18.12
		1851.5 (18615)	22.27	21.34	20.15	18.12
	8RB-Middle (4)	1908.5 (19185)	22.08	21.21	20.02	18.14
		1880 (18900)	22.18	21.15	20.07	18.08
		1851.5 (18615)	22.35	21.38	20.17	18.20
	8RB-Low (0)	1908.5 (19185)	22.14	21.23	20.02	18.12
		1880 (18900)	22.17	21.13	20.03	18.09
		1851.5 (18615)	22.35	21.38	20.29	18.25
	15RB (0)	1908.5 (19185)	22.06	21.10	19.92	18.08
		1880 (18900)	22.10	21.12	19.94	18.11
		1851.5 (18615)	22.34	21.32	20.07	18.25

5MHz	1RB-High (24)	1907.5 (19175)	22.93	22.32	21.05	17.95
		1880 (18900)	22.96	22.36	21.07	17.89
		1852.5 (18625)	23.10	22.43	21.27	18.04
	1RB-Middle (12)	1907.5 (19175)	22.96	22.39	20.85	17.94
		1880 (18900)	22.97	22.13	21.02	17.80
		1852.5 (18625)	23.14	23.00	21.09	18.26
	1RB-Low (0)	1907.5 (19175)	22.99	22.37	21.04	17.94
		1880 (18900)	23.07	22.36	21.13	17.98
		1852.5 (18625)	23.18	22.56	21.27	18.02
	12RB-High (13)	1907.5 (19175)	22.03	21.05	19.98	17.94
		1880 (18900)	22.04	21.15	19.88	17.94
		1852.5 (18625)	22.18	21.24	19.87	17.94
	12RB-Middle (6)	1907.5 (19175)	22.09	21.23	19.98	17.96
		1880 (18900)	22.22	21.14	20.06	17.90
		1852.5 (18625)	22.28	21.37	20.20	18.02
	12RB-Low (0)	1907.5 (19175)	22.16	21.24	19.93	17.94
		1880 (18900)	22.18	21.22	20.04	17.91
		1852.5 (18625)	22.27	21.36	20.18	18.07
	25RB (0)	1907.5 (19175)	22.08	21.14	19.91	17.90
		1880 (18900)	22.15	21.08	20.02	17.93
		1852.5 (18625)	22.21	21.18	20.15	18.07
10MHz	1RB-High (49)	1905 (19150)	22.98	22.46	21.09	17.93
		1880 (18900)	22.98	22.38	20.98	17.87
		1855 (18650)	23.08	22.56	21.04	18.02
	1RB-Middle (24)	1905 (19150)	22.99	22.20	21.04	17.92
		1880 (18900)	23.03	22.20	20.92	17.78
		1855 (18650)	23.19	22.33	21.27	18.24
	1RB-Low (0)	1905 (19150)	23.06	22.53	21.14	17.92
		1880 (18900)	23.09	22.58	21.24	17.96
		1855 (18650)	23.18	22.67	21.28	18.00
	25RB-High (25)	1905 (19150)	22.11	21.01	19.96	17.92
		1880 (18900)	22.08	21.21	19.98	17.92
		1855 (18650)	22.21	21.16	20.01	17.92
	25RB-Middle (12)	1905 (19150)	22.18	21.13	19.97	17.94
		1880 (18900)	22.19	21.17	20.04	17.88
		1855 (18650)	22.36	21.35	20.10	18.00
	25RB-Low (0)	1905 (19150)	22.12	21.10	19.91	17.92
		1880 (18900)	22.15	21.18	20.12	17.89
		1855 (18650)	22.26	21.25	20.26	18.05
	50RB (0)	1905 (19150)	22.18	21.17	19.92	17.88
		1880 (18900)	22.16	21.19	19.93	17.91
		1855 (18650)	22.31	21.33	20.17	18.05

15MHz	1RB-High (74)	1902.5 (19125)	22.89	22.28	21.15	17.98
		1880 (18900)	22.83	22.16	20.90	17.92
		1857.5 (18675)	22.95	22.22	20.97	18.07
	1RB-Middle (37)	1902.5 (19125)	22.77	22.16	20.92	17.97
		1880 (18900)	22.93	22.28	20.96	17.83
		1857.5 (18675)	22.93	22.25	21.09	18.29
	1RB-Low (0)	1902.5 (19125)	22.90	22.20	20.90	17.97
		1880 (18900)	22.85	22.25	20.95	18.01
		1857.5 (18675)	23.04	22.44	21.21	18.05
	36RB-High (38)	1902.5 (19125)	22.03	20.97	19.90	17.97
		1880 (18900)	22.01	21.01	19.85	17.97
		1857.5 (18675)	22.12	21.12	19.91	17.97
	36RB-Middle (19)	1902.5 (19125)	22.05	21.01	19.82	17.99
		1880 (18900)	22.02	20.94	19.82	17.93
		1857.5 (18675)	22.19	21.12	20.01	18.05
	36RB-Low (0)	1902.5 (19125)	22.03	20.99	19.82	17.97
		1880 (18900)	22.03	20.96	19.81	17.94
		1857.5 (18675)	22.22	21.10	19.96	18.10
	75RB (0)	1902.5 (19125)	21.93	21.04	19.87	17.93
		1880 (18900)	21.96	20.99	19.87	17.96
		1857.5 (18675)	22.16	21.10	19.98	18.10
20MHz	1RB-High (99)	1900 (19100)	22.54	21.98	20.90	18.02
		1880 (18900)	22.57	22.00	20.83	17.96
		1860 (18700)	22.70	22.05	21.01	18.11
	1RB-Middle (50)	1900 (19100)	22.66	21.99	20.89	18.01
		1880 (18900)	22.64	21.95	20.73	17.87
		1860 (18700)	22.74	22.06	21.26	18.33
	1RB-Low (0)	1900 (19100)	22.65	22.02	20.89	18.01
		1880 (18900)	22.84	22.12	20.94	18.05
		1860 (18700)	22.82	22.12	20.99	18.09
	50RB-High (50)	1900 (19100)	21.81	20.82	19.80	18.01
		1880 (18900)	21.70	20.75	19.80	18.01
		1860 (18700)	21.78	20.77	19.80	18.01
	50RB-Middle (25)	1900 (19100)	21.83	20.86	19.82	18.03
		1880 (18900)	21.84	20.78	19.76	17.97
		1860 (18700)	21.98	20.96	19.89	18.09
	50RB-Low (0)	1900 (19100)	21.80	20.83	19.80	18.01
		1880 (18900)	21.86	20.86	19.77	17.98
		1860 (18700)	21.94	20.94	19.95	18.14
	100RB (0)	1900 (19100)	21.80	20.85	19.76	17.97
		1880 (18900)	21.71	20.77	19.79	18.00
		1860 (18700)	21.93	20.91	19.95	18.14

LTE B2-ANT0 (Power Level B1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	11.38	11.51	11.55	11.39
		1880 (18900)	11.25	11.69	11.51	11.63
		1850.7 (18607)	11.48	11.75	11.70	11.64
	1RB-Middle (3)	1909.3 (19193)	11.59	11.62	11.68	11.57
		1880 (18900)	11.33	11.90	11.51	11.69
		1850.7 (18607)	11.47	11.82	11.55	11.60
	1RB-Low (0)	1909.3 (19193)	11.43	11.57	11.50	11.36
		1880 (18900)	11.42	11.68	11.60	11.34
		1850.7 (18607)	11.49	11.91	11.71	11.69
	3RB-High (3)	1909.3 (19193)	11.44	11.25	11.39	11.70
		1880 (18900)	11.42	11.57	11.50	11.52
		1850.7 (18607)	11.54	11.62	11.67	11.64
	3RB-Middle (1)	1909.3 (19193)	11.47	11.22	11.37	11.60
		1880 (18900)	11.52	11.37	11.59	11.53
		1850.7 (18607)	11.57	11.68	11.74	11.44
	3RB-Low (0)	1909.3 (19193)	11.40	11.43	11.46	11.40
		1880 (18900)	11.48	11.55	11.56	11.34
		1850.7 (18607)	11.52	11.69	11.72	11.39
	6RB (0)	1909.3 (19193)	11.55	11.38	11.35	11.57
		1880 (18900)	11.45	11.55	11.52	11.49
		1850.7 (18607)	11.59	11.71	11.56	11.69
3MHz	1RB-High (14)	1908.5 (19185)	11.20	11.59	11.49	11.62
		1880 (18900)	11.40	11.56	11.61	11.52
		1851.5 (18615)	11.54	11.94	11.73	11.42
	1RB-Middle (7)	1908.5 (19185)	11.30	11.51	11.47	11.67
		1880 (18900)	11.38	12.03	11.44	11.67
		1851.5 (18615)	11.57	11.82	11.72	11.66
	1RB-Low (0)	1908.5 (19185)	11.41	11.68	11.54	11.56
		1880 (18900)	11.62	11.80	11.79	11.40
		1851.5 (18615)	11.72	11.95	11.79	11.37
	8RB-High (7)	1908.5 (19185)	11.36	11.39	11.48	11.44
		1880 (18900)	11.44	11.49	11.46	11.30
		1851.5 (18615)	11.65	11.67	11.73	11.60
	8RB-Middle (4)	1908.5 (19185)	11.42	11.34	11.44	11.56
		1880 (18900)	11.56	11.67	11.73	11.68
		1851.5 (18615)	11.78	11.79	11.67	11.32
	8RB-Low (0)	1908.5 (19185)	11.48	11.51	11.51	11.61
		1880 (18900)	11.62	11.55	11.59	11.68
		1851.5 (18615)	11.64	11.67	11.78	11.56
	15RB (0)	1908.5 (19185)	11.42	11.30	11.38	11.51
		1880 (18900)	11.43	11.62	11.50	11.54
		1851.5 (18615)	11.75	11.72	11.71	11.62

5MHz	1RB-High (24)	1907.5 (19175)	11.36	11.65	11.45	11.46
		1880 (18900)	11.35	11.72	11.59	11.57
		1852.5 (18625)	11.59	11.75	11.70	11.59
	1RB-Middle (12)	1907.5 (19175)	11.29	11.83	11.45	11.62
		1880 (18900)	11.52	11.76	11.62	11.33
		1852.5 (18625)	11.62	11.98	11.40	11.34
	1RB-Low (0)	1907.5 (19175)	11.34	11.69	11.57	11.64
		1880 (18900)	11.49	11.91	11.52	11.57
		1852.5 (18625)	11.61	11.99	11.84	11.31
	12RB-High (13)	1907.5 (19175)	11.34	11.20	11.29	11.45
		1880 (18900)	11.44	11.38	11.33	11.31
		1852.5 (18625)	11.51	11.57	11.59	11.31
	12RB-Middle (6)	1907.5 (19175)	11.52	11.50	11.42	11.49
		1880 (18900)	11.48	11.56	11.52	11.66
		1852.5 (18625)	11.73	11.70	11.67	11.57
	12RB-Low (0)	1907.5 (19175)	11.54	11.29	11.46	11.58
		1880 (18900)	11.60	11.55	11.64	11.43
		1852.5 (18625)	11.74	11.78	11.72	11.53
	25RB (0)	1907.5 (19175)	11.43	11.40	11.39	11.47
		1880 (18900)	11.49	11.47	11.51	11.66
		1852.5 (18625)	11.59	11.56	11.64	11.56
10MHz	1RB-High (49)	1905 (19150)	11.35	11.60	11.44	11.62
		1880 (18900)	11.52	11.74	11.47	11.36
		1855 (18650)	11.38	11.92	11.50	11.64
	1RB-Middle (24)	1905 (19150)	11.25	11.69	11.52	11.57
		1880 (18900)	11.45	11.72	11.60	11.32
		1855 (18650)	11.64	11.87	11.82	11.46
	1RB-Low (0)	1905 (19150)	11.40	11.70	11.61	11.37
		1880 (18900)	11.38	11.82	11.69	11.40
		1855 (18650)	11.57	12.00	11.90	11.46
	25RB-High (25)	1905 (19150)	11.41	11.35	11.25	11.66
		1880 (18900)	11.45	11.44	11.45	11.31
		1855 (18650)	11.60	11.62	11.60	11.70
	25RB-Middle (12)	1905 (19150)	11.45	11.50	11.48	11.36
		1880 (18900)	11.45	11.52	11.59	11.35
		1855 (18650)	11.69	11.66	11.65	11.51
	25RB-Low (0)	1905 (19150)	11.49	11.47	11.50	11.67
		1880 (18900)	11.59	11.67	11.58	11.46
		1855 (18650)	11.69	11.62	11.66	11.47
	50RB (0)	1905 (19150)	11.41	11.47	11.44	11.39
		1880 (18900)	11.41	11.49	11.47	11.38
		1855 (18650)	11.73	11.72	11.61	11.33

15MHz	1RB-High (74)	1902.5 (19125)	11.05	11.52	11.18	11.53
		1880 (18900)	11.27	11.62	11.43	11.53
		1857.5 (18675)	11.30	11.66	11.49	11.40
	1RB-Middle (37)	1902.5 (19125)	11.27	11.55	11.31	11.54
		1880 (18900)	11.36	11.68	11.47	11.69
		1857.5 (18675)	11.43	11.92	11.63	11.43
	1RB-Low (0)	1902.5 (19125)	11.23	11.62	11.54	11.31
		1880 (18900)	11.38	11.71	11.51	11.36
		1857.5 (18675)	11.52	11.93	11.74	11.32
	36RB-High (38)	1902.5 (19125)	11.23	11.25	11.36	11.50
		1880 (18900)	11.31	11.37	11.49	11.54
		1857.5 (18675)	11.47	11.53	11.49	11.67
	36RB-Middle (19)	1902.5 (19125)	11.35	11.35	11.40	11.57
		1880 (18900)	11.35	11.35	11.42	11.66
		1857.5 (18675)	11.55	11.63	11.58	11.35
	36RB-Low (0)	1902.5 (19125)	11.34	11.34	11.42	11.70
		1880 (18900)	11.48	11.46	11.53	11.32
		1857.5 (18675)	11.63	11.62	11.60	11.56
	75RB (0)	1902.5 (19125)	11.30	11.37	11.40	11.47
		1880 (18900)	11.29	11.45	11.31	11.34
		1857.5 (18675)	11.59	11.57	11.59	11.53
20MHz	1RB-High (99)	1900 (19100)	11.28	11.45	11.48	11.34
		1880 (18900)	11.40	11.63	11.40	11.52
		1860 (18700)	11.39	11.87	11.56	11.76
	1RB-Middle (50)	1900 (19100)	11.30	11.46	11.47	11.35
		1880 (18900)	11.43	11.53	11.56	11.42
		1860 (18700)	11.54	11.76	11.65	11.65
	1RB-Low (0)	1900 (19100)	11.57	11.57	11.45	11.46
		1880 (18900)	11.48	11.69	11.61	11.58
		1860 (18700)	11.53	11.86	11.73	11.75
	50RB-High (50)	1900 (19100)	11.37	11.33	11.38	11.22
		1880 (18900)	11.53	11.50	11.47	11.39
		1860 (18700)	11.61	11.49	11.57	11.38
	50RB-Middle (25)	1900 (19100)	11.43	11.50	11.45	11.39
		1880 (18900)	11.51	11.49	11.50	11.38
		1860 (18700)	11.59	11.56	11.58	11.45
	50RB-Low (0)	1900 (19100)	11.51	11.49	11.52	11.38
		1880 (18900)	11.62	11.60	11.64	11.49
		1860 (18700)	11.68	11.75	11.69	11.64
	100RB (0)	1900 (19100)	11.53	11.50	11.46	11.39
		1880 (18900)	11.44	11.49	11.45	11.38
		1860 (18700)	11.60	11.58	11.62	11.47

LTE B2-ANT0 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1909.3 (19193)	8.07	8.11	8.00	8.32
		1880 (18900)	8.01	8.43	8.22	8.03
		1850.7 (18607)	8.20	8.52	8.44	8.08
	1RB-Middle (3)	1909.3 (19193)	8.28	8.26	8.21	8.19
		1880 (18900)	8.19	8.38	8.25	8.04
		1850.7 (18607)	8.28	8.46	8.51	8.01
	1RB-Low (0)	1909.3 (19193)	8.12	8.36	8.19	8.24
		1880 (18900)	8.11	8.46	8.48	8.14
		1850.7 (18607)	8.35	8.53	8.41	8.10
	3RB-High (3)	1909.3 (19193)	8.06	8.00	8.08	8.01
		1880 (18900)	8.15	8.12	8.20	8.25
		1850.7 (18607)	8.20	8.28	8.37	8.05
	3RB-Middle (1)	1909.3 (19193)	8.19	8.02	8.16	8.22
		1880 (18900)	8.17	8.27	8.22	8.26
		1850.7 (18607)	8.29	8.39	8.29	8.08
	3RB-Low (0)	1909.3 (19193)	8.15	8.16	8.12	8.01
		1880 (18900)	8.10	8.30	8.27	8.07
		1850.7 (18607)	8.26	8.43	8.37	8.02
	6RB (0)	1909.3 (19193)	8.21	8.11	8.07	8.30
		1880 (18900)	8.09	8.23	8.15	8.10
		1850.7 (18607)	8.39	8.42	8.30	8.21
3MHz	1RB-High (14)	1908.5 (19185)	8.04	8.23	8.02	8.29
		1880 (18900)	8.07	8.40	8.33	8.26
		1851.5 (18615)	8.28	8.68	8.47	8.00
	1RB-Middle (7)	1908.5 (19185)	8.03	8.52	8.08	8.01
		1880 (18900)	8.22	8.49	8.12	8.13
		1851.5 (18615)	8.24	8.79	8.85	8.06
	1RB-Low (0)	1908.5 (19185)	8.16	8.49	8.38	8.33
		1880 (18900)	8.27	8.67	8.35	8.06
		1851.5 (18615)	8.41	8.67	8.54	8.09
	8RB-High (7)	1908.5 (19185)	8.10	8.07	8.21	8.17
		1880 (18900)	8.17	8.18	8.20	8.19
		1851.5 (18615)	8.35	8.33	8.40	8.23
	8RB-Middle (4)	1908.5 (19185)	8.08	8.14	8.23	8.05
		1880 (18900)	8.36	8.30	8.25	8.25
		1851.5 (18615)	8.40	8.47	8.38	8.24
	8RB-Low (0)	1908.5 (19185)	8.12	8.29	8.23	8.35
		1880 (18900)	8.35	8.29	8.47	8.34
		1851.5 (18615)	8.47	8.43	8.50	8.03
	15RB (0)	1908.5 (19185)	8.13	8.21	8.12	8.00
		1880 (18900)	8.16	8.17	8.18	8.07
		1851.5 (18615)	8.43	8.41	8.38	8.05

5MHz	1RB-High (24)	1907.5 (19175)	8.06	8.22	8.17	8.22
		1880 (18900)	8.09	8.40	8.34	8.13
		1852.5 (18625)	8.26	8.59	8.52	8.19
	1RB-Middle (12)	1907.5 (19175)	8.02	8.52	8.09	8.23
		1880 (18900)	8.14	8.65	8.13	8.22
		1852.5 (18625)	8.32	8.73	8.84	8.20
	1RB-Low (0)	1907.5 (19175)	8.11	8.46	8.19	8.28
		1880 (18900)	8.24	8.58	8.48	8.31
		1852.5 (18625)	8.29	8.77	8.58	8.21
	12RB-High (13)	1907.5 (19175)	8.08	8.11	8.07	8.10
		1880 (18900)	8.13	8.20	8.19	8.14
		1852.5 (18625)	8.27	8.39	8.30	8.35
	12RB-Middle (6)	1907.5 (19175)	8.15	8.19	8.15	8.28
		1880 (18900)	8.20	8.27	8.18	8.21
		1852.5 (18625)	8.47	8.50	8.48	8.17
	12RB-Low (0)	1907.5 (19175)	8.19	8.15	8.20	8.22
		1880 (18900)	8.34	8.31	8.30	8.27
		1852.5 (18625)	8.42	8.55	8.39	8.29
	25RB (0)	1907.5 (19175)	8.18	8.20	8.09	8.10
		1880 (18900)	8.23	8.15	8.20	8.13
		1852.5 (18625)	8.39	8.41	8.28	8.15
10MHz	1RB-High (49)	1905 (19150)	8.08	8.22	8.09	8.21
		1880 (18900)	8.12	8.43	8.29	8.13
		1855 (18650)	8.29	8.54	8.40	8.00
	1RB-Middle (24)	1905 (19150)	8.08	8.23	8.28	8.22
		1880 (18900)	8.15	8.36	8.34	8.22
		1855 (18650)	8.25	8.39	8.45	8.08
	1RB-Low (0)	1905 (19150)	8.05	8.45	8.33	8.25
		1880 (18900)	8.12	8.61	8.46	8.24
		1855 (18650)	8.35	8.71	8.53	8.12
	25RB-High (25)	1905 (19150)	8.04	8.09	8.05	8.22
		1880 (18900)	8.13	8.20	8.29	8.04
		1855 (18650)	8.35	8.36	8.36	8.06
	25RB-Middle (12)	1905 (19150)	8.17	8.30	8.07	8.02
		1880 (18900)	8.26	8.35	8.23	8.16
		1855 (18650)	8.41	8.50	8.41	8.25
	25RB-Low (0)	1905 (19150)	8.21	8.21	8.20	8.09
		1880 (18900)	8.32	8.35	8.39	8.26
		1855 (18650)	8.47	8.48	8.48	8.04
	50RB (0)	1905 (19150)	8.22	8.18	8.22	8.25
		1880 (18900)	8.23	8.21	8.28	8.19
		1855 (18650)	8.46	8.44	8.36	8.34

15MHz	1RB-High (74)	1902.5 (19125)	8.09	8.25	8.08	8.12
		1880 (18900)	8.03	8.36	8.16	8.06
		1857.5 (18675)	8.11	8.48	8.21	8.24
	1RB-Middle (37)	1902.5 (19125)	8.07	8.28	8.19	8.35
		1880 (18900)	8.09	8.44	8.23	8.00
		1857.5 (18675)	8.17	8.52	8.35	8.07
	1RB-Low (0)	1902.5 (19125)	8.07	8.24	8.25	8.10
		1880 (18900)	8.10	8.58	8.37	8.28
		1857.5 (18675)	8.20	8.62	8.32	8.05
	36RB-High (38)	1902.5 (19125)	8.00	8.08	8.09	8.12
		1880 (18900)	8.15	8.09	8.13	8.17
		1857.5 (18675)	8.18	8.17	8.28	8.13
	36RB-Middle (19)	1902.5 (19125)	8.11	8.12	8.10	8.14
		1880 (18900)	8.09	8.05	8.17	8.33
		1857.5 (18675)	8.26	8.27	8.33	8.31
	36RB-Low (0)	1902.5 (19125)	8.11	8.06	8.09	8.02
		1880 (18900)	8.21	8.16	8.21	8.05
		1857.5 (18675)	8.25	8.34	8.34	8.17
	75RB (0)	1902.5 (19125)	8.14	8.11	8.02	8.13
		1880 (18900)	8.12	8.10	8.18	8.02
		1857.5 (18675)	8.29	8.31	8.28	8.15
20MHz	1RB-High (99)	1900 (19100)	8.08	8.22	8.04	8.20
		1880 (18900)	8.08	8.23	8.15	8.20
		1860 (18700)	8.08	8.43	8.25	8.23
	1RB-Middle (50)	1900 (19100)	8.01	8.15	8.06	8.30
		1880 (18900)	8.18	8.24	8.33	8.20
		1860 (18700)	8.19	8.37	8.45	8.11
	1RB-Low (0)	1900 (19100)	8.03	8.25	8.15	8.13
		1880 (18900)	8.25	8.44	8.30	8.27
		1860 (18700)	8.33	8.52	8.30	8.27
	50RB-High (50)	1900 (19100)	8.03	8.02	8.12	8.28
		1880 (18900)	8.16	8.04	8.15	8.29
		1860 (18700)	8.27	8.29	8.27	8.30
	50RB-Middle (25)	1900 (19100)	8.11	8.12	8.20	8.21
		1880 (18900)	8.25	8.22	8.23	8.14
		1860 (18700)	8.25	8.33	8.24	8.26
	50RB-Low (0)	1900 (19100)	8.19	8.24	8.20	8.06
		1880 (18900)	8.29	8.27	8.27	8.13
		1860 (18700)	8.40	8.43	8.41	8.30
	100RB (0)	1900 (19100)	8.21	8.07	8.11	8.15
		1880 (18900)	8.20	8.20	8.17	8.15
		1860 (18700)	8.25	8.35	8.25	8.08

LTE B4-ANT0 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1754.3 (20393)	22.56	21.86	20.73	17.72
		1732.5 (20175)	22.71	22.10	21.01	17.71
		1710.7 (19957)	22.78	22.19	21.08	17.70
	1RB-Middle (3)	1754.3 (20393)	22.73	22.02	21.05	17.95
		1732.5 (20175)	22.83	21.98	21.05	17.73
		1710.7 (19957)	22.90	22.23	21.16	17.98
	1RB-Low (0)	1754.3 (20393)	22.66	21.85	20.95	17.81
		1732.5 (20175)	22.68	21.98	20.99	17.86
		1710.7 (19957)	22.81	22.16	21.05	17.91
	3RB-High (3)	1754.3 (20393)	22.61	21.72	20.71	17.97
		1732.5 (20175)	22.79	21.90	20.87	17.76
		1710.7 (19957)	22.85	21.85	21.08	17.93
	3RB-Middle (1)	1754.3 (20393)	22.72	21.78	20.91	17.84
		1732.5 (20175)	22.82	21.92	21.01	17.73
		1710.7 (19957)	22.85	21.94	21.11	17.80
	3RB-Low (0)	1754.3 (20393)	22.65	21.69	20.78	17.85
		1732.5 (20175)	22.79	21.89	20.96	17.94
		1710.7 (19957)	22.91	21.98	21.03	17.94
	6RB (0)	1754.3 (20393)	21.72	20.64	19.63	17.80
		1732.5 (20175)	21.82	20.87	19.84	17.70
		1710.7 (19957)	21.91	20.96	19.90	17.92
3MHz	1RB-High (14)	1753.5 (20385)	22.67	22.06	20.84	17.81
		1732.5 (20175)	22.80	22.13	21.00	17.79
		1711.5 (19965)	22.91	22.26	21.19	17.88
	1RB-Middle (7)	1753.5 (20385)	22.59	22.03	20.96	17.82
		1732.5 (20175)	22.73	22.43	21.06	17.73
		1711.5 (19965)	22.80	22.08	21.17	17.79
	1RB-Low (0)	1753.5 (20385)	22.78	22.13	21.00	17.87
		1732.5 (20175)	22.88	22.18	21.20	17.94
		1711.5 (19965)	22.87	22.20	21.23	17.95
	8RB-High (7)	1753.5 (20385)	21.81	20.88	19.85	17.95
		1732.5 (20175)	21.91	20.97	19.95	17.81
		1711.5 (19965)	21.98	20.99	20.01	17.84
	8RB-Middle (4)	1753.5 (20385)	21.83	20.85	19.77	17.72
		1732.5 (20175)	22.03	20.99	19.97	17.85
		1711.5 (19965)	21.99	21.07	20.02	17.80
	8RB-Low (0)	1753.5 (20385)	21.72	20.91	19.75	17.77
		1732.5 (20175)	21.94	20.95	19.95	17.81
		1711.5 (19965)	21.97	20.95	19.97	17.72
	15RB (0)	1753.5 (20385)	21.76	20.78	19.79	17.73
		1732.5 (20175)	21.95	20.85	19.94	17.93
		1711.5 (19965)	21.99	21.01	19.99	17.97

5MHz	1RB-High (24)	1752.5 (20375)	22.73	22.08	20.96	17.96
		1732.5 (20175)	22.83	22.08	21.01	17.75
		1712.5 (19975)	22.90	22.24	21.13	17.99
	1RB-Middle (12)	1752.5 (20375)	22.67	22.12	20.85	17.74
		1732.5 (20175)	22.76	22.03	21.02	17.75
		1712.5 (19975)	22.84	22.60	21.05	17.74
	1RB-Low (0)	1752.5 (20375)	22.73	22.13	20.99	17.76
		1732.5 (20175)	22.93	22.22	21.01	17.76
		1712.5 (19975)	22.99	22.22	21.16	17.84
	12RB-High (13)	1752.5 (20375)	21.83	20.74	19.79	17.94
		1732.5 (20175)	21.87	20.99	19.94	17.94
		1712.5 (19975)	21.97	21.04	19.97	17.84
	12RB-Middle (6)	1752.5 (20375)	21.84	20.83	19.75	17.71
		1732.5 (20175)	21.94	20.99	20.01	17.95
		1712.5 (19975)	22.00	21.10	20.08	17.88
	12RB-Low (0)	1752.5 (20375)	21.84	20.80	19.77	17.97
		1732.5 (20175)	21.97	20.93	19.92	17.79
		1712.5 (19975)	22.01	21.00	20.02	17.88
	25RB (0)	1752.5 (20375)	21.76	20.80	19.83	17.86
		1732.5 (20175)	21.88	20.93	19.98	17.95
		1712.5 (19975)	22.05	21.02	20.02	17.85
10MHz	1RB-High (49)	1750 (20350)	22.61	22.00	20.97	17.94
		1732.5 (20175)	22.84	22.19	21.06	17.83
		1715 (20000)	22.75	22.24	20.94	17.98
	1RB-Middle (24)	1750 (20350)	22.66	22.09	21.02	17.99
		1732.5 (20175)	22.72	22.07	20.93	17.84
		1715 (20000)	23.01	22.20	21.09	17.74
	1RB-Low (0)	1750 (20350)	22.71	22.15	21.09	17.79
		1732.5 (20175)	22.78	22.21	21.00	17.70
		1715 (20000)	22.88	22.21	21.21	17.78
	25RB-High (25)	1750 (20350)	21.82	20.78	19.84	17.96
		1732.5 (20175)	21.91	20.94	19.93	17.98
		1715 (20000)	22.05	20.99	20.06	17.87
	25RB-Middle (12)	1750 (20350)	21.87	20.88	19.91	17.80
		1732.5 (20175)	21.95	20.98	20.04	17.84
		1715 (20000)	22.04	21.01	20.07	17.70
	25RB-Low (0)	1750 (20350)	21.82	20.87	19.87	17.98
		1732.5 (20175)	21.77	20.89	19.94	17.94
		1715 (20000)	22.00	21.05	20.05	17.80
	50RB (0)	1750 (20350)	21.82	20.88	19.89	17.86
		1732.5 (20175)	21.84	20.89	19.95	17.78
		1715 (20000)	22.00	21.08	20.06	17.71

15MHz	1RB-High (74)	1747.5 (20325)	22.53	21.73	20.67	17.73
		1732.5 (20175)	22.67	22.01	20.91	17.91
		1717.5 (20025)	22.70	22.05	20.96	17.87
	1RB-Middle (37)	1747.5 (20325)	22.52	21.89	20.74	17.79
		1732.5 (20175)	22.74	22.04	20.94	17.80
		1717.5 (20025)	22.71	22.06	21.04	17.76
	1RB-Low (0)	1747.5 (20325)	22.67	22.14	21.04	17.97
		1732.5 (20175)	22.68	22.11	20.92	17.93
		1717.5 (20025)	22.67	22.19	21.11	17.90
	36RB-High (38)	1747.5 (20325)	21.68	20.67	19.74	17.79
		1732.5 (20175)	21.77	20.77	19.84	17.96
		1717.5 (20025)	21.81	20.82	19.82	17.81
	36RB-Middle (19)	1747.5 (20325)	21.73	20.75	19.81	17.95
		1732.5 (20175)	21.81	20.80	19.88	17.79
		1717.5 (20025)	21.83	20.87	19.89	17.90
	36RB-Low (0)	1747.5 (20325)	21.73	20.67	19.81	17.90
		1732.5 (20175)	21.76	20.75	19.81	17.91
		1717.5 (20025)	21.87	20.85	19.91	17.90
	75RB (0)	1747.5 (20325)	21.68	20.72	19.60	17.78
		1732.5 (20175)	21.70	20.70	19.75	17.93
		1717.5 (20025)	21.81	20.84	19.76	17.97
20MHz	1RB-High (99)	1745 (20300)	22.70	21.91	20.80	17.80
		1732.5 (20175)	22.70	22.05	20.97	17.91
		1720 (20050)	22.84	22.04	20.92	17.83
	1RB-Middle (50)	1745 (20300)	22.68	22.08	20.66	17.88
		1732.5 (20175)	22.76	22.10	20.87	17.85
		1720 (20050)	22.77	22.12	20.97	17.97
	1RB-Low (0)	1745 (20300)	22.92	22.18	20.98	17.86
		1732.5 (20175)	22.88	22.19	20.97	18.01
		1720 (20050)	22.90	22.20	20.92	18.01
	50RB-High (50)	1745 (20300)	21.82	20.79	19.71	17.80
		1732.5 (20175)	21.87	20.85	19.80	17.87
		1720 (20050)	21.96	20.90	19.86	17.80
	50RB-Middle (25)	1745 (20300)	21.89	20.85	19.89	17.72
		1732.5 (20175)	21.87	20.83	19.78	17.84
		1720 (20050)	21.96	20.98	19.91	17.90
	50RB-Low (0)	1745 (20300)	21.93	20.88	19.83	17.79
		1732.5 (20175)	21.88	20.81	19.86	17.78
		1720 (20050)	22.02	20.96	19.90	17.93
	100RB (0)	1745 (20300)	21.81	20.82	19.74	17.78
		1732.5 (20175)	21.85	20.83	19.77	17.80
		1720 (20050)	21.95	20.87	19.90	17.93

LTE B4-ANT0 (Power Level B1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1754.3 (20393)	12.61	12.88	12.80	12.96
		1732.5 (20175)	12.57	12.91	12.98	12.64
		1710.7 (19957)	12.69	13.07	12.90	12.90
	1RB-Middle (3)	1754.3 (20393)	12.56	12.91	12.77	12.77
		1732.5 (20175)	12.62	13.10	12.91	12.75
		1710.7 (19957)	12.70	13.07	12.96	12.83
	1RB-Low (0)	1754.3 (20393)	12.57	12.90	12.81	12.61
		1732.5 (20175)	12.64	12.93	12.86	12.83
		1710.7 (19957)	12.67	12.94	12.89	12.76
	3RB-High (3)	1754.3 (20393)	12.57	12.76	12.76	12.86
		1732.5 (20175)	12.65	12.74	12.76	12.91
		1710.7 (19957)	12.71	12.79	12.78	12.62
	3RB-Middle (1)	1754.3 (20393)	12.72	12.51	12.70	12.94
		1732.5 (20175)	12.69	12.67	12.72	12.72
		1710.7 (19957)	12.72	12.64	12.78	12.72
	3RB-Low (0)	1754.3 (20393)	12.59	12.71	12.79	12.97
		1732.5 (20175)	12.68	12.71	12.75	12.70
		1710.7 (19957)	12.68	12.82	12.80	12.68
	6RB (0)	1754.3 (20393)	12.70	12.70	12.80	12.85
		1732.5 (20175)	12.77	12.87	12.91	12.89
		1710.7 (19957)	12.69	12.91	12.91	12.94
3MHz	1RB-High (14)	1753.5 (20385)	12.76	13.10	12.93	12.78
		1732.5 (20175)	12.77	13.18	12.93	12.90
		1711.5 (19965)	12.74	12.98	12.98	12.69
	1RB-Middle (7)	1753.5 (20385)	12.67	12.99	12.89	12.70
		1732.5 (20175)	12.65	12.89	12.85	12.94
		1711.5 (19965)	12.74	13.00	12.68	12.73
	1RB-Low (0)	1753.5 (20385)	12.79	13.04	12.87	12.97
		1732.5 (20175)	12.71	13.19	12.87	12.87
		1711.5 (19965)	12.74	13.02	13.01	12.61
	8RB-High (7)	1753.5 (20385)	12.74	12.73	12.90	12.62
		1732.5 (20175)	12.78	12.98	12.94	12.87
		1711.5 (19965)	12.85	12.93	12.92	12.71
	8RB-Middle (4)	1753.5 (20385)	12.85	12.94	12.87	12.76
		1732.5 (20175)	12.80	12.92	12.76	12.71
		1711.5 (19965)	12.76	12.88	12.91	12.79
	8RB-Low (0)	1753.5 (20385)	12.82	12.82	12.86	12.71
		1732.5 (20175)	12.71	12.82	12.77	12.80
		1711.5 (19965)	12.82	12.86	12.91	12.94
	15RB (0)	1753.5 (20385)	12.78	12.69	12.83	12.94
		1732.5 (20175)	12.75	12.85	12.74	12.92
		1711.5 (19965)	12.84	12.81	12.78	12.89

5MHz	1RB-High (24)	1752.5 (20375)	12.75	13.03	12.84	12.62
		1732.5 (20175)	12.74	12.96	12.89	12.87
		1712.5 (19975)	12.76	13.10	12.93	12.94
	1RB-Middle (12)	1752.5 (20375)	12.69	13.00	12.80	12.74
		1732.5 (20175)	12.69	12.94	12.92	12.62
		1712.5 (19975)	12.73	13.08	12.89	12.97
	1RB-Low (0)	1752.5 (20375)	12.79	13.15	13.02	12.73
		1732.5 (20175)	12.72	13.16	13.25	12.74
		1712.5 (19975)	12.74	13.05	13.05	12.96
	12RB-High (13)	1752.5 (20375)	12.72	12.77	12.84	12.71
		1732.5 (20175)	12.83	12.88	12.74	12.69
		1712.5 (19975)	12.79	12.86	12.82	12.65
	12RB-Middle (6)	1752.5 (20375)	12.79	12.81	12.78	12.73
		1732.5 (20175)	12.84	12.77	12.74	12.79
		1712.5 (19975)	12.83	12.92	12.87	12.83
	12RB-Low (0)	1752.5 (20375)	12.86	12.80	12.76	12.72
		1732.5 (20175)	12.76	12.64	12.79	12.83
		1712.5 (19975)	12.81	12.79	12.83	12.86
	25RB (0)	1752.5 (20375)	12.80	12.83	12.83	12.62
		1732.5 (20175)	12.78	12.78	12.71	12.87
		1712.5 (19975)	12.89	12.80	12.91	12.65
10MHz	1RB-High (49)	1750 (20350)	12.65	12.96	12.81	12.67
		1732.5 (20175)	12.74	13.11	12.89	12.72
		1715 (20000)	12.63	13.08	12.79	12.89
	1RB-Middle (24)	1750 (20350)	12.67	12.97	12.96	12.77
		1732.5 (20175)	12.68	13.15	12.95	12.80
		1715 (20000)	12.74	12.87	12.86	12.66
	1RB-Low (0)	1750 (20350)	12.66	13.12	12.83	12.79
		1732.5 (20175)	12.69	13.12	12.94	12.73
		1715 (20000)	12.74	13.04	13.03	12.92
	25RB-High (25)	1750 (20350)	12.86	12.91	12.79	12.62
		1732.5 (20175)	12.83	12.85	12.86	12.85
		1715 (20000)	12.77	12.88	12.82	12.79
	25RB-Middle (12)	1750 (20350)	12.78	12.76	12.83	12.93
		1732.5 (20175)	12.78	12.83	12.91	12.91
		1715 (20000)	12.82	12.97	12.85	12.94
	25RB-Low (0)	1750 (20350)	12.75	12.78	12.81	12.77
		1732.5 (20175)	12.79	12.82	12.74	12.63
		1715 (20000)	12.85	12.88	12.89	12.77
	50RB (0)	1750 (20350)	12.78	12.79	12.77	12.64
		1732.5 (20175)	12.74	12.80	12.78	12.87
		1715 (20000)	12.85	12.89	12.79	12.96

15MHz	1RB-High (74)	1747.5 (20325)	12.53	12.99	12.82	12.83
		1732.5 (20175)	12.56	12.82	12.84	12.70
		1717.5 (20025)	12.62	12.99	12.72	12.68
	1RB-Middle (37)	1747.5 (20325)	12.55	12.86	12.74	12.74
		1732.5 (20175)	12.56	12.89	12.85	12.86
		1717.5 (20025)	12.62	12.95	12.91	12.73
	1RB-Low (0)	1747.5 (20325)	12.54	12.93	12.98	12.72
		1732.5 (20175)	12.66	13.01	12.83	12.84
		1717.5 (20025)	12.67	13.05	12.89	12.74
	36RB-High (38)	1747.5 (20325)	12.67	12.71	12.69	12.75
		1732.5 (20175)	12.70	12.74	12.71	12.93
		1717.5 (20025)	12.74	12.67	12.68	12.61
	36RB-Middle (19)	1747.5 (20325)	12.64	12.69	12.62	12.84
		1732.5 (20175)	12.70	12.71	12.68	12.79
		1717.5 (20025)	12.75	12.78	12.75	12.65
	36RB-Low (0)	1747.5 (20325)	12.66	12.57	12.65	12.67
		1732.5 (20175)	12.64	12.69	12.66	12.93
		1717.5 (20025)	12.68	12.72	12.69	12.87
	75RB (0)	1747.5 (20325)	12.58	12.69	12.66	12.78
		1732.5 (20175)	12.66	12.70	12.59	12.93
		1717.5 (20025)	12.76	12.69	12.66	12.62
20MHz	1RB-High (99)	1745 (20300)	12.61	12.98	12.87	13.08
		1732.5 (20175)	12.69	13.04	12.91	12.98
		1720 (20050)	12.57	12.92	12.88	13.04
	1RB-Middle (50)	1745 (20300)	12.61	12.94	12.85	12.95
		1732.5 (20175)	12.63	12.95	12.90	12.82
		1720 (20050)	12.69	12.96	12.93	13.08
	1RB-Low (0)	1745 (20300)	12.68	13.08	12.88	12.69
		1732.5 (20175)	12.82	13.19	13.07	13.04
		1720 (20050)	12.74	13.19	12.93	13.00
	50RB-High (50)	1745 (20300)	12.78	12.81	12.69	12.72
		1732.5 (20175)	12.78	12.82	12.70	13.01
		1720 (20050)	12.76	12.82	12.79	13.10
	50RB-Middle (25)	1745 (20300)	12.78	12.86	12.85	12.98
		1732.5 (20175)	12.71	12.75	12.73	12.74
		1720 (20050)	12.82	12.85	12.84	13.08
	50RB-Low (0)	1745 (20300)	12.79	12.72	12.72	12.99
		1732.5 (20175)	12.79	12.74	12.71	12.65
		1720 (20050)	12.78	12.82	12.79	12.81
	100RB (0)	1745 (20300)	12.72	12.74	12.65	12.73
		1732.5 (20175)	12.76	12.79	12.78	13.05
		1720 (20050)	12.77	12.78	12.80	12.75

LTE B4-ANT0 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1754.3 (20393)	9.34	9.60	9.49	9.65
		1732.5 (20175)	9.27	9.62	9.79	9.55
		1710.7 (19957)	9.35	9.74	9.75	9.52
	1RB-Middle (3)	1754.3 (20393)	9.52	9.67	9.60	9.33
		1732.5 (20175)	9.64	9.75	9.78	9.56
		1710.7 (19957)	9.68	9.85	9.71	9.44
	1RB-Low (0)	1754.3 (20393)	9.38	9.66	9.57	9.45
		1732.5 (20175)	9.40	9.73	9.59	9.54
		1710.7 (19957)	9.45	9.75	9.76	9.42
	3RB-High (3)	1754.3 (20393)	9.47	9.43	9.45	9.30
		1732.5 (20175)	9.42	9.43	9.49	9.70
		1710.7 (19957)	9.49	9.56	9.60	9.36
	3RB-Middle (1)	1754.3 (20393)	9.34	9.52	9.53	9.36
		1732.5 (20175)	9.46	9.23	9.55	9.49
		1710.7 (19957)	9.50	9.63	9.45	9.36
	3RB-Low (0)	1754.3 (20393)	9.39	9.48	9.47	9.60
		1732.5 (20175)	9.42	9.71	9.52	9.70
		1710.7 (19957)	9.37	9.52	9.60	9.29
	6RB (0)	1754.3 (20393)	9.46	9.56	9.42	9.39
		1732.5 (20175)	9.49	9.56	9.59	9.56
		1710.7 (19957)	9.56	9.66	9.47	9.64
3MHz	1RB-High (14)	1753.5 (20385)	9.44	9.86	9.70	9.66
		1732.5 (20175)	9.53	9.71	9.69	9.35
		1711.5 (19965)	9.59	9.93	9.75	9.40
	1RB-Middle (7)	1753.5 (20385)	9.41	9.76	9.63	9.30
		1732.5 (20175)	9.44	9.92	9.27	9.49
		1711.5 (19965)	9.48	9.71	9.67	9.34
	1RB-Low (0)	1753.5 (20385)	9.51	9.77	9.72	9.54
		1732.5 (20175)	9.55	9.78	9.71	9.59
		1711.5 (19965)	9.54	9.84	9.69	9.32
	8RB-High (7)	1753.5 (20385)	9.60	9.58	9.60	9.55
		1732.5 (20175)	9.59	9.57	9.67	9.25
		1711.5 (19965)	9.63	9.59	9.65	9.35
	8RB-Middle (4)	1753.5 (20385)	9.52	9.69	9.57	9.54
		1732.5 (20175)	9.64	9.63	9.63	9.38
		1711.5 (19965)	9.53	9.73	9.65	9.56
	8RB-Low (0)	1753.5 (20385)	9.49	9.65	9.59	9.35
		1732.5 (20175)	9.52	9.49	9.55	9.70
		1711.5 (19965)	9.59	9.69	9.62	9.33
	15RB (0)	1753.5 (20385)	9.59	9.57	9.49	9.30
		1732.5 (20175)	9.51	9.54	9.52	9.61
		1711.5 (19965)	9.62	9.60	9.57	9.64

5MHz	1RB-High (24)	1752.5 (20375)	9.44	9.91	9.69	9.49
		1732.5 (20175)	9.56	9.90	9.78	9.30
		1712.5 (19975)	9.49	9.91	9.80	9.50
	1RB-Middle (12)	1752.5 (20375)	9.43	9.81	9.45	9.43
		1732.5 (20175)	9.52	9.84	9.65	9.43
		1712.5 (19975)	9.52	9.90	9.73	9.60
	1RB-Low (0)	1752.5 (20375)	9.52	9.77	9.73	9.66
		1732.5 (20175)	9.55	9.89	9.70	9.30
		1712.5 (19975)	9.64	9.84	9.81	9.57
	12RB-High (13)	1752.5 (20375)	9.49	9.66	9.56	9.64
		1732.5 (20175)	9.58	9.63	9.56	9.55
		1712.5 (19975)	9.59	9.60	9.54	9.40
	12RB-Middle (6)	1752.5 (20375)	9.70	9.62	9.59	9.53
		1732.5 (20175)	9.60	9.51	9.57	9.53
		1712.5 (19975)	9.65	9.69	9.63	9.62
	12RB-Low (0)	1752.5 (20375)	9.59	9.61	9.62	9.68
		1732.5 (20175)	9.53	9.66	9.59	9.53
		1712.5 (19975)	9.64	9.67	9.63	9.57
	25RB (0)	1752.5 (20375)	9.60	9.64	9.60	9.47
		1732.5 (20175)	9.51	9.53	9.52	9.49
		1712.5 (19975)	9.67	9.70	9.69	9.28
10MHz	1RB-High (49)	1750 (20350)	9.55	9.81	9.55	9.31
		1732.5 (20175)	9.56	9.92	9.81	9.50
		1715 (20000)	9.58	9.97	9.78	9.32
	1RB-Middle (24)	1750 (20350)	9.60	9.81	9.75	9.38
		1732.5 (20175)	9.62	9.83	9.81	9.43
		1715 (20000)	9.68	9.90	9.65	9.47
	1RB-Low (0)	1750 (20350)	9.54	9.85	9.68	9.69
		1732.5 (20175)	9.57	9.92	9.69	9.39
		1715 (20000)	9.64	9.81	9.82	9.28
	25RB-High (25)	1750 (20350)	9.67	9.66	9.59	9.41
		1732.5 (20175)	9.67	9.65	9.73	9.57
		1715 (20000)	9.64	9.65	9.64	9.62
	25RB-Middle (12)	1750 (20350)	9.70	9.60	9.66	9.59
		1732.5 (20175)	9.65	9.64	9.69	9.34
		1715 (20000)	9.69	9.71	9.74	9.46
	25RB-Low (0)	1750 (20350)	9.59	9.65	9.60	9.40
		1732.5 (20175)	9.54	9.60	9.60	9.46
		1715 (20000)	9.72	9.73	9.60	9.38
	50RB (0)	1750 (20350)	9.63	9.56	9.55	9.63
		1732.5 (20175)	9.60	9.64	9.65	9.70
		1715 (20000)	9.71	9.73	9.69	9.41

15MHz	1RB-High (74)	1747.5 (20325)	9.58	9.90	9.55	9.46
		1732.5 (20175)	9.58	9.83	9.50	9.27
		1717.5 (20025)	9.56	9.93	9.59	9.64
	1RB-Middle (37)	1747.5 (20325)	9.48	9.82	9.68	9.67
		1732.5 (20175)	9.54	9.83	9.71	9.43
		1717.5 (20025)	9.57	9.82	9.60	9.37
	1RB-Low (0)	1747.5 (20325)	9.65	9.90	9.65	9.44
		1732.5 (20175)	9.57	9.76	9.70	9.62
		1717.5 (20025)	9.58	9.76	9.64	9.61
	36RB-High (38)	1747.5 (20325)	9.68	9.71	9.57	9.47
		1732.5 (20175)	9.63	9.59	9.58	9.66
		1717.5 (20025)	9.74	9.65	9.63	9.49
	36RB-Middle (19)	1747.5 (20325)	9.63	9.62	9.64	9.64
		1732.5 (20175)	9.62	9.59	9.56	9.37
		1717.5 (20025)	9.75	9.65	9.66	9.27
	36RB-Low (0)	1747.5 (20325)	9.62	9.52	9.52	9.63
		1732.5 (20175)	9.72	9.58	9.63	9.48
		1717.5 (20025)	9.57	9.52	9.51	9.52
	75RB (0)	1747.5 (20325)	9.63	9.54	9.42	9.70
		1732.5 (20175)	9.54	9.55	9.49	9.69
		1717.5 (20025)	9.74	9.64	9.61	9.58
20MHz	1RB-High (99)	1745 (20300)	9.24	9.57	9.57	9.67
		1732.5 (20175)	9.23	9.70	9.52	9.71
		1720 (20050)	9.29	9.66	9.65	9.62
	1RB-Middle (50)	1745 (20300)	9.21	9.59	9.48	9.32
		1732.5 (20175)	9.35	9.71	9.59	9.39
		1720 (20050)	9.32	9.62	9.55	9.71
	1RB-Low (0)	1745 (20300)	9.35	9.65	9.68	9.64
		1732.5 (20175)	9.36	9.86	9.48	9.80
		1720 (20050)	9.35	9.70	9.64	9.32
	50RB-High (50)	1745 (20300)	9.42	9.43	9.42	9.52
		1732.5 (20175)	9.43	9.48	9.45	9.53
		1720 (20050)	9.47	9.41	9.48	9.40
	50RB-Middle (25)	1745 (20300)	9.41	9.49	9.41	9.61
		1732.5 (20175)	9.37	9.40	9.36	9.67
		1720 (20050)	9.44	9.47	9.46	9.51
	50RB-Low (0)	1745 (20300)	9.38	9.39	9.36	9.78
		1732.5 (20175)	9.40	9.44	9.42	9.31
		1720 (20050)	9.43	9.36	9.36	9.67
	100RB (0)	1745 (20300)	9.32	9.32	9.36	9.68
		1732.5 (20175)	9.42	9.37	9.34	9.78
		1720 (20050)	9.48	9.52	9.46	9.78

LTE B4-ANT4 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1754.3 (20393)	23.10	22.40	21.56	18.10
		1732.5 (20175)	23.04	22.33	21.59	18.08
		1710.7 (19957)	23.02	22.43	21.59	18.09
	1RB-Middle (3)	1754.3 (20393)	23.15	22.53	21.51	18.16
		1732.5 (20175)	23.07	22.44	21.55	18.06
		1710.7 (19957)	23.03	22.31	21.66	18.09
	1RB-Low (0)	1754.3 (20393)	23.08	22.28	21.52	18.06
		1732.5 (20175)	23.02	22.28	21.63	18.04
		1710.7 (19957)	23.03	22.29	21.64	18.29
	3RB-High (3)	1754.3 (20393)	23.11	22.40	21.38	18.22
		1732.5 (20175)	23.04	22.40	21.53	18.25
		1710.7 (19957)	23.16	22.36	21.34	18.27
	3RB-Middle (1)	1754.3 (20393)	23.17	22.38	21.36	18.03
		1732.5 (20175)	23.11	22.47	21.45	18.01
		1710.7 (19957)	23.03	22.36	21.34	18.29
	3RB-Low (0)	1754.3 (20393)	23.07	22.44	21.42	18.07
		1732.5 (20175)	23.13	22.39	21.37	18.06
		1710.7 (19957)	23.12	22.42	21.40	18.07
	6RB (0)	1754.3 (20393)	22.23	22.04	20.52	18.10
		1732.5 (20175)	22.10	21.99	20.67	18.09
		1710.7 (19957)	22.19	21.96	20.57	18.11
3MHz	1RB-High (14)	1753.5 (20385)	23.06	22.51	21.57	18.00
		1732.5 (20175)	23.08	22.47	21.45	18.27
		1711.5 (19965)	23.07	22.41	21.39	18.21
	1RB-Middle (7)	1753.5 (20385)	23.03	22.52	21.59	18.17
		1732.5 (20175)	23.18	22.52	21.63	18.00
		1711.5 (19965)	23.05	22.40	21.56	18.15
	1RB-Low (0)	1753.5 (20385)	23.11	22.36	21.34	18.04
		1732.5 (20175)	23.06	22.54	21.51	18.24
		1711.5 (19965)	23.08	22.40	21.38	18.17
	8RB-High (7)	1753.5 (20385)	22.20	21.93	20.66	18.15
		1732.5 (20175)	22.11	21.93	20.66	18.06
		1711.5 (19965)	22.15	21.90	20.62	18.09
	8RB-Middle (4)	1753.5 (20385)	22.20	21.86	20.58	18.08
		1732.5 (20175)	22.25	21.80	20.52	18.14
		1711.5 (19965)	22.19	21.94	20.67	18.20
	8RB-Low (0)	1753.5 (20385)	22.11	21.78	20.50	18.03
		1732.5 (20175)	22.25	21.80	20.52	18.26
		1711.5 (19965)	22.19	21.91	20.64	18.15
	15RB (0)	1753.5 (20385)	22.12	22.04	20.52	18.05
		1732.5 (20175)	22.19	22.05	20.53	18.08
		1711.5 (19965)	22.22	22.08	20.56	18.07

5MHz	1RB-High (24)	1752.5 (20375)	23.04	22.52	21.49	18.26
		1732.5 (20175)	23.10	22.52	21.58	18.13
		1712.5 (19975)	23.04	22.46	21.44	18.25
	1RB-Middle (12)	1752.5 (20375)	23.15	22.42	21.56	18.12
		1732.5 (20175)	23.18	22.45	21.58	18.01
		1712.5 (19975)	23.16	22.51	21.48	18.21
	1RB-Low (0)	1752.5 (20375)	23.11	22.47	21.45	18.14
		1732.5 (20175)	23.00	22.53	21.51	18.17
		1712.5 (19975)	23.09	22.39	21.55	18.04
	12RB-High (13)	1752.5 (20375)	22.24	21.94	20.67	18.18
		1732.5 (20175)	22.09	21.92	20.65	18.12
		1712.5 (19975)	22.17	21.85	20.57	18.13
	12RB-Middle (6)	1752.5 (20375)	22.09	21.95	20.68	18.27
		1732.5 (20175)	22.22	21.92	20.65	18.10
		1712.5 (19975)	22.25	21.79	20.51	18.17
	12RB-Low (0)	1752.5 (20375)	22.23	21.93	20.66	18.06
		1732.5 (20175)	22.20	21.82	20.54	18.10
		1712.5 (19975)	22.24	21.82	20.54	18.13
	25RB (0)	1752.5 (20375)	22.09	21.87	20.59	18.17
		1732.5 (20175)	22.23	21.82	20.54	18.06
		1712.5 (19975)	22.23	21.81	20.53	18.10
10MHz	1RB-High (49)	1750 (20350)	23.06	22.55	21.52	18.07
		1732.5 (20175)	23.18	22.50	21.65	18.04
		1715 (20000)	23.03	22.52	21.59	18.06
	1RB-Middle (24)	1750 (20350)	23.04	22.45	21.43	18.04
		1732.5 (20175)	23.13	22.49	21.46	18.25
		1715 (20000)	23.14	22.55	21.52	18.26
	1RB-Low (0)	1750 (20350)	23.10	22.52	21.50	18.09
		1732.5 (20175)	23.02	22.42	21.63	18.12
		1715 (20000)	23.06	22.48	21.64	18.05
	25RB-High (25)	1750 (20350)	23.05	22.01	20.68	18.25
		1732.5 (20175)	23.03	22.00	20.58	18.18
		1715 (20000)	23.16	21.96	20.57	18.17
	25RB-Middle (12)	1750 (20350)	23.15	22.02	20.50	18.11
		1732.5 (20175)	23.15	22.03	20.51	18.01
		1715 (20000)	22.92	21.97	20.58	18.15
	25RB-Low (0)	1750 (20350)	23.18	21.97	20.47	18.05
		1732.5 (20175)	23.17	22.06	20.54	18.12
		1715 (20000)	23.12	22.02	20.50	18.11
	50RB (0)	1750 (20350)	23.16	22.07	20.55	18.15
		1732.5 (20175)	23.11	21.98	20.48	18.12
		1715 (20000)	22.90	22.08	20.56	18.06

15MHz	1RB-High (74)	1747.5 (20325)	23.07	22.35	21.33	18.06
		1732.5 (20175)	23.07	22.54	21.61	18.06
		1717.5 (20025)	23.00	22.55	21.52	18.18
	1RB-Middle (37)	1747.5 (20325)	23.18	22.44	21.42	18.04
		1732.5 (20175)	23.22	22.49	21.46	18.21
		1717.5 (20025)	23.10	22.32	21.30	18.11
	1RB-Low (0)	1747.5 (20325)	23.14	22.52	21.49	18.04
		1732.5 (20175)	23.18	22.46	21.44	18.06
		1717.5 (20025)	23.11	22.35	21.33	18.17
	36RB-High (38)	1747.5 (20325)	22.17	22.05	20.53	18.27
		1732.5 (20175)	22.22	21.97	20.62	18.03
		1717.5 (20025)	22.11	21.99	20.49	18.01
	36RB-Middle (19)	1747.5 (20325)	22.08	21.99	20.49	18.02
		1732.5 (20175)	22.02	21.89	20.38	18.20
		1717.5 (20025)	22.08	21.96	20.46	18.04
	36RB-Low (0)	1747.5 (20325)	22.07	21.98	20.48	18.00
		1732.5 (20175)	22.13	21.91	20.41	18.25
		1717.5 (20025)	22.08	21.91	20.41	18.28
	75RB (0)	1747.5 (20325)	22.04	21.90	20.39	18.22
		1732.5 (20175)	22.16	21.97	20.47	18.29
		1717.5 (20025)	22.19	21.99	20.49	18.00
20MHz	1RB-High (99)	1745 (20300)	23.08	22.37	21.35	18.12
		1732.5 (20175)	23.13	22.42	21.40	18.16
		1720 (20050)	23.14	22.43	21.41	18.17
	1RB-Middle (50)	1745 (20300)	23.03	22.32	21.31	18.08
		1732.5 (20175)	23.11	22.40	21.38	18.15
		1720 (20050)	23.02	22.31	21.30	18.08
	1RB-Low (0)	1745 (20300)	23.10	22.39	21.37	18.14
		1732.5 (20175)	23.17	22.36	21.35	18.12
		1720 (20050)	23.00	22.29	21.28	18.06
	50RB-High (50)	1745 (20300)	22.20	21.40	20.37	18.17
		1732.5 (20175)	22.18	21.38	20.35	18.15
		1720 (20050)	22.15	21.35	20.32	18.13
	50RB-Middle (25)	1745 (20300)	22.27	21.47	20.43	18.23
		1732.5 (20175)	22.28	21.37	20.34	18.15
		1720 (20050)	22.14	21.34	20.32	18.12
	50RB-Low (0)	1745 (20300)	22.24	21.44	20.41	18.20
		1732.5 (20175)	22.13	21.33	20.31	18.11
		1720 (20050)	22.16	21.36	20.33	18.14
	100RB (0)	1745 (20300)	22.26	21.46	20.42	18.22
		1732.5 (20175)	22.16	21.36	20.33	18.14
		1720 (20050)	22.17	21.37	20.34	18.15

LTE B4-ANT4 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1754.3 (20393)	7.77	7.81	7.70	7.65
		1732.5 (20175)	7.71	7.83	7.94	7.57
		1710.7 (19957)	7.78	7.93	7.91	7.55
	1RB-Middle (3)	1754.3 (20393)	7.92	7.87	7.78	7.40
		1732.5 (20175)	8.02	7.94	7.93	7.58
		1710.7 (19957)	8.06	8.02	7.87	7.49
	1RB-Low (0)	1754.3 (20393)	7.81	7.86	7.76	7.50
		1732.5 (20175)	7.82	7.92	7.78	7.57
		1710.7 (19957)	7.86	7.94	7.91	7.47
	3RB-High (3)	1754.3 (20393)	7.88	7.68	7.66	7.38
		1732.5 (20175)	7.84	7.68	7.70	7.69
		1710.7 (19957)	7.90	7.78	7.78	7.42
	3RB-Middle (1)	1754.3 (20393)	7.77	7.75	7.73	7.42
		1732.5 (20175)	7.87	7.51	7.74	7.53
		1710.7 (19957)	7.91	7.84	7.66	7.42
	3RB-Low (0)	1754.3 (20393)	7.81	7.72	7.68	7.61
		1732.5 (20175)	7.84	7.90	7.72	7.69
		1710.7 (19957)	7.80	7.75	7.78	7.37
	6RB (0)	1754.3 (20393)	7.87	7.78	7.64	7.45
		1732.5 (20175)	7.90	7.78	7.78	7.58
		1710.7 (19957)	7.96	7.86	7.68	7.65
3MHz	1RB-High (14)	1753.5 (20385)	7.86	8.03	7.87	7.66
		1732.5 (20175)	7.93	7.90	7.86	7.42
		1711.5 (19965)	7.98	8.08	7.91	7.46
	1RB-Middle (7)	1753.5 (20385)	7.83	7.94	7.81	7.38
		1732.5 (20175)	7.86	8.07	7.52	7.53
		1711.5 (19965)	7.89	7.90	7.84	7.41
	1RB-Low (0)	1753.5 (20385)	7.91	7.95	7.88	7.57
		1732.5 (20175)	7.95	7.96	7.87	7.61
		1711.5 (19965)	7.94	8.01	7.86	7.39
	8RB-High (7)	1753.5 (20385)	7.99	7.80	7.78	7.57
		1732.5 (20175)	7.98	7.79	7.84	7.34
		1711.5 (19965)	8.01	7.81	7.82	7.42
	8RB-Middle (4)	1753.5 (20385)	7.92	7.89	7.76	7.57
		1732.5 (20175)	8.02	7.84	7.81	7.44
		1711.5 (19965)	7.93	7.92	7.82	7.58
	8RB-Low (0)	1753.5 (20385)	7.90	7.86	7.78	7.42
		1732.5 (20175)	7.92	7.72	7.74	7.69
		1711.5 (19965)	7.98	7.89	7.80	7.40
	15RB (0)	1753.5 (20385)	7.98	7.79	7.70	7.38
		1732.5 (20175)	7.91	7.77	7.72	7.62
		1711.5 (19965)	8.01	7.81	7.76	7.65

5MHz	1RB-High (24)	1752.5 (20375)	7.86	8.07	7.86	7.53
		1732.5 (20175)	7.96	8.06	7.93	7.38
		1712.5 (19975)	7.90	8.07	7.95	7.54
	1RB-Middle (12)	1752.5 (20375)	7.85	7.99	7.66	7.48
		1732.5 (20175)	7.92	8.01	7.82	7.48
		1712.5 (19975)	7.92	8.06	7.89	7.61
	1RB-Low (0)	1752.5 (20375)	7.92	7.95	7.89	7.66
		1732.5 (20175)	7.95	8.05	7.87	7.38
		1712.5 (19975)	8.02	8.01	7.95	7.59
	12RB-High (13)	1752.5 (20375)	7.90	7.86	7.75	7.65
		1732.5 (20175)	7.97	7.84	7.75	7.57
		1712.5 (19975)	7.98	7.81	7.74	7.46
	12RB-Middle (6)	1752.5 (20375)	8.07	7.83	7.78	7.56
		1732.5 (20175)	7.99	7.74	7.76	7.56
		1712.5 (19975)	8.03	7.89	7.81	7.63
	12RB-Low (0)	1752.5 (20375)	7.98	7.82	7.80	7.68
		1732.5 (20175)	7.93	7.86	7.78	7.56
		1712.5 (19975)	8.02	7.87	7.81	7.59
	25RB (0)	1752.5 (20375)	7.99	7.85	7.78	7.51
		1732.5 (20175)	7.91	7.76	7.72	7.53
		1712.5 (19975)	8.05	7.90	7.86	7.36
10MHz	1RB-High (49)	1750 (20350)	7.95	7.99	7.74	7.38
		1732.5 (20175)	7.96	8.07	7.95	7.54
		1715 (20000)	7.97	8.12	7.93	7.39
	1RB-Middle (24)	1750 (20350)	7.99	7.99	7.91	7.44
		1732.5 (20175)	8.01	8.00	7.95	7.48
		1715 (20000)	8.06	8.06	7.82	7.51
	1RB-Low (0)	1750 (20350)	7.94	8.02	7.85	7.69
		1732.5 (20175)	7.96	8.07	7.86	7.45
		1715 (20000)	8.02	7.99	7.96	7.36
	25RB-High (25)	1750 (20350)	8.05	7.86	7.78	7.46
		1732.5 (20175)	8.05	7.86	7.89	7.59
		1715 (20000)	8.02	7.86	7.82	7.63
	25RB-Middle (12)	1750 (20350)	8.07	7.81	7.83	7.61
		1732.5 (20175)	8.03	7.85	7.86	7.41
		1715 (20000)	8.06	7.90	7.90	7.50
	25RB-Low (0)	1750 (20350)	7.98	7.86	7.78	7.46
		1732.5 (20175)	7.94	7.81	7.78	7.50
		1715 (20000)	8.09	7.92	7.78	7.44
	50RB (0)	1750 (20350)	8.01	7.78	7.74	7.64
		1732.5 (20175)	7.99	7.85	7.82	7.69
		1715 (20000)	8.08	7.92	7.86	7.46

15MHz	1RB-High (74)	1747.5 (20325)	7.97	8.06	7.74	7.50
		1732.5 (20175)	7.97	8.00	7.70	7.35
		1717.5 (20025)	7.96	8.08	7.78	7.65
	1RB-Middle (37)	1747.5 (20325)	7.89	7.99	7.85	7.67
		1732.5 (20175)	7.94	8.00	7.87	7.48
		1717.5 (20025)	7.96	7.99	7.78	7.43
	1RB-Low (0)	1747.5 (20325)	8.03	8.06	7.82	7.49
		1732.5 (20175)	7.96	7.94	7.87	7.63
		1717.5 (20025)	7.97	7.94	7.82	7.62
	36RB-High (38)	1747.5 (20325)	8.06	7.90	7.76	7.51
		1732.5 (20175)	8.01	7.81	7.77	7.66
		1717.5 (20025)	8.11	7.86	7.81	7.53
	36RB-Middle (19)	1747.5 (20325)	8.01	7.83	7.82	7.65
		1732.5 (20175)	8.01	7.81	7.75	7.43
		1717.5 (20025)	8.11	7.86	7.83	7.35
	36RB-Low (0)	1747.5 (20325)	8.01	7.75	7.72	7.64
		1732.5 (20175)	8.09	7.80	7.81	7.52
		1717.5 (20025)	7.96	7.75	7.71	7.55
	75RB (0)	1747.5 (20325)	8.01	7.77	7.64	7.69
		1732.5 (20175)	7.94	7.77	7.70	7.69
		1717.5 (20025)	8.11	7.85	7.79	7.60
20MHz	1RB-High (99)	1745 (20300)	7.69	7.79	7.76	7.67
		1732.5 (20175)	7.70	7.80	7.77	7.68
		1720 (20050)	7.65	7.75	7.72	7.63
	1RB-Middle (50)	1745 (20300)	7.67	7.77	7.74	7.65
		1732.5 (20175)	7.63	7.73	7.70	7.61
		1720 (20050)	7.64	7.74	7.71	7.62
	1RB-Low (0)	1745 (20300)	7.70	7.80	7.77	7.68
		1732.5 (20175)	7.70	7.80	7.77	7.68
		1720 (20050)	7.65	7.75	7.72	7.63
	50RB-High (50)	1745 (20300)	7.62	7.72	7.69	7.60
		1732.5 (20175)	7.67	7.77	7.74	7.65
		1720 (20050)	7.61	7.71	7.68	7.59
	50RB-Middle (25)	1745 (20300)	7.80	7.90	7.87	7.78
		1732.5 (20175)	7.70	7.80	7.77	7.68
		1720 (20050)	7.66	7.76	7.73	7.64
	50RB-Low (0)	1745 (20300)	7.72	7.82	7.79	7.70
		1732.5 (20175)	7.75	7.85	7.82	7.73
		1720 (20050)	7.70	7.80	7.77	7.68
	100RB (0)	1745 (20300)	7.76	7.86	7.83	7.74
		1732.5 (20175)	7.65	7.75	7.72	7.63
		1720 (20050)	7.61	7.71	7.68	7.59

LTE B7-ANT1 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	24.80	23.96	22.86	19.58
		2535 (21100)	24.58	23.96	22.77	19.89
		2502.5 (20775)	24.44	23.67	22.50	19.81
	1RB-Middle (12)	2567.5 (21425)	24.69	23.87	22.87	19.71
		2535 (21100)	24.60	23.97	22.69	19.86
		2502.5 (20775)	24.30	23.41	22.30	19.72
	1RB-Low (0)	2567.5 (21425)	24.76	23.84	22.96	19.94
		2535 (21100)	24.52	23.88	22.64	19.87
		2502.5 (20775)	24.27	23.58	22.44	19.63
	12RB-High (13)	2567.5 (21425)	23.84	22.95	21.98	19.93
		2535 (21100)	23.63	22.63	21.66	19.86
		2502.5 (20775)	23.36	22.41	21.34	19.76
	12RB-Middle (6)	2567.5 (21425)	23.83	22.99	21.87	19.87
		2535 (21100)	23.75	22.75	21.65	19.93
		2502.5 (20775)	23.56	22.55	21.42	19.84
	12RB-Low (0)	2567.5 (21425)	23.76	22.84	21.76	19.88
		2535 (21100)	23.60	22.64	21.55	19.88
		2502.5 (20775)	23.34	22.39	21.37	19.74
	25RB (0)	2567.5 (21425)	23.82	22.92	21.87	19.93
		2535 (21100)	23.66	22.59	21.54	19.93
		2502.5 (20775)	23.29	22.28	21.25	19.88
10MHz	1RB-High (49)	2565 (21400)	24.57	23.94	22.85	19.60
		2535 (21100)	24.73	23.90	22.96	19.91
		2505 (20800)	24.34	23.58	22.60	19.83
	1RB-Middle (24)	2565 (21400)	24.79	23.99	22.96	19.73
		2535 (21100)	24.54	23.81	22.72	19.88
		2505 (20800)	24.23	23.51	22.51	19.74
	1RB-Low (0)	2565 (21400)	24.70	23.83	22.96	19.96
		2535 (21100)	24.54	23.84	22.63	19.89
		2505 (20800)	24.25	23.89	22.46	19.65
	25RB-High (25)	2565 (21400)	23.87	22.98	21.94	19.95
		2535 (21100)	23.52	22.72	21.62	19.88
		2505 (20800)	23.38	22.42	21.35	19.78
	25RB-Middle (12)	2565 (21400)	23.84	22.87	21.86	19.89
		2535 (21100)	23.58	22.62	21.66	19.95
		2505 (20800)	23.40	22.54	21.51	19.86
	25RB-Low (0)	2565 (21400)	23.88	22.93	21.91	19.90
		2535 (21100)	23.61	22.72	21.59	19.90
		2505 (20800)	23.45	22.50	21.40	19.76
	50RB (0)	2565 (21400)	23.88	22.87	21.85	19.95
		2535 (21100)	23.63	22.69	21.57	19.95
		2505 (20800)	23.43	22.46	21.44	19.90

15MHz	1RB-High (74)	2562.5 (21375)	24.45	23.95	22.86	19.62
		2535 (21100)	24.49	23.80	22.72	19.93
		2507.5 (20825)	24.08	23.70	22.58	19.85
	1RB-Middle (37)	2562.5 (21375)	24.49	23.77	22.80	19.75
		2535 (21100)	24.36	23.59	22.69	19.90
		2507.5 (20825)	24.15	23.35	22.40	19.76
	1RB-Low (0)	2562.5 (21375)	24.52	23.81	22.93	19.98
		2535 (21100)	24.23	23.61	22.74	19.91
		2507.5 (20825)	24.11	23.51	22.34	19.67
	36RB-High (38)	2562.5 (21375)	23.53	22.63	21.71	19.97
		2535 (21100)	23.51	22.48	21.52	19.90
		2507.5 (20825)	23.26	22.12	21.12	19.80
	36RB-Middle (19)	2562.5 (21375)	23.73	22.73	21.81	19.91
		2535 (21100)	23.40	22.47	21.48	19.97
		2507.5 (20825)	23.28	22.26	21.26	19.88
	36RB-Low (0)	2562.5 (21375)	23.68	22.71	21.68	19.92
		2535 (21100)	23.51	22.41	21.49	19.92
		2507.5 (20825)	23.26	22.28	21.26	19.78
	75RB (0)	2562.5 (21375)	23.63	22.79	21.78	19.97
		2535 (21100)	23.41	22.48	21.47	19.97
		2507.5 (20825)	23.24	22.25	21.24	19.92
20MHz	1RB-High (99)	2560 (21350)	24.59	23.92	22.50	19.64
		2535 (21100)	24.64	23.95	22.96	19.95
		2510 (20850)	24.58	23.90	22.76	19.87
	1RB-Middle (50)	2560 (21350)	24.54	23.93	22.65	19.77
		2535 (21100)	24.66	23.86	22.81	19.92
		2510 (20850)	24.43	23.70	22.55	19.78
	1RB-Low (0)	2560 (21350)	24.53	23.92	22.87	20.00
		2535 (21100)	24.67	23.88	22.83	19.93
		2510 (20850)	24.28	23.76	22.71	19.69
	50RB-High (50)	2560 (21350)	23.64	22.79	21.78	19.99
		2535 (21100)	23.88	22.79	21.81	19.92
		2510 (20850)	23.63	22.63	21.60	19.82
	50RB-Middle (25)	2560 (21350)	23.86	22.81	21.85	19.93
		2535 (21100)	23.81	22.89	21.88	19.99
		2510 (20850)	23.61	22.60	21.68	19.90
	50RB-Low (0)	2560 (21350)	23.86	22.84	21.83	19.94
		2535 (21100)	23.85	22.84	21.83	19.94
		2510 (20850)	23.55	22.54	21.58	19.80
	100RB (0)	2560 (21350)	23.82	22.80	21.78	19.99
		2535 (21100)	23.83	22.81	21.78	19.99
		2510 (20850)	23.61	22.69	21.72	19.94

LTE B7-ANT1 (Power Level B1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	9.50	9.89	9.70	9.71
		2535 (21100)	9.93	9.91	10.06	9.68
		2502.5 (20775)	9.66	9.82	9.81	9.78
	1RB-Middle (12)	2567.5 (21425)	9.46	9.83	9.56	9.77
		2535 (21100)	9.81	9.86	9.87	9.79
		2502.5 (20775)	9.46	9.86	9.68	9.68
	1RB-Low (0)	2567.5 (21425)	9.53	9.86	9.66	9.76
		2535 (21100)	9.84	9.92	10.06	9.84
		2502.5 (20775)	9.41	9.75	9.59	9.61
	12RB-High (13)	2567.5 (21425)	9.66	9.72	9.71	9.77
		2535 (21100)	9.93	9.92	9.99	9.67
		2502.5 (20775)	9.67	9.69	9.65	9.73
	12RB-Middle (6)	2567.5 (21425)	9.70	9.67	9.67	9.84
		2535 (21100)	9.88	9.97	9.97	9.61
		2502.5 (20775)	9.60	9.70	9.56	9.72
	12RB-Low (0)	2567.5 (21425)	9.62	9.58	9.64	9.83
		2535 (21100)	9.89	9.91	9.87	9.79
		2502.5 (20775)	9.48	9.59	9.43	9.90
	25RB (0)	2567.5 (21425)	9.64	9.61	9.70	9.72
		2535 (21100)	9.91	9.90	9.88	9.74
		2502.5 (20775)	9.52	9.61	9.52	9.61
10MHz	1RB-High (49)	2565 (21400)	9.48	9.86	9.84	9.65
		2535 (21100)	9.77	9.97	9.89	9.62
		2505 (20800)	9.51	9.90	9.86	9.77
	1RB-Middle (24)	2565 (21400)	9.73	9.91	9.77	9.85
		2535 (21100)	9.82	9.91	10.05	9.82
		2505 (20800)	9.52	9.73	9.77	9.69
	1RB-Low (0)	2565 (21400)	9.62	9.88	9.89	9.81
		2535 (21100)	9.86	9.97	9.98	9.67
		2505 (20800)	9.39	9.78	9.45	9.62
	25RB-High (25)	2565 (21400)	9.63	9.71	9.69	9.68
		2535 (21100)	9.94	9.93	10.02	9.67
		2505 (20800)	9.57	9.72	9.61	9.79
	25RB-Middle (12)	2565 (21400)	9.76	9.74	9.63	9.71
		2535 (21100)	9.95	9.92	9.93	9.90
		2505 (20800)	9.68	9.68	9.66	9.85
	25RB-Low (0)	2565 (21400)	9.65	9.71	9.79	9.90
		2535 (21100)	9.89	9.96	9.86	9.87
		2505 (20800)	9.56	9.65	9.54	9.73
	50RB (0)	2565 (21400)	9.72	9.79	9.68	9.75
		2535 (21100)	9.92	9.90	9.93	9.89
		2505 (20800)	9.64	9.74	9.69	9.70

15MHz	1RB-High (74)	2562.5 (21375)	9.55	9.80	9.58	9.70
		2535 (21100)	9.73	9.96	9.99	9.84
		2507.5 (20825)	9.53	9.93	9.78	9.84
	1RB-Middle (37)	2562.5 (21375)	9.43	9.75	9.66	9.79
		2535 (21100)	9.64	9.90	9.93	9.59
		2507.5 (20825)	9.33	9.54	9.51	9.89
	1RB-Low (0)	2562.5 (21375)	9.55	9.85	9.73	9.88
		2535 (21100)	9.67	9.95	9.92	9.72
		2507.5 (20825)	9.27	9.65	9.62	9.72
	36RB-High (38)	2562.5 (21375)	9.56	9.51	9.58	9.89
		2535 (21100)	9.80	9.82	9.88	9.76
		2507.5 (20825)	9.52	9.51	9.58	9.88
	36RB-Middle (19)	2562.5 (21375)	9.60	9.56	9.64	9.90
		2535 (21100)	9.75	9.80	9.79	9.89
		2507.5 (20825)	9.50	9.60	9.65	9.58
	36RB-Low (0)	2562.5 (21375)	9.64	9.61	9.57	9.71
		2535 (21100)	9.85	9.80	9.80	9.59
		2507.5 (20825)	9.52	9.51	9.47	9.87
	75RB (0)	2562.5 (21375)	9.64	9.60	9.63	9.64
		2535 (21100)	9.76	9.74	9.81	9.63
		2507.5 (20825)	9.56	9.60	9.47	9.74
20MHz	1RB-High (99)	2560 (21350)	9.48	9.94	9.76	9.65
		2535 (21100)	9.57	9.97	9.95	9.82
		2510 (20850)	9.63	9.98	9.81	9.85
	1RB-Middle (50)	2560 (21350)	9.39	9.72	9.60	9.63
		2535 (21100)	9.67	9.92	9.73	9.63
		2510 (20850)	9.42	9.79	9.61	9.93
	1RB-Low (0)	2560 (21350)	9.64	9.98	9.70	9.94
		2535 (21100)	9.66	9.96	9.86	9.63
		2510 (20850)	9.27	9.76	9.39	9.77
	50RB-High (50)	2560 (21350)	9.52	9.56	9.54	9.85
		2535 (21100)	9.83	9.83	9.81	9.73
		2510 (20850)	9.67	9.66	9.63	9.79
	50RB-Middle (25)	2560 (21350)	9.69	9.64	9.64	9.79
		2535 (21100)	9.77	9.85	9.76	9.77
		2510 (20850)	9.48	9.49	9.51	9.68
	50RB-Low (0)	2560 (21350)	9.57	9.64	9.73	9.73
		2535 (21100)	9.85	9.85	9.79	9.94
		2510 (20850)	9.49	9.49	9.52	9.68
	100RB (0)	2560 (21350)	9.67	9.63	9.64	9.67
		2535 (21100)	9.69	9.75	9.77	9.72
		2510 (20850)	9.55	9.51	9.49	9.67

LTE B7-ANT1 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	6.36	6.61	6.49	6.36
		2535 (21100)	6.57	6.86	6.82	6.57
		2502.5 (20775)	6.23	6.62	6.62	6.49
	1RB-Middle (12)	2567.5 (21425)	6.28	6.62	6.44	6.42
		2535 (21100)	6.55	7.04	6.72	6.48
		2502.5 (20775)	6.19	6.69	6.26	6.58
	1RB-Low (0)	2567.5 (21425)	6.29	6.51	6.52	6.36
		2535 (21100)	6.57	6.87	6.91	6.45
		2502.5 (20775)	6.29	6.62	6.62	6.34
	12RB-High (13)	2567.5 (21425)	6.42	6.50	6.41	6.51
		2535 (21100)	6.66	6.69	6.58	6.60
		2502.5 (20775)	6.35	6.37	6.26	6.49
	12RB-Middle (6)	2567.5 (21425)	6.38	6.37	6.37	6.39
		2535 (21100)	6.68	6.66	6.62	6.42
		2502.5 (20775)	6.37	6.41	6.32	6.57
	12RB-Low (0)	2567.5 (21425)	6.33	6.33	6.38	6.55
		2535 (21100)	6.64	6.66	6.61	6.40
		2502.5 (20775)	6.22	6.40	6.26	6.52
	25RB (0)	2567.5 (21425)	6.41	6.42	6.40	6.51
		2535 (21100)	6.61	6.59	6.67	6.43
		2502.5 (20775)	6.29	6.32	6.28	6.33
10MHz	1RB-High (49)	2565 (21400)	6.36	6.65	6.42	6.35
		2535 (21100)	6.52	6.99	6.75	6.47
		2505 (20800)	6.40	6.74	6.42	6.60
	1RB-Middle (24)	2565 (21400)	6.28	6.55	6.48	6.57
		2535 (21100)	6.54	6.78	6.77	6.43
		2505 (20800)	6.22	6.43	6.56	6.36
	1RB-Low (0)	2565 (21400)	6.39	6.61	6.50	6.34
		2535 (21100)	6.47	6.94	6.77	6.50
		2505 (20800)	6.13	6.59	6.29	6.43
	25RB-High (25)	2565 (21400)	6.41	6.28	6.37	6.43
		2535 (21100)	6.72	6.70	6.70	6.55
		2505 (20800)	6.39	6.42	6.40	6.43
	25RB-Middle (12)	2565 (21400)	6.54	6.43	6.53	6.39
		2535 (21100)	6.72	6.69	6.60	6.41
		2505 (20800)	6.44	6.46	6.46	6.59
	25RB-Low (0)	2565 (21400)	6.39	6.38	6.37	6.41
		2535 (21100)	6.65	6.62	6.66	6.36
		2505 (20800)	6.31	6.45	6.32	6.38
	50RB (0)	2565 (21400)	6.49	6.39	6.49	6.33
		2535 (21100)	6.67	6.57	6.65	6.41
		2505 (20800)	6.40	6.33	6.40	6.59

15MHz	1RB-High (74)	2562.5 (21375)	6.15	6.61	6.51	6.42
		2535 (21100)	6.41	6.80	6.74	6.45
		2507.5 (20825)	6.32	6.70	6.51	6.57
	1RB-Middle (37)	2562.5 (21375)	6.09	6.46	6.31	6.33
		2535 (21100)	6.36	6.73	6.68	6.43
		2507.5 (20825)	6.09	6.54	6.36	6.43
	1RB-Low (0)	2562.5 (21375)	6.32	6.48	6.57	6.48
		2535 (21100)	6.31	6.77	6.71	6.59
		2507.5 (20825)	5.99	6.31	6.28	6.36
	36RB-High (38)	2562.5 (21375)	6.25	6.28	6.28	6.58
		2535 (21100)	6.58	6.53	6.65	6.43
		2507.5 (20825)	6.35	6.24	6.38	6.60
	36RB-Middle (19)	2562.5 (21375)	6.40	6.23	6.47	6.33
		2535 (21100)	6.50	6.47	6.57	6.43
		2507.5 (20825)	6.36	6.25	6.30	6.47
	36RB-Low (0)	2562.5 (21375)	6.32	6.25	6.38	6.59
		2535 (21100)	6.59	6.55	6.57	6.55
		2507.5 (20825)	6.16	6.26	6.23	6.57
	75RB (0)	2562.5 (21375)	6.32	6.38	6.47	6.41
		2535 (21100)	6.44	6.50	6.48	6.59
		2507.5 (20825)	6.35	6.25	6.28	6.33
20MHz	1RB-High (99)	2560 (21350)	6.34	6.69	6.52	6.55
		2535 (21100)	6.48	6.79	6.65	6.67
		2510 (20850)	6.42	6.76	6.67	6.44
	1RB-Middle (50)	2560 (21350)	6.18	6.63	6.29	6.58
		2535 (21100)	6.46	6.71	6.64	6.49
		2510 (20850)	6.23	6.44	6.33	6.50
	1RB-Low (0)	2560 (21350)	6.43	6.73	6.63	6.58
		2535 (21100)	6.50	6.72	6.56	6.60
		2510 (20850)	6.10	6.45	6.20	6.56
	50RB-High (50)	2560 (21350)	6.36	6.39	6.36	6.51
		2535 (21100)	6.57	6.63	6.61	6.50
		2510 (20850)	6.36	6.36	6.34	6.34
	50RB-Middle (25)	2560 (21350)	6.45	6.49	6.47	6.65
		2535 (21100)	6.52	6.66	6.58	6.39
		2510 (20850)	6.31	6.31	6.29	6.34
	50RB-Low (0)	2560 (21350)	6.44	6.48	6.53	6.36
		2535 (21100)	6.57	6.54	6.54	6.52
		2510 (20850)	6.28	6.27	6.26	6.43
	100RB (0)	2560 (21350)	6.44	6.47	6.46	6.35
		2535 (21100)	6.51	6.67	6.54	6.37
		2510 (20850)	6.23	6.23	6.37	6.35

LTE B7-ANT4 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	24.64	24.03	23.24	19.81
		2535 (21100)	24.42	23.82	22.98	19.75
		2502.5 (20775)	24.28	23.53	22.71	19.66
	1RB-Middle (12)	2567.5 (21425)	24.53	23.73	23.08	19.63
		2535 (21100)	24.44	23.83	22.90	19.68
		2502.5 (20775)	24.14	23.27	22.51	19.75
	1RB-Low (0)	2567.5 (21425)	24.60	23.96	23.17	19.61
		2535 (21100)	24.36	23.74	22.85	19.78
		2502.5 (20775)	24.11	23.44	22.65	19.61
	12RB-High (13)	2567.5 (21425)	23.68	22.82	22.18	19.63
		2535 (21100)	23.48	22.50	21.86	19.73
		2502.5 (20775)	23.21	22.28	21.54	19.85
	12RB-Middle (6)	2567.5 (21425)	23.67	22.86	22.07	19.78
		2535 (21100)	23.60	22.62	21.85	19.61
		2502.5 (20775)	23.41	22.42	21.62	19.83
	12RB-Low (0)	2567.5 (21425)	23.61	22.71	21.96	19.76
		2535 (21100)	23.45	22.51	21.75	19.68
		2502.5 (20775)	23.19	22.26	21.57	19.90
	25RB (0)	2567.5 (21425)	23.67	22.79	22.07	19.83
		2535 (21100)	23.51	22.46	21.74	19.87
		2502.5 (20775)	23.14	22.15	21.45	19.61
10MHz	1RB-High (49)	2565 (21400)	24.41	24.17	23.32	19.69
		2535 (21100)	24.57	24.09	23.17	19.63
		2505 (20800)	24.18	23.44	22.81	19.63
	1RB-Middle (24)	2565 (21400)	24.63	23.85	23.17	19.80
		2535 (21100)	24.38	23.67	22.93	19.74
		2505 (20800)	24.07	23.37	22.72	19.77
	1RB-Low (0)	2565 (21400)	24.54	24.16	23.25	19.72
		2535 (21100)	24.38	23.89	22.84	19.73
		2505 (20800)	24.09	23.75	22.67	19.63
	25RB-High (25)	2565 (21400)	23.71	22.85	22.14	19.75
		2535 (21100)	23.37	22.59	21.82	19.73
		2505 (20800)	23.23	22.29	21.55	19.68
	25RB-Middle (12)	2565 (21400)	23.68	22.74	22.06	19.81
		2535 (21100)	23.43	22.49	21.86	19.90
		2505 (20800)	23.25	22.41	21.71	19.80
	25RB-Low (0)	2565 (21400)	23.72	22.80	22.11	19.90
		2535 (21100)	23.46	22.59	21.79	19.84
		2505 (20800)	23.30	22.37	21.60	19.85
	50RB (0)	2565 (21400)	23.72	22.74	22.05	19.89
		2535 (21100)	23.48	22.56	21.77	19.88
		2505 (20800)	23.28	22.33	21.64	19.79

15MHz	1RB-High (74)	2562.5 (21375)	24.29	23.81	23.24	19.79
		2535 (21100)	24.33	23.66	22.93	19.78
		2507.5 (20825)	23.92	23.56	22.79	19.78
	1RB-Middle (37)	2562.5 (21375)	24.33	23.63	23.01	19.68
		2535 (21100)	24.20	23.45	22.90	19.57
		2507.5 (20825)	23.99	23.21	22.61	19.88
	1RB-Low (0)	2562.5 (21375)	24.36	23.67	23.14	19.86
		2535 (21100)	24.07	23.47	22.95	19.83
		2507.5 (20825)	23.95	23.37	22.55	19.83
	36RB-High (38)	2562.5 (21375)	23.38	22.50	21.91	19.88
		2535 (21100)	23.36	22.35	21.72	19.61
		2507.5 (20825)	23.11	21.99	21.32	19.86
	36RB-Middle (19)	2562.5 (21375)	23.58	22.60	22.01	19.90
		2535 (21100)	23.25	22.34	21.68	19.88
		2507.5 (20825)	23.13	22.13	21.46	19.55
	36RB-Low (0)	2562.5 (21375)	23.53	22.58	21.88	19.81
		2535 (21100)	23.36	22.28	21.69	19.57
		2507.5 (20825)	23.11	22.15	21.46	19.84
	75RB (0)	2562.5 (21375)	23.48	22.66	21.98	19.67
		2535 (21100)	23.26	22.35	21.67	19.65
		2507.5 (20825)	23.09	22.12	21.44	19.87
20MHz	1RB-High (99)	2560 (21350)	24.43	23.93	22.86	19.69
		2535 (21100)	24.64	24.03	22.95	19.77
		2510 (20850)	24.63	24.13	23.05	19.85
	1RB-Middle (50)	2560 (21350)	24.39	23.89	22.82	19.66
		2535 (21100)	24.32	23.82	22.76	19.60
		2510 (20850)	24.44	23.94	22.87	19.70
	1RB-Low (0)	2560 (21350)	24.41	23.91	22.84	19.67
		2535 (21100)	24.39	23.89	22.82	19.66
		2510 (20850)	24.31	23.81	22.75	19.59
	50RB-High (50)	2560 (21350)	23.57	22.87	21.90	19.70
		2535 (21100)	23.61	22.91	21.94	19.73
		2510 (20850)	23.64	22.94	21.97	19.76
	50RB-Middle (25)	2560 (21350)	23.64	23.01	22.03	19.82
		2535 (21100)	23.68	22.86	21.89	19.69
		2510 (20850)	23.67	22.97	21.99	19.78
	50RB-Low (0)	2560 (21350)	23.64	22.94	21.97	19.76
		2535 (21100)	23.63	22.93	21.96	19.75
		2510 (20850)	23.57	22.87	21.90	19.70
	100RB (0)	2560 (21350)	23.68	22.98	22.00	19.79
		2535 (21100)	23.60	22.90	21.93	19.73
		2510 (20850)	23.72	23.02	22.04	19.83

LTE B7-ANT4 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2567.5 (21425)	7.96	7.85	7.53	7.58
		2535 (21100)	8.22	8.15	7.91	7.83
		2502.5 (20775)	7.79	7.87	7.68	7.74
	1RB-Middle (12)	2567.5 (21425)	7.85	7.87	7.47	7.65
		2535 (21100)	8.19	8.37	7.79	7.73
		2502.5 (20775)	7.74	7.95	7.26	7.85
	1RB-Low (0)	2567.5 (21425)	7.87	7.74	7.56	7.58
		2535 (21100)	8.22	8.16	8.01	7.69
		2502.5 (20775)	7.87	7.87	7.68	7.56
	12RB-High (13)	2567.5 (21425)	8.03	7.72	7.43	7.76
		2535 (21100)	8.33	7.95	7.63	7.87
		2502.5 (20775)	7.94	7.57	7.26	7.74
	12RB-Middle (6)	2567.5 (21425)	7.98	7.57	7.39	7.62
		2535 (21100)	8.36	7.91	7.68	7.65
		2502.5 (20775)	7.97	7.62	7.33	7.83
	12RB-Low (0)	2567.5 (21425)	7.92	7.52	7.40	7.81
		2535 (21100)	8.31	7.91	7.66	7.63
		2502.5 (20775)	7.78	7.61	7.26	7.77
	25RB (0)	2567.5 (21425)	8.02	7.63	7.42	7.76
		2535 (21100)	8.27	7.83	7.73	7.67
		2502.5 (20775)	7.87	7.51	7.28	7.55
10MHz	1RB-High (49)	2565 (21400)	7.96	7.90	7.44	7.57
		2535 (21100)	8.16	8.31	7.83	7.71
		2505 (20800)	8.01	8.01	7.44	7.87
	1RB-Middle (24)	2565 (21400)	7.85	7.78	7.51	7.83
		2535 (21100)	8.18	8.06	7.85	7.67
		2505 (20800)	7.78	7.64	7.61	7.58
	1RB-Low (0)	2565 (21400)	7.99	7.85	7.54	7.56
		2535 (21100)	8.09	8.25	7.85	7.75
		2505 (20800)	7.67	7.83	7.29	7.67
	25RB-High (25)	2565 (21400)	8.02	7.46	7.39	7.67
		2535 (21100)	8.41	7.96	7.77	7.81
		2505 (20800)	7.99	7.63	7.42	7.67
	25RB-Middle (12)	2565 (21400)	8.18	7.64	7.57	7.62
		2535 (21100)	8.41	7.95	7.65	7.64
		2505 (20800)	8.06	7.68	7.49	7.86
	25RB-Low (0)	2565 (21400)	7.99	7.58	7.39	7.64
		2535 (21100)	8.32	7.87	7.72	7.58
		2505 (20800)	7.89	7.66	7.33	7.61
	50RB (0)	2565 (21400)	8.12	7.59	7.53	7.55
		2535 (21100)	8.34	7.81	7.71	7.64
		2505 (20800)	8.01	7.52	7.42	7.86

15MHz	1RB-High (74)	2562.5 (21375)	7.69	7.85	7.55	7.65
		2535 (21100)	8.02	8.08	7.82	7.69
		2507.5 (20825)	7.90	7.96	7.55	7.83
	1RB-Middle (37)	2562.5 (21375)	7.62	7.68	7.32	7.55
		2535 (21100)	7.96	8.00	7.75	7.67
		2507.5 (20825)	7.62	7.77	7.37	7.67
	1RB-Low (0)	2562.5 (21375)	7.90	7.70	7.62	7.73
		2535 (21100)	7.89	8.05	7.78	7.86
		2507.5 (20825)	7.49	7.50	7.28	7.58
	36RB-High (38)	2562.5 (21375)	7.82	7.46	7.28	7.85
		2535 (21100)	8.23	7.76	7.71	7.67
		2507.5 (20825)	7.94	7.42	7.40	7.87
	36RB-Middle (19)	2562.5 (21375)	8.01	7.40	7.50	7.55
		2535 (21100)	8.13	7.69	7.62	7.67
		2507.5 (20825)	7.96	7.43	7.30	7.71
	36RB-Low (0)	2562.5 (21375)	7.90	7.43	7.40	7.86
		2535 (21100)	8.24	7.78	7.62	7.81
		2507.5 (20825)	7.70	7.44	7.22	7.83
	75RB (0)	2562.5 (21375)	7.90	7.58	7.50	7.64
		2535 (21100)	8.06	7.72	7.51	7.86
		2507.5 (20825)	7.94	7.43	7.28	7.55
20MHz	1RB-High (99)	2560 (21350)	7.93	7.95	7.56	8.11
		2535 (21100)	8.01	8.03	7.64	8.19
		2510 (20850)	7.96	7.98	7.59	8.14
	1RB-Middle (50)	2560 (21350)	7.80	7.82	7.44	7.98
		2535 (21100)	7.83	7.85	7.46	8.01
		2510 (20850)	7.74	7.76	7.38	7.92
	1RB-Low (0)	2560 (21350)	7.83	7.85	7.46	8.01
		2535 (21100)	8.02	7.88	7.49	8.04
		2510 (20850)	7.78	7.80	7.42	7.96
	50RB-High (50)	2560 (21350)	7.92	7.94	7.86	8.10
		2535 (21100)	7.91	7.93	7.85	8.09
		2510 (20850)	7.89	7.91	7.83	8.07
	50RB-Middle (25)	2560 (21350)	7.93	7.95	7.87	8.11
		2535 (21100)	7.88	7.90	7.82	8.06
		2510 (20850)	7.85	7.87	7.79	8.03
	50RB-Low (0)	2560 (21350)	7.93	7.95	7.87	8.11
		2535 (21100)	7.91	7.93	7.85	8.09
		2510 (20850)	7.84	7.86	7.78	8.02
	100RB (0)	2560 (21350)	7.97	7.99	7.91	8.15
		2535 (21100)	7.90	7.92	7.84	8.08
		2510 (20850)	7.80	7.82	7.74	7.98

LTE B12-ANT0 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	715.3 (23173)	24.57	23.47	22.17	19.10
		707.5 (23095)	24.27	23.52	22.37	18.83
		699.7 (23017)	24.28	23.74	22.57	18.93
	1RB-Middle (3)	715.3 (23173)	24.45	23.72	22.28	18.76
		707.5 (23095)	24.43	23.65	22.71	18.81
		699.7 (23017)	24.34	23.69	22.64	18.95
	1RB-Low (0)	715.3 (23173)	24.44	23.61	22.30	19.05
		707.5 (23095)	24.17	23.44	22.61	18.96
		699.7 (23017)	24.36	23.78	22.58	18.99
	3RB-High (3)	715.3 (23173)	24.18	23.28	22.36	18.85
		707.5 (23095)	24.31	23.56	22.51	18.89
		699.7 (23017)	24.44	23.35	22.51	18.96
	3RB-Middle (1)	715.3 (23173)	24.37	23.38	22.45	18.84
		707.5 (23095)	24.49	23.41	22.51	18.89
		699.7 (23017)	24.55	23.35	22.47	18.98
	3RB-Low (0)	715.3 (23173)	24.38	23.31	22.43	18.93
		707.5 (23095)	24.39	23.41	22.51	18.85
		699.7 (23017)	24.43	23.42	22.52	18.85
	6RB (0)	715.3 (23173)	23.32	22.63	21.28	18.89
		707.5 (23095)	23.32	22.47	21.33	18.94
		699.7 (23017)	23.44	22.50	21.42	18.87
3MHz	1RB-High (14)	714.5 (23165)	24.11	23.41	22.29	19.08
		707.5 (23095)	24.32	23.85	22.47	18.81
		700.5 (23025)	24.32	23.77	22.54	18.91
	1RB-Middle (7)	714.5 (23165)	24.43	23.17	22.52	18.74
		707.5 (23095)	24.46	23.31	22.57	18.79
		700.5 (23025)	24.35	23.83	22.37	18.93
	1RB-Low (0)	714.5 (23165)	24.19	23.72	22.44	19.03
		707.5 (23095)	24.41	23.78	22.53	18.94
		700.5 (23025)	24.47	23.98	22.61	18.97
	8RB-High (7)	714.5 (23165)	23.39	22.40	21.49	18.83
		707.5 (23095)	23.48	22.46	21.52	18.87
		700.5 (23025)	23.41	22.56	21.53	18.94
	8RB-Middle (4)	714.5 (23165)	23.37	22.52	21.46	18.82
		707.5 (23095)	23.52	22.59	21.58	18.87
		700.5 (23025)	23.54	22.68	21.42	18.96
	8RB-Low (0)	714.5 (23165)	23.39	22.39	21.44	18.91
		707.5 (23095)	23.40	22.55	21.55	18.83
		700.5 (23025)	23.53	22.59	21.61	18.83
	15RB (0)	714.5 (23165)	23.34	22.40	21.39	18.87
		707.5 (23095)	23.49	22.55	21.53	18.92
		700.5 (23025)	23.61	22.62	21.55	18.85

5MHz	1RB-High (24)	713.5 (23155)	24.10	23.57	22.11	19.06
		707.5 (23095)	24.33	23.75	22.47	18.79
		701.5 (23035)	24.32	23.72	22.54	18.89
	1RB-Middle (12)	713.5 (23155)	24.52	23.82	22.38	18.72
		707.5 (23095)	24.53	23.80	22.46	18.77
		701.5 (23035)	24.34	23.49	22.50	18.91
	1RB-Low (0)	713.5 (23155)	24.44	23.76	22.49	19.01
		707.5 (23095)	24.30	23.81	22.54	18.92
		701.5 (23035)	24.43	23.70	22.57	18.95
	12RB-High (13)	713.5 (23155)	23.36	22.35	21.35	18.81
		707.5 (23095)	23.43	22.51	21.57	18.85
		701.5 (23035)	23.44	22.54	21.55	18.92
	12RB-Middle (6)	713.5 (23155)	23.51	22.62	21.51	18.80
		707.5 (23095)	23.50	22.58	21.47	18.85
		701.5 (23035)	23.57	22.60	21.50	18.94
	12RB-Low (0)	713.5 (23155)	23.39	22.40	21.56	18.89
		707.5 (23095)	23.57	22.43	21.57	18.81
		701.5 (23035)	23.57	22.57	21.47	18.81
	25RB (0)	713.5 (23155)	23.35	22.41	21.33	18.85
		707.5 (23095)	23.47	22.55	21.49	18.90
		701.5 (23035)	23.54	22.49	21.48	18.83
10MHz	1RB-High (49)	711 (23130)	23.94	23.46	22.55	19.10
		707.5 (23095)	24.02	23.24	22.24	18.83
		704 (23060)	24.15	23.59	22.35	18.93
	1RB-Middle (24)	711 (23130)	24.10	23.26	22.15	18.76
		707.5 (23095)	24.20	23.29	22.21	18.81
		704 (23060)	24.22	23.51	22.38	18.95
	1RB-Low (0)	711 (23130)	24.06	23.86	22.50	19.05
		707.5 (23095)	24.27	23.62	22.39	18.96
		704 (23060)	24.17	23.74	22.43	18.99
	25RB-High (25)	711 (23130)	23.14	22.26	21.16	18.85
		707.5 (23095)	23.12	22.24	21.20	18.89
		704 (23060)	23.18	22.25	21.28	18.96
	25RB-Middle (12)	711 (23130)	23.10	22.21	21.15	18.84
		707.5 (23095)	23.14	22.19	21.21	18.89
		704 (23060)	23.21	22.21	21.31	18.98
	25RB-Low (0)	711 (23130)	23.15	22.22	21.25	18.93
		707.5 (23095)	23.28	22.25	21.16	18.85
		704 (23060)	23.19	22.27	21.16	18.85
	50RB (0)	711 (23130)	23.21	22.12	21.21	18.89
		707.5 (23095)	23.16	22.25	21.26	18.94
		704 (23060)	23.25	22.25	21.18	18.87

LTE B12-ANT0 (Power Level B1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	715.3 (23173)	17.74	17.99	18.11	17.68
		707.5 (23095)	17.76	18.12	18.03	17.69
		699.7 (23017)	17.74	18.16	18.12	17.93
	1RB-Middle (3)	715.3 (23173)	17.89	18.08	18.01	17.91
		707.5 (23095)	17.93	18.09	18.22	17.89
		699.7 (23017)	18.10	18.18	18.35	17.94
	1RB-Low (0)	715.3 (23173)	17.77	18.02	18.19	17.69
		707.5 (23095)	17.76	18.08	18.25	17.88
		699.7 (23017)	17.94	18.11	18.10	17.89
	3RB-High (3)	715.3 (23173)	17.70	17.78	17.82	17.91
		707.5 (23095)	17.88	17.93	17.95	17.65
		699.7 (23017)	17.90	17.86	17.91	17.89
	3RB-Middle (1)	715.3 (23173)	17.81	18.10	17.95	17.65
		707.5 (23095)	17.85	18.14	17.97	17.68
		699.7 (23017)	17.92	17.71	17.94	17.78
	3RB-Low (0)	715.3 (23173)	17.85	17.85	17.91	17.92
		707.5 (23095)	17.85	17.99	17.90	17.75
		699.7 (23017)	17.86	18.01	18.01	18.00
	6RB (0)	715.3 (23173)	17.79	17.92	17.73	17.91
		707.5 (23095)	17.87	17.94	17.75	17.90
		699.7 (23017)	17.92	17.90	17.82	17.84
3MHz	1RB-High (14)	714.5 (23165)	17.89	18.13	17.94	17.94
		707.5 (23095)	17.80	18.16	18.02	17.83
		700.5 (23025)	17.87	18.24	18.17	17.81
	1RB-Middle (7)	714.5 (23165)	17.85	18.09	17.66	17.91
		707.5 (23095)	17.78	18.38	17.94	17.88
		700.5 (23025)	17.86	18.37	17.93	17.89
	1RB-Low (0)	714.5 (23165)	17.99	18.28	18.07	17.89
		707.5 (23095)	17.92	18.28	18.13	17.87
		700.5 (23025)	18.06	18.35	18.15	17.74
	8RB-High (7)	714.5 (23165)	17.87	17.97	17.93	17.87
		707.5 (23095)	17.90	18.00	18.01	17.96
		700.5 (23025)	17.97	17.98	18.03	17.99
	8RB-Middle (4)	714.5 (23165)	17.95	18.06	17.93	17.70
		707.5 (23095)	18.02	17.98	17.90	17.75
		700.5 (23025)	18.08	18.03	17.96	17.94
	8RB-Low (0)	714.5 (23165)	17.84	17.92	17.86	17.85
		707.5 (23095)	17.84	17.98	17.96	17.69
		700.5 (23025)	18.04	18.06	18.17	17.93
	15RB (0)	714.5 (23165)	17.85	17.85	17.79	17.84
		707.5 (23095)	17.89	17.96	17.81	17.77
		700.5 (23025)	18.05	18.04	18.02	17.87

5MHz	1RB-High (24)	713.5 (23155)	17.81	18.15	17.99	17.70
		707.5 (23095)	17.87	18.17	18.02	17.77
		701.5 (23035)	17.86	18.14	18.31	17.76
	1RB-Middle (12)	713.5 (23155)	17.84	18.23	18.02	17.73
		707.5 (23095)	17.87	18.18	18.52	17.82
		701.5 (23035)	17.83	18.30	17.82	17.89
	1RB-Low (0)	713.5 (23155)	17.90	18.20	18.14	17.94
		707.5 (23095)	17.82	18.29	18.19	17.73
		701.5 (23035)	18.03	18.32	18.17	17.79
	12RB-High (13)	713.5 (23155)	17.87	17.96	17.79	17.93
		707.5 (23095)	17.96	18.01	17.96	17.73
		701.5 (23035)	17.99	17.95	17.97	17.97
	12RB-Middle (6)	713.5 (23155)	17.98	17.97	17.85	17.75
		707.5 (23095)	18.01	17.94	17.98	17.80
		701.5 (23035)	18.07	18.11	17.95	17.88
	12RB-Low (0)	713.5 (23155)	17.96	17.98	17.92	17.77
		707.5 (23095)	17.86	17.78	17.92	17.80
		701.5 (23035)	18.06	18.10	18.06	17.82
	25RB (0)	713.5 (23155)	17.84	17.85	17.85	17.99
		707.5 (23095)	17.92	17.84	17.90	17.66
		701.5 (23035)	17.98	18.01	17.91	17.75
10MHz	1RB-High (49)	711 (23130)	17.73	18.12	18.10	17.81
		707.5 (23095)	17.85	18.26	18.05	17.96
		704 (23060)	17.83	18.16	18.10	17.82
	1RB-Middle (24)	711 (23130)	17.92	18.03	18.12	17.99
		707.5 (23095)	17.89	18.17	18.21	17.81
		704 (23060)	17.92	18.03	18.21	18.19
	1RB-Low (0)	711 (23130)	17.95	18.36	18.13	17.76
		707.5 (23095)	17.96	18.38	18.09	17.81
		704 (23060)	18.00	18.40	18.18	17.95
	25RB-High (25)	711 (23130)	17.97	18.03	18.01	17.95
		707.5 (23095)	18.06	17.97	18.05	17.62
		704 (23060)	18.09	17.91	18.09	17.90
	25RB-Middle (12)	711 (23130)	18.01	17.94	18.02	18.21
		707.5 (23095)	18.00	18.00	18.07	17.61
		704 (23060)	18.09	18.12	18.11	18.18
	25RB-Low (0)	711 (23130)	17.96	18.07	18.03	17.84
		707.5 (23095)	17.99	18.10	18.08	17.80
		704 (23060)	18.05	18.07	18.08	17.70
	50RB (0)	711 (23130)	17.92	18.01	17.87	17.72
		707.5 (23095)	17.89	17.99	17.87	17.62
		704 (23060)	18.05	18.08	17.96	17.64

LTE B13-ANT0 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	784.5 (23255)	23.42	22.80	21.80	18.13
		782 (23230)	23.53	22.77	21.61	18.09
		779.5 (23205)	23.31	22.98	21.67	18.16
	1RB-Middle (12)	784.5 (23255)	23.40	23.09	21.63	18.08
		782 (23230)	23.59	22.79	22.13	18.11
		779.5 (23205)	23.47	22.90	21.69	18.16
	1RB-Low (0)	784.5 (23255)	23.38	22.81	21.58	18.10
		782 (23230)	23.63	23.01	21.68	18.16
		779.5 (23205)	23.45	22.99	21.55	18.11
	12RB-High (13)	784.5 (23255)	22.51	21.58	20.55	18.07
		782 (23230)	22.59	21.58	20.59	18.14
		779.5 (23205)	22.56	21.37	20.66	18.06
	12RB-Middle (6)	784.5 (23255)	22.54	21.62	20.63	18.09
		782 (23230)	22.43	21.62	20.60	18.14
		779.5 (23205)	22.63	21.67	20.59	18.08
	12RB-Low (0)	784.5 (23255)	22.41	21.51	20.63	18.14
		782 (23230)	22.48	21.56	20.55	18.10
		779.5 (23205)	22.58	21.64	20.64	18.16
	25RB (0)	784.5 (23255)	22.49	21.43	20.44	18.17
		782 (23230)	22.48	21.48	20.51	18.13
		779.5 (23205)	22.61	21.61	20.63	18.09
10MHz	1RB-High (49)	782 (23230)	23.09	22.39	21.35	18.15
	1RB-Middle (24)	782 (23230)	23.19	22.50	21.36	18.11
	1RB-Low (0)	782 (23230)	23.21	22.65	21.68	18.18
	25RB-High (25)	782 (23230)	22.22	21.32	20.26	18.10
	25RB-Middle (12)	782 (23230)	22.17	21.36	20.29	18.13
	25RB-Low (0)	782 (23230)	22.26	21.34	20.35	18.18
	50RB (0)	782 (23230)	22.16	21.34	20.28	18.12

LTE B13-ANT0 (Power Level B1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	784.5 (23255)	18.36	18.76	18.61	18.53
		782 (23230)	18.40	18.77	18.82	18.80
		779.5 (23205)	18.26	18.81	18.67	18.50
	1RB-Middle (12)	784.5 (23255)	18.47	18.90	18.96	18.51
		782 (23230)	18.39	18.89	18.56	18.71
		779.5 (23205)	18.35	18.90	18.84	18.47
	1RB-Low (0)	784.5 (23255)	18.52	18.91	18.69	18.67
		782 (23230)	18.36	18.75	18.81	18.61
		779.5 (23205)	18.49	18.82	18.67	18.66
	12RB-High (13)	784.5 (23255)	18.43	18.48	18.54	18.82
		782 (23230)	18.48	18.59	18.45	18.90
		779.5 (23205)	18.37	18.54	18.49	18.70
	12RB-Middle (6)	784.5 (23255)	18.48	18.47	18.47	18.78
		782 (23230)	18.51	18.45	18.45	18.81
		779.5 (23205)	18.47	18.55	18.42	18.87
	12RB-Low (0)	784.5 (23255)	18.46	18.44	18.51	18.57
		782 (23230)	18.47	18.42	18.47	18.88
		779.5 (23205)	18.43	18.36	18.49	18.88
	25RB (0)	784.5 (23255)	18.35	18.46	18.43	18.46
		782 (23230)	18.44	18.39	18.49	18.69
		779.5 (23205)	18.54	18.51	18.40	18.76
10MHz	1RB-High (49)	782 (23230)	18.32	18.74	18.46	18.41
	1RB-Middle (24)	782 (23230)	18.42	18.80	18.63	18.36
	1RB-Low (0)	782 (23230)	18.43	18.96	18.57	18.29
	25RB-High (25)	782 (23230)	18.52	18.52	18.44	18.49
	25RB-Middle (12)	782 (23230)	18.53	18.50	18.50	18.38
	25RB-Low (0)	782 (23230)	18.43	18.50	18.56	18.74
	50RB (0)	782 (23230)	18.52	18.51	18.47	18.53

LTE B26-ANT0 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	848.3 (27033)	23.58	22.59	21.79	18.11
		831.5 (26865)	23.40	22.64	21.99	18.15
		814.7 (26697)	23.41	22.85	22.18	18.12
	1RB-Middle (3)	848.3 (27033)	23.57	22.83	21.90	18.23
		831.5 (26865)	23.55	22.77	22.32	18.21
		814.7 (26697)	23.46	22.81	22.25	18.19
	1RB-Low (0)	848.3 (27033)	23.56	22.73	21.92	18.33
		831.5 (26865)	23.55	22.56	22.22	18.10
		814.7 (26697)	23.48	22.89	22.19	18.32
	3RB-High (3)	848.3 (27033)	23.56	22.41	21.98	18.14
		831.5 (26865)	23.44	22.68	22.12	18.07
		814.7 (26697)	23.56	22.48	22.12	18.08
	3RB-Middle (1)	848.3 (27033)	23.49	22.51	22.06	18.08
		831.5 (26865)	23.61	22.54	22.12	18.06
		814.7 (26697)	23.57	22.48	22.08	18.12
	3RB-Low (0)	848.3 (27033)	23.17	22.44	22.04	18.05
		831.5 (26865)	23.51	22.54	22.12	18.10
		814.7 (26697)	23.55	22.55	22.13	18.13
	6RB (0)	848.3 (27033)	22.82	21.79	20.91	18.03
		831.5 (26865)	22.82	21.63	20.96	18.05
		814.7 (26697)	22.93	21.66	21.05	18.04
3MHz	1RB-High (14)	847.5 (27025)	23.59	22.54	21.91	18.16
		831.5 (26865)	23.45	22.96	22.08	18.17
		815.5 (26705)	23.45	22.88	22.15	18.14
	1RB-Middle (7)	847.5 (27025)	23.55	22.30	22.13	18.25
		831.5 (26865)	23.58	22.44	22.18	18.23
		815.5 (26705)	23.47	22.94	21.99	18.21
	1RB-Low (0)	847.5 (27025)	23.57	22.83	22.05	18.35
		831.5 (26865)	23.53	22.89	22.14	18.12
		815.5 (26705)	23.59	23.08	22.22	18.34
	8RB-High (7)	847.5 (27025)	22.89	21.56	21.12	18.16
		831.5 (26865)	22.97	21.62	21.15	18.09
		815.5 (26705)	22.90	21.72	21.16	18.10
	8RB-Middle (4)	847.5 (27025)	22.87	21.68	21.09	18.10
		831.5 (26865)	23.01	21.75	21.21	18.08
		815.5 (26705)	23.03	21.83	21.05	18.14
	8RB-Low (0)	847.5 (27025)	22.89	21.55	21.07	18.07
		831.5 (26865)	22.90	21.71	21.18	18.12
		815.5 (26705)	23.02	21.75	21.24	18.15
	15RB (0)	847.5 (27025)	22.84	21.56	21.02	18.05
		831.5 (26865)	22.98	21.71	21.16	18.07
		815.5 (26705)	23.10	21.78	21.18	18.06

5MHz	1RB-High (24)	846.5 (27015)	23.58	22.69	21.73	18.21
		831.5 (26865)	23.54	22.85	21.81	18.19
		816.5 (26715)	23.51	22.84	21.59	18.16
	1RB-Middle (12)	846.5 (27015)	23.43	23.19	21.51	18.27
		831.5 (26865)	23.40	22.86	21.60	18.25
		816.5 (26715)	23.61	23.09	21.71	18.23
	1RB-Low (0)	846.5 (27015)	23.50	22.94	21.73	18.37
		831.5 (26865)	23.46	22.90	21.54	18.14
		816.5 (26715)	23.53	23.00	21.66	18.36
	12RB-High (13)	846.5 (27015)	22.54	21.51	20.75	18.18
		831.5 (26865)	22.55	21.45	20.61	18.11
		816.5 (26715)	22.66	21.78	20.82	18.12
	12RB-Middle (6)	846.5 (27015)	22.60	21.65	20.54	18.12
		831.5 (26865)	22.48	21.62	20.64	18.10
		816.5 (26715)	22.76	21.77	20.78	18.16
	12RB-Low (0)	846.5 (27015)	22.57	21.63	20.64	18.09
		831.5 (26865)	22.52	21.57	20.49	18.14
		816.5 (26715)	22.71	21.76	20.77	18.17
	25RB (0)	846.5 (27015)	22.52	21.64	20.68	18.07
		831.5 (26865)	22.50	21.53	20.56	18.00
		816.5 (26715)	22.61	21.71	20.64	18.08
10MHz	1RB-High (49)	844 (26990)	23.31	22.81	21.95	18.20
		831.5 (26865)	23.45	22.90	21.84	18.21
		820 (26750)	23.41	22.95	21.96	18.18
	1RB-Middle (24)	844 (26990)	23.53	22.87	21.75	18.29
		831.5 (26865)	23.44	22.66	21.64	18.27
		820 (26750)	23.46	22.77	21.65	18.25
	1RB-Low (0)	844 (26990)	23.57	23.20	21.89	18.39
		831.5 (26865)	23.54	23.00	21.80	18.16
		820 (26750)	23.51	23.31	21.90	18.38
	25RB-High (25)	844 (26990)	22.49	21.74	20.62	18.20
		831.5 (26865)	22.56	21.66	20.61	18.13
		820 (26750)	22.58	21.69	20.68	18.14
	25RB-Middle (12)	844 (26990)	22.60	21.64	20.69	18.14
		831.5 (26865)	22.49	21.55	20.68	18.12
		820 (26750)	22.62	21.76	20.79	18.18
	25RB-Low (0)	844 (26990)	22.59	21.62	20.52	18.11
		831.5 (26865)	22.53	21.69	20.54	18.16
		820 (26750)	22.58	21.68	20.73	18.19
	50RB (0)	844 (26990)	22.56	21.60	20.70	18.09
		831.5 (26865)	22.54	21.59	20.54	18.01
		820 (26750)	22.66	21.74	20.76	18.10

15MHz	1RB-High (74)	841.5 (26965)	23.00	22.30	21.26	18.21
		831.5 (26865)	23.08	22.49	21.26	18.23
		822.5 (26775)	23.01	22.58	21.22	18.20
	1RB-Middle (37)	841.5 (26965)	23.05	22.35	21.35	18.31
		831.5 (26865)	23.12	22.37	21.33	18.29
		822.5 (26775)	23.05	22.72	21.31	18.27
	1RB-Low (0)	841.5 (26965)	23.11	22.33	21.47	18.41
		831.5 (26865)	23.15	22.71	21.20	18.18
		822.5 (26775)	23.08	22.74	21.46	18.40
	36RB-High (38)	841.5 (26965)	22.21	21.13	20.26	18.22
		831.5 (26865)	22.17	21.10	20.18	18.15
		822.5 (26775)	22.16	21.16	20.19	18.16
	36RB-Middle (19)	841.5 (26965)	22.16	21.12	20.19	18.16
		831.5 (26865)	22.08	21.05	20.17	18.14
		822.5 (26775)	22.14	21.14	20.23	18.20
	36RB-Low (0)	841.5 (26965)	22.13	21.14	20.15	18.13
		831.5 (26865)	22.08	21.19	20.21	18.18
		822.5 (26775)	22.16	21.17	20.24	18.21
	75RB (0)	841.5 (26965)	22.16	21.15	20.13	18.11
		831.5 (26865)	22.02	21.15	20.04	18.03
		822.5 (26775)	22.21	21.22	20.14	18.12

LTE B26-ANT0 (Power Level B1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	848.3 (27033)	17.40	17.63	17.54	17.84
		831.5 (26865)	17.35	17.74	17.65	17.55
		814.7 (26697)	17.46	17.79	17.96	17.71
	1RB-Middle (3)	848.3 (27033)	17.31	17.72	17.65	17.60
		831.5 (26865)	17.66	17.83	17.76	17.48
		814.7 (26697)	17.74	17.81	17.86	17.63
	1RB-Low (0)	848.3 (27033)	17.40	17.61	17.58	17.68
		831.5 (26865)	17.35	17.71	17.86	17.49
		814.7 (26697)	17.50	17.67	17.93	17.78
	3RB-High (3)	848.3 (27033)	17.34	17.27	17.40	17.51
		831.5 (26865)	17.41	17.48	17.47	17.61
		814.7 (26697)	17.48	17.51	17.51	17.92
	3RB-Middle (1)	848.3 (27033)	17.38	17.51	17.47	17.59
		831.5 (26865)	17.38	17.40	17.45	17.69
		814.7 (26697)	17.54	17.10	17.61	17.82
	3RB-Low (0)	848.3 (27033)	17.35	17.44	17.36	17.62
		831.5 (26865)	17.36	17.47	17.58	17.61
		814.7 (26697)	17.45	17.59	17.59	17.58
	6RB (0)	848.3 (27033)	17.43	17.48	17.29	17.64
		831.5 (26865)	17.40	17.43	17.43	17.64
		814.7 (26697)	17.52	17.46	17.37	17.56
3MHz	1RB-High (14)	847.5 (27025)	17.50	17.64	17.65	17.82
		831.5 (26865)	17.55	17.91	17.73	17.87
		815.5 (26705)	17.61	17.85	17.70	17.68
	1RB-Middle (7)	847.5 (27025)	17.27	17.70	17.29	17.64
		831.5 (26865)	17.37	17.77	17.39	17.70
		815.5 (26705)	17.41	17.96	17.34	17.74
	1RB-Low (0)	847.5 (27025)	17.49	17.72	17.60	17.54
		831.5 (26865)	17.61	17.85	17.68	17.55
		815.5 (26705)	17.65	17.85	17.79	17.84
	8RB-High (7)	847.5 (27025)	17.48	17.61	17.45	17.80
		831.5 (26865)	17.50	17.52	17.55	17.71
		815.5 (26705)	17.57	17.67	17.63	17.53
	8RB-Middle (4)	847.5 (27025)	17.44	17.60	17.64	17.59
		831.5 (26865)	17.59	17.68	17.61	17.73
		815.5 (26705)	17.71	17.60	17.78	17.90
	8RB-Low (0)	847.5 (27025)	17.46	17.58	17.55	17.48
		831.5 (26865)	17.41	17.52	17.59	17.67
		815.5 (26705)	17.65	17.60	17.60	17.82
	15RB (0)	847.5 (27025)	17.51	17.46	17.40	17.72
		831.5 (26865)	17.45	17.54	17.48	17.56
		815.5 (26705)	17.56	17.62	17.63	17.74

5MHz	1RB-High (24)	846.5 (27015)	17.42	17.74	17.53	17.84
		831.5 (26865)	17.52	17.73	17.80	17.77
		816.5 (26715)	17.52	17.79	17.89	17.75
	1RB-Middle (12)	846.5 (27015)	17.35	17.76	17.54	17.82
		831.5 (26865)	17.49	18.04	17.47	17.61
		816.5 (26715)	17.39	17.59	17.62	17.75
	1RB-Low (0)	846.5 (27015)	17.51	17.76	17.83	17.51
		831.5 (26865)	17.57	17.78	17.82	17.66
		816.5 (26715)	17.68	17.88	17.95	17.55
	12RB-High (13)	846.5 (27015)	17.52	17.53	17.61	17.71
		831.5 (26865)	17.52	17.60	17.57	17.51
		816.5 (26715)	17.56	17.57	17.50	17.50
	12RB-Middle (6)	846.5 (27015)	17.51	17.53	17.57	17.62
		831.5 (26865)	17.43	17.44	17.54	17.62
		816.5 (26715)	17.59	17.68	17.53	17.76
	12RB-Low (0)	846.5 (27015)	17.56	17.36	17.52	17.58
		831.5 (26865)	17.47	17.50	17.57	17.80
		816.5 (26715)	17.59	17.63	17.73	17.90
	25RB (0)	846.5 (27015)	17.45	17.56	17.52	17.86
		831.5 (26865)	17.45	17.44	17.51	17.68
		816.5 (26715)	17.58	17.57	17.69	17.85
10MHz	1RB-High (49)	844 (26990)	17.37	17.73	17.49	17.68
		831.5 (26865)	17.40	17.65	17.63	17.68
		820 (26750)	17.36	17.66	17.55	17.88
	1RB-Middle (24)	844 (26990)	17.50	17.76	17.61	17.72
		831.5 (26865)	17.34	17.67	17.82	17.65
		820 (26750)	17.57	17.67	17.78	17.68
	1RB-Low (0)	844 (26990)	17.41	17.75	17.69	17.75
		831.5 (26865)	17.62	17.79	17.62	17.48
		820 (26750)	17.50	17.80	17.58	17.91
	25RB-High (25)	844 (26990)	17.56	17.51	17.61	17.81
		831.5 (26865)	17.60	17.58	17.57	17.61
		820 (26750)	17.61	17.57	17.55	17.54
	25RB-Middle (12)	844 (26990)	17.50	17.58	17.57	17.78
		831.5 (26865)	17.48	17.59	17.47	17.85
		820 (26750)	17.53	17.59	17.70	17.68
	25RB-Low (0)	844 (26990)	17.55	17.59	17.57	17.83
		831.5 (26865)	17.49	17.45	17.60	17.81
		820 (26750)	17.57	17.65	17.63	17.63
	50RB (0)	844 (26990)	17.45	17.55	17.60	17.51
		831.5 (26865)	17.43	17.43	17.43	17.74
		820 (26750)	17.54	17.63	17.61	17.75

15MHz	1RB-High (74)	841.5 (26965)	17.29	17.76	17.56	17.47
		831.5 (26865)	17.20	17.73	17.57	17.40
		822.5 (26775)	17.34	17.64	17.58	17.38
	1RB-Middle (37)	841.5 (26965)	17.30	17.71	17.45	17.38
		831.5 (26865)	17.23	17.57	17.54	17.54
		822.5 (26775)	17.23	17.50	17.40	17.49
	1RB-Low (0)	841.5 (26965)	17.40	17.66	17.47	17.48
		831.5 (26865)	17.42	17.52	17.47	17.41
		822.5 (26775)	17.38	17.72	17.69	17.54
	36RB-High (38)	841.5 (26965)	17.54	17.53	17.41	17.59
		831.5 (26865)	17.42	17.48	17.41	17.38
		822.5 (26775)	17.35	17.45	17.51	17.57
	36RB-Middle (19)	841.5 (26965)	17.40	17.50	17.49	17.55
		831.5 (26865)	17.40	17.37	17.41	17.38
		822.5 (26775)	17.48	17.50	17.37	17.53
	36RB-Low (0)	841.5 (26965)	17.41	17.41	17.40	17.52
		831.5 (26865)	17.39	17.37	17.38	17.47
		822.5 (26775)	17.42	17.37	17.38	17.52
	75RB (0)	841.5 (26965)	17.41	17.50	17.36	17.58
		831.5 (26865)	17.35	17.43	17.36	17.58
		822.5 (26775)	17.47	17.46	17.44	17.59

LTE B26-ANT0 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	848.3 (27033)	14.12	14.41	14.34	14.32
		831.5 (26865)	14.03	14.29	14.51	14.50
		814.7 (26697)	14.20	14.42	14.29	14.18
	1RB-Middle (3)	848.3 (27033)	14.11	14.38	14.53	14.33
		831.5 (26865)	14.43	14.48	14.56	14.29
		814.7 (26697)	14.49	14.40	14.43	14.30
	1RB-Low (0)	848.3 (27033)	14.08	14.42	14.34	14.38
		831.5 (26865)	14.11	14.44	14.40	14.30
		814.7 (26697)	14.13	14.57	14.54	14.54
	3RB-High (3)	848.3 (27033)	14.07	14.10	14.22	14.25
		831.5 (26865)	14.18	14.13	14.14	14.51
		814.7 (26697)	14.18	14.22	14.27	14.27
	3RB-Middle (1)	848.3 (27033)	14.19	14.14	14.14	14.14
		831.5 (26865)	14.13	14.06	14.23	14.35
		814.7 (26697)	14.21	14.22	14.31	14.15
	3RB-Low (0)	848.3 (27033)	14.06	14.16	14.15	14.18
		831.5 (26865)	14.13	14.16	14.11	14.32
		814.7 (26697)	14.17	14.27	14.27	14.29
	6RB (0)	848.3 (27033)	14.16	14.06	14.09	14.38
		831.5 (26865)	14.12	14.25	14.17	14.19
		814.7 (26697)	14.13	14.19	14.22	14.47
3MHz	1RB-High (14)	847.5 (27025)	14.22	14.58	14.31	14.38
		831.5 (26865)	14.17	14.48	14.48	14.52
		815.5 (26705)	14.25	14.45	14.40	14.17
	1RB-Middle (7)	847.5 (27025)	14.06	14.11	14.30	14.14
		831.5 (26865)	14.08	14.55	14.17	14.14
		815.5 (26705)	14.20	14.48	14.57	14.51
	1RB-Low (0)	847.5 (27025)	14.19	14.51	14.51	14.39
		831.5 (26865)	14.23	14.44	14.44	14.50
		815.5 (26705)	14.30	14.52	14.56	14.31
	8RB-High (7)	847.5 (27025)	14.21	14.28	14.26	14.12
		831.5 (26865)	14.23	14.31	14.30	14.48
		815.5 (26705)	14.40	14.50	14.30	14.15
	8RB-Middle (4)	847.5 (27025)	14.19	14.35	14.29	14.13
		831.5 (26865)	14.29	14.42	14.26	14.50
		815.5 (26705)	14.39	14.41	14.37	14.52
	8RB-Low (0)	847.5 (27025)	14.23	14.26	14.18	14.44
		831.5 (26865)	14.23	14.20	14.22	14.54
		815.5 (26705)	14.38	14.39	14.33	14.38
	15RB (0)	847.5 (27025)	14.24	14.23	14.25	14.13
		831.5 (26865)	14.06	14.18	14.10	14.17
		815.5 (26705)	14.30	14.37	14.25	14.47

5MHz	1RB-High (24)	846.5 (27015)	14.19	14.50	14.28	14.55
		831.5 (26865)	14.24	14.46	14.45	14.39
		816.5 (26715)	14.13	14.53	14.42	14.42
	1RB-Middle (12)	846.5 (27015)	14.15	14.52	14.32	14.33
		831.5 (26865)	14.08	14.51	14.16	14.47
		816.5 (26715)	14.17	14.57	14.03	14.14
	1RB-Low (0)	846.5 (27015)	14.19	14.53	14.35	14.31
		831.5 (26865)	14.18	14.47	14.30	14.28
		816.5 (26715)	14.29	14.63	14.40	14.29
	12RB-High (13)	846.5 (27015)	14.19	14.20	14.26	14.31
		831.5 (26865)	14.25	14.35	14.21	14.24
		816.5 (26715)	14.21	14.06	14.32	14.33
	12RB-Middle (6)	846.5 (27015)	14.32	14.31	14.40	14.45
		831.5 (26865)	14.21	14.22	14.18	14.30
		816.5 (26715)	14.34	14.31	14.17	14.20
	12RB-Low (0)	846.5 (27015)	14.25	14.33	14.17	14.49
		831.5 (26865)	14.24	14.21	14.30	14.14
		816.5 (26715)	14.33	14.17	14.26	14.29
	25RB (0)	846.5 (27015)	14.28	14.26	14.25	14.28
		831.5 (26865)	14.19	14.24	14.17	14.18
		816.5 (26715)	14.34	14.31	14.28	14.27
10MHz	1RB-High (49)	844 (26990)	14.14	14.44	14.16	14.55
		831.5 (26865)	14.17	14.45	14.09	14.41
		820 (26750)	14.15	14.41	14.17	14.46
	1RB-Middle (24)	844 (26990)	14.17	14.42	14.44	14.50
		831.5 (26865)	14.32	14.53	14.44	14.32
		820 (26750)	14.18	14.45	14.44	14.15
	1RB-Low (0)	844 (26990)	14.34	14.58	14.44	14.39
		831.5 (26865)	14.17	14.55	14.28	14.21
		820 (26750)	14.27	14.55	14.43	14.13
	25RB-High (25)	844 (26990)	14.30	14.31	14.27	14.31
		831.5 (26865)	14.30	14.34	14.27	14.33
		820 (26750)	14.25	14.20	14.24	14.31
	25RB-Middle (12)	844 (26990)	14.31	14.27	14.26	14.55
		831.5 (26865)	14.29	14.24	14.25	14.23
		820 (26750)	14.31	14.28	14.26	14.41
	25RB-Low (0)	844 (26990)	14.22	14.28	14.29	14.14
		831.5 (26865)	14.27	14.33	14.31	14.52
		820 (26750)	14.37	14.27	14.34	14.51
	50RB (0)	844 (26990)	14.20	14.23	14.30	14.33
		831.5 (26865)	14.28	14.27	14.18	14.28
		820 (26750)	14.34	14.31	14.28	14.21

15MHz	1RB-High (74)	841.5 (26965)	14.04	14.15	14.19	14.06
		831.5 (26865)	14.08	14.37	14.03	14.36
		822.5 (26775)	14.12	14.34	14.20	14.26
	1RB-Middle (37)	841.5 (26965)	14.02	14.39	14.17	14.28
		831.5 (26865)	14.08	14.29	14.17	14.10
		822.5 (26775)	14.09	14.29	14.18	14.26
	1RB-Low (0)	841.5 (26965)	14.05	14.41	14.24	14.35
		831.5 (26865)	14.10	14.36	14.28	14.26
		822.5 (26775)	14.18	14.40	14.16	14.09
	36RB-High (38)	841.5 (26965)	14.17	14.11	14.12	14.19
		831.5 (26865)	14.12	14.19	14.16	14.13
		822.5 (26775)	14.15	14.06	14.12	14.30
	36RB-Middle (19)	841.5 (26965)	14.14	14.11	14.15	14.14
		831.5 (26865)	14.12	14.10	14.16	14.26
		822.5 (26775)	14.19	14.09	14.16	14.19
	36RB-Low (0)	841.5 (26965)	14.16	14.08	14.08	14.30
		831.5 (26865)	14.12	14.18	14.05	14.34
		822.5 (26775)	14.07	14.12	14.16	14.25
	75RB (0)	841.5 (26965)	14.15	14.09	14.14	14.38
		831.5 (26865)	14.07	14.11	14.09	14.32
		822.5 (26775)	14.19	14.18	14.13	14.30

LTE B38-ANT1 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2617.5 (38225)	24.78	24.12	23.08	20.26
		2595 (38000)	24.86	24.14	22.90	20.21
		2572.5 (37775)	24.95	24.26	23.02	20.31
	1RB-Middle (12)	2617.5 (38225)	24.77	23.96	22.93	20.26
		2595 (38000)	25.00	24.06	22.95	20.30
		2572.5 (37775)	24.95	24.03	22.98	20.36
	1RB-Low (0)	2617.5 (38225)	24.75	24.09	23.00	20.32
		2595 (38000)	24.90	24.15	22.96	20.42
		2572.5 (37775)	24.93	24.21	22.94	20.43
	12RB-High (13)	2617.5 (38225)	23.92	22.98	21.91	20.30
		2595 (38000)	23.84	22.85	21.95	20.32
		2572.5 (37775)	24.00	22.96	21.96	20.38
	12RB-Middle (6)	2617.5 (38225)	23.84	22.84	21.89	20.39
		2595 (38000)	23.85	22.86	21.91	20.38
		2572.5 (37775)	23.96	22.98	21.99	20.30
	12RB-Low (0)	2617.5 (38225)	23.85	22.94	21.92	20.34
		2595 (38000)	23.97	22.91	21.94	20.40
		2572.5 (37775)	24.01	22.94	21.96	20.27
	25RB (0)	2617.5 (38225)	23.85	22.89	21.82	20.42
		2595 (38000)	23.83	22.92	21.98	20.42
		2572.5 (37775)	23.97	23.00	21.08	20.28
10MHz	1RB-High (49)	2615 (38200)	24.81	24.13	23.01	20.28
		2595 (38000)	24.87	24.14	23.06	20.23
		2575 (37800)	24.88	24.15	23.10	20.33
	1RB-Middle (24)	2615 (38200)	24.82	24.02	22.93	20.28
		2595 (38000)	24.87	24.11	23.03	20.32
		2575 (37800)	24.96	24.14	23.10	20.38
	1RB-Low (0)	2615 (38200)	24.82	24.13	23.04	20.34
		2595 (38000)	24.92	24.16	23.07	20.44
		2575 (37800)	24.95	24.30	23.14	20.45
	25RB-High (25)	2615 (38200)	23.81	22.87	21.82	20.32
		2595 (38000)	23.86	22.91	21.88	20.34
		2575 (37800)	23.88	22.93	21.86	20.40
	25RB-Middle (12)	2615 (38200)	23.86	22.94	21.86	20.41
		2595 (38000)	23.93	22.96	21.91	20.40
		2575 (37800)	23.94	22.99	21.97	20.32
	25RB-Low (0)	2615 (38200)	23.86	22.90	21.86	20.36
		2595 (38000)	23.99	22.97	21.94	20.42
		2575 (37800)	24.03	23.03	21.99	20.29
	50RB (0)	2615 (38200)	23.90	22.89	21.86	20.44
		2595 (38000)	23.90	22.97	21.85	20.44
		2575 (37800)	23.95	22.98	21.91	20.30

15MHz	1RB-High (74)	2612.5 (38175)	24.61	23.99	22.88	20.30
		2595 (38000)	24.65	23.99	22.91	20.25
		2577.5 (37825)	24.72	24.11	23.00	20.35
	1RB-Middle (37)	2612.5 (38175)	24.65	23.97	22.87	20.30
		2595 (38000)	24.69	24.08	22.97	20.34
		2577.5 (37825)	24.76	24.12	23.02	20.40
	1RB-Low (0)	2612.5 (38175)	24.71	24.03	22.95	20.36
		2595 (38000)	24.73	24.10	23.00	20.46
		2577.5 (37825)	24.77	24.14	23.09	20.47
	36RB-High (38)	2612.5 (38175)	23.66	22.61	21.67	20.34
		2595 (38000)	23.80	22.75	21.79	20.36
		2577.5 (37825)	23.76	22.78	21.78	20.42
	36RB-Middle (19)	2612.5 (38175)	23.76	22.79	21.75	20.43
		2595 (38000)	23.82	22.80	21.79	20.42
		2577.5 (37825)	23.92	22.93	21.94	20.34
	36RB-Low (0)	2612.5 (38175)	23.76	22.69	21.72	20.38
		2595 (38000)	23.81	22.83	21.85	20.44
		2577.5 (37825)	23.87	22.87	21.87	20.31
	75RB (0)	2612.5 (38175)	23.74	22.77	21.76	20.46
		2595 (38000)	23.79	22.79	21.77	20.46
		2577.5 (37825)	23.78	22.86	21.85	20.32
20MHz	1RB-High (99)	2610 (38150)	24.64	24.02	22.91	20.32
		2595 (38000)	24.65	23.98	22.85	20.27
		2580 (37850)	24.68	24.09	22.97	20.37
	1RB-Middle (50)	2610 (38150)	24.61	23.99	22.91	20.32
		2595 (38000)	24.72	24.06	22.96	20.36
		2580 (37850)	24.76	24.10	23.02	20.42
	1RB-Low (0)	2610 (38150)	24.70	24.05	22.98	20.38
		2595 (38000)	24.78	24.17	23.09	20.48
		2580 (37850)	24.76	24.16	23.10	20.49
	50RB-High (50)	2610 (38150)	23.69	22.68	21.68	20.36
		2595 (38000)	23.76	22.81	21.70	20.38
		2580 (37850)	23.77	22.82	21.77	20.44
	50RB-Middle (25)	2610 (38150)	23.77	22.83	21.78	20.45
		2595 (38000)	23.77	22.86	21.77	20.44
		2580 (37850)	23.93	22.97	21.89	20.36
	50RB-Low (0)	2610 (38150)	23.76	22.79	21.73	20.40
		2595 (38000)	23.84	22.89	21.79	20.46
		2580 (37850)	23.91	22.93	21.84	20.33
	100RB (0)	2610 (38150)	23.77	22.80	21.81	20.48
		2595 (38000)	23.81	22.83	21.81	20.48
		2580 (37850)	23.81	22.82	21.87	20.34

LTE B38-ANT1 (Power Level B1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2617.5 (38225)	10.34	10.43	10.15	10.26
		2595 (38000)	10.39	10.51	10.17	10.26
		2572.5 (37775)	10.49	10.56	10.29	10.32
	1RB-Middle (12)	2617.5 (38225)	10.53	10.44	9.92	10.43
		2595 (38000)	10.68	10.49	9.99	10.36
		2572.5 (37775)	10.43	10.55	10.09	10.34
	1RB-Low (0)	2617.5 (38225)	10.28	10.42	10.12	10.24
		2595 (38000)	10.43	10.50	10.23	10.31
		2572.5 (37775)	10.47	10.56	10.26	10.10
	12RB-High (13)	2617.5 (38225)	10.40	10.38	10.37	10.16
		2595 (38000)	10.39	10.32	10.33	10.22
		2572.5 (37775)	10.53	10.47	10.51	10.14
	12RB-Middle (6)	2617.5 (38225)	10.35	10.36	10.41	10.23
		2595 (38000)	10.38	10.31	10.41	10.41
		2572.5 (37775)	10.53	10.47	10.54	10.18
	12RB-Low (0)	2617.5 (38225)	10.35	10.31	10.37	10.17
		2595 (38000)	10.44	10.41	10.46	10.20
		2572.5 (37775)	10.52	10.44	10.52	10.36
	25RB (0)	2617.5 (38225)	10.35	10.38	10.30	10.29
		2595 (38000)	10.39	10.32	10.30	10.23
		2572.5 (37775)	10.49	10.52	10.44	10.15
10MHz	1RB-High (49)	2615 (38200)	10.29	10.44	10.18	10.44
		2595 (38000)	10.32	10.48	10.05	10.44
		2575 (37800)	10.39	10.49	10.08	10.31
	1RB-Middle (24)	2615 (38200)	10.21	10.35	10.09	10.14
		2595 (38000)	10.36	10.48	10.08	10.23
		2575 (37800)	10.42	10.53	10.18	10.38
	1RB-Low (0)	2615 (38200)	10.30	10.42	10.20	10.29
		2595 (38000)	10.33	10.56	10.16	10.29
		2575 (37800)	10.43	10.58	10.23	10.43
	25RB-High (25)	2615 (38200)	10.33	10.35	10.35	10.38
		2595 (38000)	10.36	10.35	10.47	10.44
		2575 (37800)	10.45	10.44	10.54	10.31
	25RB-Middle (12)	2615 (38200)	10.38	10.37	10.38	10.30
		2595 (38000)	10.41	10.37	10.47	10.43
		2575 (37800)	10.47	10.44	10.55	10.13
	25RB-Low (0)	2615 (38200)	10.35	10.32	10.31	10.13
		2595 (38000)	10.44	10.43	10.56	10.24
		2575 (37800)	10.53	10.62	10.63	10.11
	50RB (0)	2615 (38200)	10.36	10.39	10.39	10.29
		2595 (38000)	10.35	10.35	10.43	10.34
		2575 (37800)	10.45	10.50	10.49	10.13

15MHz	1RB-High (74)	2612.5 (38175)	10.20	10.32	10.00	10.16
		2595 (38000)	10.22	10.34	9.96	10.16
		2577.5 (37825)	10.32	10.44	10.12	10.30
	1RB-Middle (37)	2612.5 (38175)	10.17	10.31	9.96	10.35
		2595 (38000)	10.25	10.39	10.09	10.25
		2577.5 (37825)	10.34	10.42	10.12	10.15
	1RB-Low (0)	2612.5 (38175)	10.25	10.42	10.09	10.28
		2595 (38000)	10.26	10.49	10.07	10.31
		2577.5 (37825)	10.34	10.52	10.19	10.38
	36RB-High (38)	2612.5 (38175)	10.15	10.13	10.15	10.27
		2595 (38000)	10.25	10.19	10.23	10.44
		2577.5 (37825)	10.25	10.29	10.29	10.37
	36RB-Middle (19)	2612.5 (38175)	10.23	10.29	10.26	10.10
		2595 (38000)	10.27	10.24	10.27	10.09
		2577.5 (37825)	10.33	10.34	10.32	10.37
	36RB-Low (0)	2612.5 (38175)	10.25	10.22	10.24	10.36
		2595 (38000)	10.29	10.31	10.34	10.18
		2577.5 (37825)	10.37	10.36	10.40	10.40
	75RB (0)	2612.5 (38175)	10.19	10.28	10.28	10.20
		2595 (38000)	10.26	10.28	10.26	10.36
		2577.5 (37825)	10.32	10.32	10.34	10.37
20MHz	1RB-High (99)	2610 (38150)	10.12	10.32	9.95	9.96
		2595 (38000)	10.18	10.33	10.01	10.19
		2580 (37850)	10.27	10.43	10.05	10.01
	1RB-Middle (50)	2610 (38150)	10.18	10.31	9.98	10.07
		2595 (38000)	10.27	10.39	10.09	9.91
		2580 (37850)	10.36	10.48	10.16	10.31
	1RB-Low (0)	2610 (38150)	10.25	10.45	10.12	10.00
		2595 (38000)	10.32	10.53	10.19	10.24
		2580 (37850)	10.37	10.57	10.24	10.16
	50RB-High (50)	2610 (38150)	10.17	10.18	10.15	10.17
		2595 (38000)	10.25	10.24	10.23	10.19
		2580 (37850)	10.35	10.32	10.30	9.98
	50RB-Middle (25)	2610 (38150)	10.22	10.29	10.23	10.21
		2595 (38000)	10.27	10.29	10.24	10.33
		2580 (37850)	10.36	10.38	10.32	10.11
	50RB-Low (0)	2610 (38150)	10.27	10.25	10.20	10.01
		2595 (38000)	10.33	10.37	10.32	10.40
		2580 (37850)	10.42	10.45	10.38	9.90
	100RB (0)	2610 (38150)	10.24	10.24	10.30	9.97
		2595 (38000)	10.29	10.30	10.31	10.38
		2580 (37850)	10.33	10.34	10.43	9.95

LTE B38-ANT1 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2617.5 (38225)	7.09	7.16	6.87	6.95
		2595 (38000)	7.09	7.26	6.91	7.13
		2572.5 (37775)	7.17	7.32	7.01	7.10
	1RB-Middle (12)	2617.5 (38225)	7.12	7.12	6.85	7.25
		2595 (38000)	7.31	7.17	6.70	7.14
		2572.5 (37775)	7.19	7.25	6.89	7.08
	1RB-Low (0)	2617.5 (38225)	7.07	7.16	6.87	7.05
		2595 (38000)	7.16	7.25	6.90	7.27
		2572.5 (37775)	7.20	7.29	7.03	6.91
	12RB-High (13)	2617.5 (38225)	7.10	7.05	7.02	6.89
		2595 (38000)	7.10	7.01	7.05	7.30
		2572.5 (37775)	7.23	7.19	7.24	7.18
	12RB-Middle (6)	2617.5 (38225)	7.12	7.06	7.12	7.19
		2595 (38000)	7.15	7.07	7.09	7.19
		2572.5 (37775)	7.23	7.18	7.25	7.05
	12RB-Low (0)	2617.5 (38225)	7.12	7.09	7.07	7.20
		2595 (38000)	7.17	7.16	7.11	7.12
		2572.5 (37775)	7.21	7.15	7.22	7.00
	25RB (0)	2617.5 (38225)	7.07	7.12	7.05	7.20
		2595 (38000)	7.09	7.06	7.04	7.29
		2572.5 (37775)	7.21	7.23	7.15	7.28
10MHz	1RB-High (49)	2615 (38200)	7.01	7.09	6.85	6.91
		2595 (38000)	6.97	7.17	6.99	7.28
		2575 (37800)	7.04	7.24	6.95	6.90
	1RB-Middle (24)	2615 (38200)	7.01	7.05	6.85	7.01
		2595 (38000)	7.04	7.22	6.87	7.24
		2575 (37800)	7.14	7.22	7.04	6.97
	1RB-Low (0)	2615 (38200)	6.97	7.12	6.87	7.13
		2595 (38000)	7.05	7.26	6.99	7.25
		2575 (37800)	7.16	7.31	7.06	7.28
	25RB-High (25)	2615 (38200)	7.13	7.06	7.06	7.15
		2595 (38000)	7.10	7.08	7.02	6.91
		2575 (37800)	7.17	7.15	7.12	7.02
	25RB-Middle (12)	2615 (38200)	7.13	7.11	7.07	6.94
		2595 (38000)	7.12	7.12	7.12	7.17
		2575 (37800)	7.18	7.24	7.18	7.01
	25RB-Low (0)	2615 (38200)	7.04	7.08	7.01	7.16
		2595 (38000)	7.16	7.20	7.08	6.90
		2575 (37800)	7.24	7.30	7.18	7.13
	50RB (0)	2615 (38200)	7.11	7.12	7.06	6.99
		2595 (38000)	7.11	7.11	7.06	7.28
		2575 (37800)	7.16	7.22	7.15	7.20

15MHz	1RB-High (74)	2612.5 (38175)	6.91	7.02	6.65	7.05
		2595 (38000)	6.89	7.07	6.67	6.89
		2577.5 (37825)	6.98	7.14	6.78	7.08
	1RB-Middle (37)	2612.5 (38175)	6.92	7.01	6.65	6.89
		2595 (38000)	6.95	7.13	6.77	7.03
		2577.5 (37825)	7.06	7.19	6.87	7.18
	1RB-Low (0)	2612.5 (38175)	6.89	7.04	6.70	6.90
		2595 (38000)	6.96	7.08	6.74	6.89
		2577.5 (37825)	7.00	7.18	6.78	7.11
	36RB-High (38)	2612.5 (38175)	6.92	6.85	6.87	7.12
		2595 (38000)	6.98	6.91	6.97	7.01
		2577.5 (37825)	7.03	6.98	7.06	7.09
	36RB-Middle (19)	2612.5 (38175)	7.03	6.92	6.95	7.30
		2595 (38000)	7.00	6.97	6.99	7.21
		2577.5 (37825)	7.06	7.06	7.09	6.91
	36RB-Low (0)	2612.5 (38175)	6.97	6.91	6.95	7.26
		2595 (38000)	7.08	7.01	7.03	6.97
		2577.5 (37825)	7.11	7.09	7.12	7.14
	75RB (0)	2612.5 (38175)	7.00	6.97	6.98	6.93
		2595 (38000)	6.97	7.00	6.97	7.16
		2577.5 (37825)	7.04	7.05	7.03	7.08
20MHz	1RB-High (99)	2610 (38150)	6.97	7.09	6.74	6.80
		2595 (38000)	6.97	7.13	6.79	6.86
		2580 (37850)	7.05	7.17	6.86	6.72
	1RB-Middle (50)	2610 (38150)	7.00	7.10	6.76	6.85
		2595 (38000)	7.06	7.19	6.84	7.10
		2580 (37850)	7.13	7.22	6.91	6.80
	1RB-Low (0)	2610 (38150)	7.05	7.22	6.80	7.19
		2595 (38000)	7.15	7.27	6.90	6.84
		2580 (37850)	7.11	7.29	6.96	6.86
	50RB-High (50)	2610 (38150)	6.96	6.99	6.91	6.90
		2595 (38000)	7.03	7.06	6.98	6.82
		2580 (37850)	7.05	7.12	7.05	6.73
	50RB-Middle (25)	2610 (38150)	7.06	7.09	7.01	6.81
		2595 (38000)	7.07	7.10	7.03	7.09
		2580 (37850)	7.15	7.19	7.12	6.90
	50RB-Low (0)	2610 (38150)	7.06	7.04	7.03	6.88
		2595 (38000)	7.12	7.14	7.11	6.70
		2580 (37850)	7.19	7.23	7.17	7.17
	100RB (0)	2610 (38150)	7.08	7.05	7.08	6.80
		2595 (38000)	7.08	7.04	7.10	7.00
		2580 (37850)	7.11	7.14	7.15	6.85

LTE B38-ANT4 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2617.5 (38225)	24.54	24.14	23.48	20.00
		2595 (38000)	24.62	24.16	23.30	20.27
		2572.5 (37775)	24.71	24.28	23.42	20.34
	1RB-Middle (12)	2617.5 (38225)	24.53	23.98	23.33	20.25
		2595 (38000)	24.76	24.08	23.35	20.23
		2572.5 (37775)	24.71	24.05	23.38	20.01
	1RB-Low (0)	2617.5 (38225)	24.51	24.11	23.40	20.13
		2595 (38000)	24.66	24.17	23.36	20.31
		2572.5 (37775)	24.69	24.23	23.34	20.15
	12RB-High (13)	2617.5 (38225)	23.69	23.33	22.29	20.21
		2595 (38000)	23.61	23.20	22.33	20.26
		2572.5 (37775)	23.77	23.31	22.34	20.13
	12RB-Middle (6)	2617.5 (38225)	23.61	23.19	22.27	20.19
		2595 (38000)	23.62	23.21	22.29	20.16
		2572.5 (37775)	23.73	23.33	22.37	20.12
	12RB-Low (0)	2617.5 (38225)	23.62	23.29	22.30	20.12
		2595 (38000)	23.74	23.26	22.32	20.14
		2572.5 (37775)	23.78	23.29	22.34	20.31
	25RB (0)	2617.5 (38225)	23.62	23.24	22.20	20.27
		2595 (38000)	23.60	23.27	22.36	20.14
		2572.5 (37775)	23.74	23.35	21.45	20.13
10MHz	1RB-High (49)	2615 (38200)	24.57	24.15	23.41	20.17
		2595 (38000)	24.63	24.16	23.46	20.31
		2575 (37800)	24.64	24.17	23.50	20.28
	1RB-Middle (24)	2615 (38200)	24.58	24.04	23.33	20.01
		2595 (38000)	24.63	24.13	23.43	20.00
		2575 (37800)	24.72	24.16	23.50	20.03
	1RB-Low (0)	2615 (38200)	24.58	24.15	23.44	20.11
		2595 (38000)	24.68	24.18	23.47	20.32
		2575 (37800)	24.71	24.32	23.24	20.04
	25RB-High (25)	2615 (38200)	23.58	23.22	22.20	20.28
		2595 (38000)	23.63	23.26	22.26	20.19
		2575 (37800)	23.65	23.28	22.24	20.23
	25RB-Middle (12)	2615 (38200)	23.63	23.29	22.24	20.29
		2595 (38000)	23.70	23.31	22.29	20.35
		2575 (37800)	23.71	23.34	22.35	20.22
	25RB-Low (0)	2615 (38200)	23.63	23.25	22.24	20.30
		2595 (38000)	23.76	23.32	22.32	20.25
		2575 (37800)	23.80	23.38	22.37	20.05
	50RB (0)	2615 (38200)	23.67	23.24	22.24	20.02
		2595 (38000)	23.67	23.32	22.23	20.12
		2575 (37800)	23.72	23.33	22.29	20.06

15MHz	1RB-High (74)	2612.5 (38175)	24.37	24.01	23.28	20.32
		2595 (38000)	24.41	24.01	23.31	20.20
		2577.5 (37825)	24.48	24.13	23.40	20.24
	1RB-Middle (37)	2612.5 (38175)	24.41	23.99	23.27	20.01
		2595 (38000)	24.45	24.10	23.37	20.28
		2577.5 (37825)	24.52	24.14	23.42	20.07
	1RB-Low (0)	2612.5 (38175)	24.47	24.05	23.35	20.26
		2595 (38000)	24.49	24.12	23.40	20.04
		2577.5 (37825)	24.53	24.16	23.49	20.17
	36RB-High (38)	2612.5 (38175)	23.43	22.96	22.05	20.33
		2595 (38000)	23.57	23.10	22.17	20.32
		2577.5 (37825)	23.53	23.13	22.16	20.29
	36RB-Middle (19)	2612.5 (38175)	23.53	23.14	22.13	20.03
		2595 (38000)	23.59	23.15	22.17	20.01
		2577.5 (37825)	23.69	23.28	22.32	20.34
	36RB-Low (0)	2612.5 (38175)	23.53	23.04	22.10	20.22
		2595 (38000)	23.58	23.18	22.23	20.05
		2577.5 (37825)	23.64	23.22	22.25	20.01
	75RB (0)	2612.5 (38175)	23.51	23.12	22.14	20.08
		2595 (38000)	23.56	23.14	22.15	20.15
		2577.5 (37825)	23.55	23.21	22.23	20.17
20MHz	1RB-High (99)	2610 (38150)	24.40	24.39	23.31	20.15
		2595 (38000)	24.34	24.33	23.25	20.10
		2580 (37850)	24.36	24.35	23.27	20.12
	1RB-Middle (50)	2610 (38150)	24.31	24.30	23.22	20.08
		2595 (38000)	24.34	24.33	23.25	20.10
		2580 (37850)	24.29	24.28	23.20	20.06
	1RB-Low (0)	2610 (38150)	24.28	24.27	23.20	20.05
		2595 (38000)	24.17	24.16	23.09	19.96
		2580 (37850)	24.27	24.26	23.19	20.04
	50RB-High (50)	2610 (38150)	24.05	23.45	22.46	20.22
		2595 (38000)	23.94	23.34	22.36	20.13
		2580 (37850)	23.92	23.30	22.37	20.05
	50RB-Middle (25)	2610 (38150)	24.06	23.41	22.42	20.19
		2595 (38000)	24.00	23.40	22.41	20.18
		2580 (37850)	24.04	23.44	22.45	20.21
	50RB-Low (0)	2610 (38150)	24.02	23.42	22.43	20.19
		2595 (38000)	24.00	23.40	22.41	20.18
		2580 (37850)	23.94	23.34	22.36	20.13
	100RB (0)	2610 (38150)	24.04	23.44	22.45	20.21
		2595 (38000)	23.97	23.37	22.38	20.15
		2580 (37850)	23.94	23.34	22.36	20.13

LTE B38-ANT4 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2617.5 (38225)	8.15	8.18	8.08	8.02
		2595 (38000)	8.15	8.29	8.13	8.23
		2572.5 (37775)	8.24	8.36	8.25	8.20
	1RB-Middle (12)	2617.5 (38225)	8.18	8.13	8.05	8.37
		2595 (38000)	8.40	8.19	7.87	8.24
		2572.5 (37775)	8.26	8.28	8.10	8.17
	1RB-Low (0)	2617.5 (38225)	8.12	8.18	8.08	8.14
		2595 (38000)	8.23	8.28	8.12	8.39
		2572.5 (37775)	8.27	8.33	8.27	7.98
	12RB-High (13)	2617.5 (38225)	8.16	8.05	8.26	7.95
		2595 (38000)	8.16	8.01	8.30	8.43
		2572.5 (37775)	8.31	8.21	8.53	8.29
	12RB-Middle (6)	2617.5 (38225)	8.18	8.07	8.38	8.30
		2595 (38000)	8.22	8.08	8.35	8.30
		2572.5 (37775)	8.31	8.20	8.34	8.14
	12RB-Low (0)	2617.5 (38225)	8.18	8.10	8.32	8.31
		2595 (38000)	8.24	8.18	8.37	8.22
		2572.5 (37775)	8.29	8.17	8.51	8.08
	25RB (0)	2617.5 (38225)	8.12	8.13	8.30	8.31
		2595 (38000)	8.15	8.07	8.29	8.42
		2572.5 (37775)	8.29	8.26	8.42	8.40
10MHz	1RB-High (49)	2615 (38200)	8.06	8.10	8.05	7.98
		2595 (38000)	8.01	8.19	8.22	8.40
		2575 (37800)	8.09	8.27	8.18	7.97
	1RB-Middle (24)	2615 (38200)	8.06	8.05	8.05	8.09
		2595 (38000)	8.09	8.25	8.08	8.36
		2575 (37800)	8.21	8.25	8.29	8.05
	1RB-Low (0)	2615 (38200)	8.01	8.13	8.08	8.23
		2595 (38000)	8.10	8.29	8.22	8.37
		2575 (37800)	8.23	8.35	8.31	8.40
	25RB-High (25)	2615 (38200)	8.19	8.07	8.31	8.25
		2595 (38000)	8.16	8.09	8.26	7.98
		2575 (37800)	8.24	8.17	8.38	8.10
	25RB-Middle (12)	2615 (38200)	8.19	8.12	8.32	8.01
		2595 (38000)	8.18	8.13	8.38	8.28
		2575 (37800)	8.25	8.27	8.46	8.09
	25RB-Low (0)	2615 (38200)	8.09	8.09	8.25	8.27
		2595 (38000)	8.23	8.23	8.33	7.97
		2575 (37800)	8.32	8.34	8.46	8.23
	50RB (0)	2615 (38200)	8.17	8.13	8.31	8.07
		2595 (38000)	8.17	8.12	8.31	8.40
		2575 (37800)	8.23	8.25	8.42	8.31

15MHz	1RB-High (74)	2612.5 (38175)	7.94	8.02	7.81	8.14
		2595 (38000)	7.92	8.08	7.83	7.95
		2577.5 (37825)	8.02	8.16	7.97	8.17
	1RB-Middle (37)	2612.5 (38175)	7.95	8.01	7.81	7.95
		2595 (38000)	7.99	8.15	7.96	8.12
		2577.5 (37825)	8.11	8.21	8.08	8.29
	1RB-Low (0)	2612.5 (38175)	7.92	8.04	7.87	7.97
		2595 (38000)	8.00	8.09	7.92	7.95
		2577.5 (37825)	8.04	8.20	7.97	8.21
	36RB-High (38)	2612.5 (38175)	7.95	7.83	8.08	8.22
		2595 (38000)	8.02	7.89	8.20	8.09
		2577.5 (37825)	8.08	7.97	8.31	8.18
	36RB-Middle (19)	2612.5 (38175)	8.08	7.91	8.18	8.43
		2595 (38000)	8.04	7.96	8.22	8.32
		2577.5 (37825)	8.11	8.07	8.35	7.98
	36RB-Low (0)	2612.5 (38175)	8.01	7.89	8.18	8.38
		2595 (38000)	8.14	8.01	8.27	8.05
		2577.5 (37825)	8.17	8.10	8.38	8.24
	75RB (0)	2612.5 (38175)	8.04	7.96	8.21	8.00
		2595 (38000)	8.01	8.00	8.20	8.27
		2577.5 (37825)	8.09	8.05	8.27	8.17
20MHz	1RB-High (99)	2610 (38150)	8.01	8.10	8.41	7.85
		2595 (38000)	8.01	8.10	8.41	7.85
		2580 (37850)	7.97	8.06	8.37	7.81
	1RB-Middle (50)	2610 (38150)	7.93	8.02	8.33	7.77
		2595 (38000)	7.94	8.03	8.34	7.78
		2580 (37850)	7.85	7.94	8.24	7.69
	1RB-Low (0)	2610 (38150)	7.96	8.05	8.36	7.80
		2595 (38000)	8.03	7.99	8.30	7.74
		2580 (37850)	7.83	7.92	8.22	7.67
	50RB-High (50)	2610 (38150)	8.03	8.12	8.04	7.97
		2595 (38000)	7.93	8.02	7.94	7.87
		2580 (37850)	7.97	8.06	7.98	7.91
	50RB-Middle (25)	2610 (38150)	8.05	8.14	8.06	7.99
		2595 (38000)	7.97	8.06	7.98	7.91
		2580 (37850)	7.96	8.05	7.97	7.90
	50RB-Low (0)	2610 (38150)	8.03	8.12	8.04	7.97
		2595 (38000)	7.89	7.98	7.90	7.83
		2580 (37850)	7.91	8.00	7.92	7.85
	100RB (0)	2610 (38150)	8.01	8.10	8.02	7.95
		2595 (38000)	7.93	8.02	7.94	7.87
		2580 (37850)	7.90	7.99	7.91	7.84

LTE B41-ANT1 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	24.16	23.42	22.20	18.16
		2640.3(41093)	24.05	23.43	22.10	18.11
		2593 (40620)	24.08	23.39	22.10	18.12
		2545.8(40148)	24.08	23.41	22.08	18.01
		2498.5 (39675)	23.86	23.13	21.83	18.01
	1RB-Middle (12)	2687.5 (41565)	24.18	23.27	22.12	18.04
		2640.3(41093)	24.20	23.35	22.10	18.09
		2593 (40620)	24.05	23.42	22.08	18.12
		2545.8(40148)	24.21	23.54	22.22	18.11
		2498.5 (39675)	23.81	23.21	21.84	18.08
	1RB-Low (0)	2687.5 (41565)	24.03	23.26	22.04	18.17
		2640.3(41093)	24.06	23.39	22.13	18.19
		2593 (40620)	24.02	23.34	22.10	18.21
		2545.8(40148)	24.07	23.36	22.11	18.14
		2498.5 (39675)	23.79	23.04	21.86	18.02
	12RB-High (13)	2687.5 (41565)	23.17	22.25	21.27	18.16
		2640.3(41093)	23.18	22.16	21.23	18.19
		2593 (40620)	23.07	22.05	21.18	18.19
		2545.8(40148)	23.13	22.07	21.20	18.16
		2498.5 (39675)	22.86	21.85	20.92	18.08
	12RB-Middle (6)	2687.5 (41565)	23.17	22.32	21.27	18.27
		2640.3(41093)	23.21	22.22	21.28	18.29
		2593 (40620)	23.06	22.21	21.17	18.18
		2545.8(40148)	23.22	22.20	21.29	18.24
		2498.5 (39675)	22.86	21.84	20.98	18.13
	12RB-Low (0)	2687.5 (41565)	23.16	22.24	21.23	18.22
		2640.3(41093)	23.15	22.13	21.30	18.31
		2593 (40620)	23.14	22.11	21.23	18.21
		2545.8(40148)	23.20	22.16	21.26	18.28
		2498.5 (39675)	22.90	21.87	21.01	18.06
	25RB (0)	2687.5 (41565)	23.16	22.17	21.22	18.24
		2640.3(41093)	23.16	22.18	21.23	18.29
		2593 (40620)	23.07	22.08	21.14	18.20
		2545.8(40148)	23.15	22.15	21.29	18.20
		2498.5 (39675)	22.80	21.84	20.91	18.12

10MHz	1RB-High (49)	2685 (41540)	24.00	23.42	22.08	18.19
		2639(41080)	24.13	23.34	22.05	18.15
		2593 (40620)	23.99	23.31	22.05	18.16
		2547(40160)	24.01	23.32	22.05	18.03
		2501 (39700)	23.82	23.23	21.99	18.05
	1RB-Middle (24)	2685 (41540)	24.06	23.31	22.20	18.08
		2639(41080)	24.15	23.31	22.26	18.13
		2593 (40620)	24.07	23.28	22.12	18.16
		2547(40160)	24.10	23.32	22.27	18.15
		2501 (39700)	23.82	23.07	22.04	18.02
	1RB-Low (0)	2685 (41540)	24.14	23.39	22.25	18.21
		2639(41080)	24.18	23.48	22.28	18.23
		2593 (40620)	24.10	23.40	22.18	18.25
		2547(40160)	24.19	23.42	22.24	18.18
		2501 (39700)	23.77	23.14	21.91	18.06
	25RB-High (25)	2685 (41540)	23.11	22.12	21.24	18.20
		2639(41080)	23.13	22.17	21.22	18.23
		2593 (40620)	23.12	22.12	21.20	18.23
		2547(40160)	23.18	22.16	21.20	18.20
		2501 (39700)	22.88	21.93	20.97	18.12
	25RB-Middle (12)	2685 (41540)	23.19	22.23	21.28	18.31
		2639(41080)	23.22	22.25	21.30	18.33
		2593 (40620)	23.10	22.11	21.20	18.22
		2547(40160)	23.26	22.26	21.30	18.28
		2501 (39700)	22.94	22.02	21.06	18.17
	25RB-Low (0)	2685 (41540)	23.17	22.19	21.26	18.26
		2639(41080)	23.20	22.23	21.30	18.35
		2593 (40620)	23.13	22.14	21.26	18.25
		2547(40160)	23.22	22.21	21.28	18.32
		2501 (39700)	22.94	21.97	20.99	18.10
	50RB (0)	2685 (41540)	23.18	22.25	21.21	18.28
		2639(41080)	23.22	22.22	21.26	18.33
		2593 (40620)	23.09	22.22	21.15	18.24
		2547(40160)	23.23	22.27	21.26	18.24
		2501 (39700)	22.97	22.04	20.97	18.16

15MHz	1RB-High (74)	2682.5 (41515)	23.99	23.27	21.89	18.20
		2637.8(41068)	23.99	23.23	21.87	18.17
		2593 (40620)	23.96	23.26	21.86	18.18
		2548.3(40173)	23.93	23.24	21.83	18.05
		2503.5 (39725)	23.76	23.13	21.63	18.07
	1RB-Middle (37)	2682.5 (41515)	23.89	23.17	21.77	18.10
		2637.8(41068)	23.95	23.22	21.81	18.15
		2593 (40620)	23.89	23.13	21.85	18.18
		2548.3(40173)	23.90	23.18	21.83	18.17
		2503.5 (39725)	23.69	22.95	21.66	18.04
	1RB-Low (0)	2682.5 (41515)	23.96	23.25	21.83	18.23
		2637.8(41068)	24.05	23.34	21.99	18.25
		2593 (40620)	23.96	23.29	21.90	18.27
		2548.3(40173)	24.06	23.34	21.99	18.20
		2503.5 (39725)	23.59	22.94	21.62	18.08
	36RB-High (38)	2682.5 (41515)	23.03	21.95	20.92	18.22
		2637.8(41068)	23.02	21.99	20.96	18.25
		2593 (40620)	23.02	21.96	20.97	18.25
		2548.3(40173)	23.01	21.97	20.99	18.22
		2503.5 (39725)	22.86	21.78	20.76	18.14
	36RB-Middle (19)	2682.5 (41515)	23.05	22.02	21.01	18.33
		2637.8(41068)	23.11	22.08	21.07	18.35
		2593 (40620)	23.02	21.93	20.94	18.24
		2548.3(40173)	23.11	22.07	21.02	18.30
		2503.5 (39725)	22.78	21.76	20.75	18.19
	36RB-Low (0)	2682.5 (41515)	23.07	22.01	21.00	18.28
		2637.8(41068)	23.17	22.09	21.09	18.37
		2593 (40620)	23.10	22.02	21.04	18.27
		2548.3(40173)	23.11	22.09	21.05	18.34
		2503.5 (39725)	22.80	21.76	20.76	18.12
	75RB (0)	2682.5 (41515)	23.07	22.07	21.02	18.30
		2637.8(41068)	23.11	22.13	21.05	18.35
		2593 (40620)	22.99	22.00	20.95	18.26
		2548.3(40173)	23.12	22.12	21.08	18.26
		2503.5 (39725)	22.85	21.79	20.79	18.18

20MHz	1RB-High (99)	2680 (41490)	24.14	23.37	21.85	18.19
		2636.5(41055)	24.14	23.32	21.85	18.19
		2593 (40620)	24.10	23.37	21.86	18.20
		2549.5(40185)	23.99	23.23	21.71	18.07
		2506 (39750)	23.93	23.22	21.73	18.09
	1RB-Middle (50)	2680 (41490)	24.05	23.26	21.77	18.12
		2636.5(41055)	24.09	23.29	21.83	18.17
		2593 (40620)	23.98	23.23	21.86	18.20
		2549.5(40185)	24.03	23.25	21.85	18.19
		2506 (39750)	23.81	23.09	21.69	18.06
	1RB-Low (0)	2680 (41490)	24.13	23.40	21.92	18.25
		2636.5(41055)	24.24	23.44	21.95	18.27
		2593 (40620)	24.10	23.34	21.97	18.29
		2549.5(40185)	24.27	23.33	21.89	18.22
		2506 (39750)	23.72	23.02	21.59	18.00
	50RB-High (50)	2680 (41490)	23.19	22.13	20.93	18.24
		2636.5(41055)	23.19	22.13	20.97	18.27
		2593 (40620)	23.17	22.08	20.97	18.27
		2549.5(40185)	23.14	22.08	20.93	18.24
		2506 (39750)	23.04	22.00	20.84	18.16
	50RB-Middle (25)	2680 (41490)	23.20	22.17	21.06	18.35
		2636.5(41055)	23.29	22.21	21.08	18.37
		2593 (40620)	23.17	22.12	20.96	18.26
		2549.5(40185)	23.17	22.11	21.03	18.32
		2506 (39750)	23.03	22.03	20.90	18.21
	50RB-Low (0)	2680 (41490)	23.22	22.15	21.00	18.30
		2636.5(41055)	23.33	22.26	21.11	18.39
		2593 (40620)	23.20	22.18	20.99	18.29
		2549.5(40185)	23.36	22.18	21.07	18.36
		2506 (39750)	22.95	21.91	20.82	18.14
	100RB (0)	2680 (41490)	23.21	22.14	21.02	18.32
		2636.5(41055)	23.30	22.21	21.08	18.37
		2593 (40620)	23.16	22.12	20.98	18.28
		2549.5(40185)	23.14	22.14	20.98	18.28
		2506 (39750)	23.02	22.01	20.89	18.20

LTE B41-ANT1 (Power Level B1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	10.10	10.27	10.02	9.96
		2640.3(41093)	10.25	10.42	10.09	10.08
		2593 (40620)	10.35	10.51	10.22	10.15
		2545.8(40148)	10.66	10.76	10.47	10.39
		2498.5 (39675)	10.54	10.71	10.38	10.00
	1RB-Middle (12)	2687.5 (41565)	9.97	10.17	9.92	10.43
		2640.3(41093)	10.25	10.40	10.12	10.43
		2593 (40620)	10.28	10.46	10.12	10.34
		2545.8(40148)	10.67	10.77	10.51	10.30
		2498.5 (39675)	10.79	10.66	10.43	10.14
	1RB-Low (0)	2687.5 (41565)	9.99	10.13	9.84	10.03
		2640.3(41093)	10.25	10.36	10.08	9.96
		2593 (40620)	10.30	10.42	10.14	10.44
		2545.8(40148)	10.61	10.78	10.56	10.38
		2498.5 (39675)	10.56	10.62	10.37	9.93
	12RB-High (13)	2687.5 (41565)	10.06	10.08	10.15	10.05
		2640.3(41093)	10.25	10.26	10.27	10.12
		2593 (40620)	10.34	10.32	10.38	10.45
		2545.8(40148)	10.61	10.62	10.65	10.16
		2498.5 (39675)	10.58	10.54	10.57	10.45
	12RB-Middle (6)	2687.5 (41565)	10.12	10.07	10.18	10.10
		2640.3(41093)	10.34	10.30	10.39	10.47
		2593 (40620)	10.41	10.38	10.42	10.42
		2545.8(40148)	10.74	10.68	10.74	10.03
		2498.5 (39675)	10.56	10.54	10.61	9.93
	12RB-Low (0)	2687.5 (41565)	10.10	10.11	10.13	10.38
		2640.3(41093)	10.34	10.32	10.39	10.48
		2593 (40620)	10.42	10.34	10.41	9.94
		2545.8(40148)	10.70	10.71	10.73	9.94
		2498.5 (39675)	10.62	10.55	10.56	10.48
	25RB (0)	2687.5 (41565)	10.06	10.11	10.09	10.16
		2640.3(41093)	10.33	10.33	10.28	10.02
		2593 (40620)	10.29	10.34	10.31	10.42
		2545.8(40148)	10.68	10.71	10.67	10.40
		2498.5 (39675)	10.52	10.55	10.48	10.32

10MHz	1RB-High (49)	2685 (41540)	9.94	10.16	9.92	10.17
		2639(41080)	10.16	10.35	10.06	9.93
		2593 (40620)	10.30	10.41	10.20	10.32
		2547(40160)	10.51	10.68	10.47	10.30
		2501 (39700)	10.58	10.73	10.49	10.01
	1RB-Middle (24)	2685 (41540)	10.01	10.18	9.89	10.17
		2639(41080)	10.15	10.40	10.11	10.08
		2593 (40620)	10.37	10.44	10.19	10.42
		2547(40160)	10.52	10.76	10.57	10.27
		2501 (39700)	10.56	10.67	10.42	10.50
	1RB-Low (0)	2685 (41540)	10.08	10.25	9.99	10.15
		2639(41080)	10.33	10.49	10.21	10.32
		2593 (40620)	10.46	10.51	10.28	10.22
		2547(40160)	10.67	10.82	10.61	10.19
		2501 (39700)	10.52	10.67	10.43	10.30
	25RB-High (25)	2685 (41540)	10.07	10.04	10.01	10.21
		2639(41080)	10.30	10.26	10.26	10.21
		2593 (40620)	10.37	10.39	10.34	10.48
		2547(40160)	10.63	10.62	10.57	10.13
		2501 (39700)	10.60	10.67	10.58	9.97
	25RB-Middle (12)	2685 (41540)	10.14	10.20	10.16	9.94
		2639(41080)	10.35	10.43	10.35	10.00
		2593 (40620)	10.45	10.44	10.42	10.14
		2547(40160)	10.73	10.73	10.74	10.41
		2501 (39700)	10.68	10.65	10.62	9.98
	25RB-Low (0)	2685 (41540)	10.10	10.10	10.11	10.48
		2639(41080)	10.36	10.33	10.30	10.47
		2593 (40620)	10.42	10.44	10.38	10.27
		2547(40160)	10.72	10.74	10.69	9.98
		2501 (39700)	10.61	10.59	10.61	10.14
	50RB (0)	2685 (41540)	10.13	10.14	10.16	10.40
		2639(41080)	10.35	10.38	10.34	10.17
		2593 (40620)	10.39	10.36	10.31	10.29
		2547(40160)	10.72	10.78	10.69	10.35
		2501 (39700)	10.62	10.69	10.60	9.99

15MHz	1RB-High (74)	2682.5 (41515)	9.95	10.08	9.70	10.46
		2637.8(41068)	10.11	10.24	9.86	10.16
		2593 (40620)	10.20	10.32	10.00	10.00
		2548.3(40173)	10.42	10.52	10.24	10.33
		2503.5 (39725)	10.44	10.59	10.25	10.30
	1RB-Middle (37)	2682.5 (41515)	9.83	9.99	9.69	10.43
		2637.8(41068)	10.10	10.23	9.92	10.42
		2593 (40620)	10.12	10.28	9.98	10.01
		2548.3(40173)	10.41	10.58	10.24	9.95
		2503.5 (39725)	10.34	10.51	10.20	9.94
	1RB-Low (0)	2682.5 (41515)	9.92	10.12	9.81	9.96
		2637.8(41068)	10.21	10.36	10.02	10.06
		2593 (40620)	10.21	10.39	10.07	10.03
		2548.3(40173)	10.55	10.73	10.39	10.17
		2503.5 (39725)	10.28	10.45	10.15	10.03
	36RB-High (38)	2682.5 (41515)	9.95	9.87	9.94	10.41
		2637.8(41068)	10.13	10.11	10.18	9.96
		2593 (40620)	10.21	10.16	10.20	10.07
		2548.3(40173)	10.48	10.45	10.47	10.28
		2503.5 (39725)	10.47	10.46	10.48	9.98
	36RB-Middle (19)	2682.5 (41515)	9.98	10.01	9.95	10.43
		2637.8(41068)	10.19	10.21	10.22	10.06
		2593 (40620)	10.25	10.29	10.28	10.07
		2548.3(40173)	10.57	10.53	10.56	10.01
		2503.5 (39725)	10.49	10.46	10.48	10.35
	36RB-Low (0)	2682.5 (41515)	9.97	10.00	10.02	9.96
		2637.8(41068)	10.24	10.22	10.26	10.22
		2593 (40620)	10.29	10.26	10.33	10.40
		2548.3(40173)	10.56	10.60	10.62	10.07
		2503.5 (39725)	10.44	10.45	10.50	10.30
	75RB (0)	2682.5 (41515)	10.02	10.00	10.06	10.13
		2637.8(41068)	10.22	10.27	10.25	10.46
		2593 (40620)	10.20	10.24	10.23	10.18
		2548.3(40173)	10.48	10.52	10.51	9.94
		2503.5 (39725)	10.45	10.43	10.46	10.12

20MHz	1RB-High (99)	2680 (41490)	9.78	9.93	9.56	9.93
		2636.5(41055)	9.94	10.09	9.78	10.09
		2593 (40620)	10.15	10.28	10.01	10.06
		2549.5(40185)	10.33	10.49	10.17	9.81
		2506 (39750)	10.47	10.62	10.34	10.17
	1RB-Middle (50)	2680 (41490)	9.72	9.82	9.53	10.00
		2636.5(41055)	9.97	10.16	9.83	10.03
		2593 (40620)	10.13	10.27	9.97	10.06
		2549.5(40185)	10.39	10.54	10.29	9.78
		2506 (39750)	10.36	10.50	10.19	10.25
	1RB-Low (0)	2680 (41490)	9.90	10.07	9.72	9.80
		2636.5(41055)	10.23	10.44	10.10	9.83
		2593 (40620)	10.28	10.46	10.12	10.28
		2549.5(40185)	10.44	10.65	10.30	10.02
		2506 (39750)	10.25	10.45	10.14	10.03
	50RB-High (50)	2680 (41490)	9.76	9.84	9.80	9.89
		2636.5(41055)	10.03	10.07	10.04	10.21
		2593 (40620)	10.21	10.25	10.21	10.30
		2549.5(40185)	10.42	10.49	10.44	9.79
		2506 (39750)	10.48	10.52	10.48	10.20
	50RB-Middle (25)	2680 (41490)	9.87	9.89	9.85	10.23
		2636.5(41055)	10.15	10.20	10.18	9.81
		2593 (40620)	10.19	10.26	10.22	10.02
		2549.5(40185)	10.49	10.54	10.50	10.06
		2506 (39750)	10.53	10.56	10.48	9.90
	50RB-Low (0)	2680 (41490)	9.91	9.89	9.85	9.92
		2636.5(41055)	10.17	10.28	10.14	10.27
		2593 (40620)	10.31	10.35	10.32	10.17
		2549.5(40185)	10.61	10.67	10.63	9.81
		2506 (39750)	10.47	10.50	10.47	9.80
	100RB (0)	2680 (41490)	9.88	9.95	9.98	10.08
		2636.5(41055)	10.16	10.20	10.23	9.87
		2593 (40620)	10.23	10.28	10.31	10.28
		2549.5(40185)	10.51	10.54	10.56	10.15
		2506 (39750)	10.51	10.59	10.56	9.94

LTE B41-ANT1 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	6.80	6.90	6.61	7.00
		2640.3(41093)	6.99	7.14	6.85	7.33
		2593 (40620)	7.02	7.19	6.87	6.91
		2545.8(40148)	7.31	7.48	7.15	7.25
		2498.5 (39675)	7.30	7.44	7.12	7.00
	1RB-Middle (12)	2687.5 (41565)	6.68	6.88	6.54	7.25
		2640.3(41093)	7.23	7.10	6.85	7.05
		2593 (40620)	7.10	7.14	6.90	7.10
		2545.8(40148)	7.32	7.47	7.22	7.34
		2498.5 (39675)	7.51	7.38	7.10	7.25
	1RB-Low (0)	2687.5 (41565)	6.75	6.84	6.64	7.27
		2640.3(41093)	6.98	7.14	6.82	7.34
		2593 (40620)	7.02	7.15	6.92	7.25
		2545.8(40148)	7.31	7.44	7.16	7.09
		2498.5 (39675)	7.13	7.31	7.09	7.34
	12RB-High (13)	2687.5 (41565)	6.84	6.81	6.87	7.23
		2640.3(41093)	6.97	6.93	7.00	7.18
		2593 (40620)	7.04	6.99	7.04	7.26
		2545.8(40148)	7.37	7.30	7.31	6.99
		2498.5 (39675)	7.29	7.25	7.27	7.22
	12RB-Middle (6)	2687.5 (41565)	6.85	6.82	6.90	7.01
		2640.3(41093)	7.10	7.01	7.12	6.99
		2593 (40620)	7.09	7.11	7.16	7.02
		2545.8(40148)	7.48	7.38	7.47	7.18
		2498.5 (39675)	7.28	7.18	7.25	7.07
	12RB-Low (0)	2687.5 (41565)	6.84	6.76	6.84	7.05
		2640.3(41093)	7.08	7.01	7.12	7.09
		2593 (40620)	7.09	7.06	7.14	7.00
		2545.8(40148)	7.40	7.37	7.40	7.31
		2498.5 (39675)	7.31	7.23	7.23	7.03
	25RB (0)	2687.5 (41565)	6.81	6.77	6.81	7.04
		2640.3(41093)	7.05	7.06	7.04	7.24
		2593 (40620)	7.00	7.03	6.97	7.29
		2545.8(40148)	7.47	7.44	7.38	6.98
		2498.5 (39675)	7.25	7.22	7.18	7.18

10MHz	1RB-High (49)	2685 (41540)	6.68	6.87	6.59	7.08
		2639(41080)	6.89	7.04	6.80	7.01
		2593 (40620)	7.00	7.14	6.92	7.00
		2547(40160)	7.28	7.40	7.14	7.35
		2501 (39700)	7.21	7.35	7.12	7.33
	1RB-Middle (24)	2685 (41540)	6.75	6.88	6.56	7.32
		2639(41080)	6.96	7.10	6.85	7.08
		2593 (40620)	7.04	7.13	6.91	7.19
		2547(40160)	7.39	7.46	7.14	7.07
		2501 (39700)	7.26	7.38	7.04	7.19
	1RB-Low (0)	2685 (41540)	6.82	6.94	6.68	6.97
		2639(41080)	7.06	7.20	6.98	7.01
		2593 (40620)	7.08	7.23	7.00	7.33
		2547(40160)	7.41	7.57	7.23	7.34
		2501 (39700)	7.19	7.36	7.08	7.30
	25RB-High (25)	2685 (41540)	6.78	6.79	6.75	7.02
		2639(41080)	7.01	6.99	6.99	7.12
		2593 (40620)	7.07	7.05	6.96	7.11
		2547(40160)	7.38	7.32	7.27	7.19
		2501 (39700)	7.26	7.31	7.25	6.99
	25RB-Middle (12)	2685 (41540)	6.89	6.92	6.87	7.30
		2639(41080)	7.11	7.13	7.10	7.13
		2593 (40620)	7.14	7.21	7.16	6.99
		2547(40160)	7.47	7.47	7.40	7.03
		2501 (39700)	7.33	7.33	7.33	7.11
	25RB-Low (0)	2685 (41540)	6.83	6.88	6.78	6.94
		2639(41080)	7.09	7.12	7.03	7.19
		2593 (40620)	7.11	7.11	7.07	7.33
		2547(40160)	7.44	7.41	7.38	7.24
		2501 (39700)	7.28	7.30	7.24	7.09
	50RB (0)	2685 (41540)	6.86	6.84	6.80	7.29
		2639(41080)	7.05	7.12	7.01	7.03
		2593 (40620)	7.04	7.11	7.00	7.06
		2547(40160)	7.42	7.48	7.38	7.11
		2501 (39700)	7.36	7.37	7.28	7.18

15MHz	1RB-High (74)	2682.5 (41515)	6.66	6.79	6.63	7.07
		2637.8(41068)	6.82	6.91	6.57	7.00
		2593 (40620)	6.92	7.08	6.68	7.26
		2548.3(40173)	7.12	7.27	6.94	7.24
		2503.5 (39725)	7.23	7.36	6.98	7.05
	1RB-Middle (37)	2682.5 (41515)	6.57	6.74	6.64	6.96
		2637.8(41068)	6.82	6.96	6.60	7.25
		2593 (40620)	6.87	7.03	6.70	7.34
		2548.3(40173)	7.11	7.26	7.00	6.96
		2503.5 (39725)	7.09	7.22	6.85	7.33
	1RB-Low (0)	2682.5 (41515)	6.67	6.85	6.66	7.33
		2637.8(41068)	6.96	7.10	6.78	7.29
		2593 (40620)	6.98	7.12	6.78	7.29
		2548.3(40173)	7.30	7.42	7.13	7.35
		2503.5 (39725)	7.10	7.22	6.85	7.09
	36RB-High (38)	2682.5 (41515)	6.69	6.63	6.64	6.95
		2637.8(41068)	6.86	6.85	6.89	7.31
		2593 (40620)	6.94	6.92	6.97	7.01
		2548.3(40173)	7.17	7.14	7.21	6.95
		2503.5 (39725)	7.21	7.16	7.17	7.16
	36RB-Middle (19)	2682.5 (41515)	6.73	6.69	6.73	7.35
		2637.8(41068)	6.98	6.90	6.95	7.32
		2593 (40620)	6.98	7.00	7.01	7.04
		2548.3(40173)	7.28	7.29	7.30	6.91
		2503.5 (39725)	7.22	7.17	7.19	6.93
	36RB-Low (0)	2682.5 (41515)	6.75	6.72	6.73	6.99
		2637.8(41068)	7.01	6.94	6.95	7.14
		2593 (40620)	7.04	6.99	7.04	7.22
		2548.3(40173)	7.32	7.31	7.32	7.07
		2503.5 (39725)	7.21	7.14	7.20	6.91
	75RB (0)	2682.5 (41515)	6.74	6.76	6.76	7.27
		2637.8(41068)	6.94	7.02	6.96	6.94
		2593 (40620)	6.96	6.97	6.96	7.13
		2548.3(40173)	7.20	7.23	7.21	7.33
		2503.5 (39725)	7.18	7.17	7.14	7.20

20MHz	1RB-High (99)	2680 (41490)	6.58	6.73	6.58	6.61
		2636.5(41055)	6.73	6.91	6.54	6.91
		2593 (40620)	6.95	7.08	6.75	6.75
		2549.5(40185)	7.20	7.33	6.98	6.98
		2506 (39750)	7.36	7.44	7.10	6.84
	1RB-Middle (50)	2680 (41490)	6.55	6.65	6.61	6.90
		2636.5(41055)	6.79	6.96	6.62	6.73
		2593 (40620)	6.90	7.07	6.75	6.70
		2549.5(40185)	7.22	7.33	7.03	7.15
		2506 (39750)	7.17	7.24	6.95	6.93
	1RB-Low (0)	2680 (41490)	6.73	6.86	6.53	6.98
		2636.5(41055)	7.03	7.19	6.84	7.19
		2593 (40620)	7.08	7.23	6.89	7.02
		2549.5(40185)	7.35	7.54	7.23	7.09
		2506 (39750)	7.13	7.30	6.96	7.15
	50RB-High (50)	2680 (41490)	6.61	6.64	6.61	6.73
		2636.5(41055)	6.84	6.89	6.82	6.74
		2593 (40620)	6.99	7.03	6.96	7.09
		2549.5(40185)	7.24	7.25	7.23	7.05
		2506 (39750)	7.29	7.28	7.23	7.17
	50RB-Middle (25)	2680 (41490)	6.69	6.72	6.67	7.16
		2636.5(41055)	6.99	7.02	6.95	6.72
		2593 (40620)	7.03	7.06	7.03	6.93
		2549.5(40185)	7.25	7.31	7.26	7.07
		2506 (39750)	7.33	7.35	7.28	7.02
	50RB-Low (0)	2680 (41490)	6.73	6.74	6.67	6.67
		2636.5(41055)	7.06	7.05	7.00	7.11
		2593 (40620)	7.10	7.14	7.09	6.68
		2549.5(40185)	7.39	7.45	7.34	7.06
		2506 (39750)	7.27	7.26	7.24	7.15
	100RB (0)	2680 (41490)	6.70	6.77	6.75	7.00
		2636.5(41055)	7.02	6.99	7.03	7.17
		2593 (40620)	7.00	7.06	7.09	6.62
		2549.5(40185)	7.27	7.30	7.33	6.62
		2506 (39750)	7.37	7.33	7.35	6.94

LTE B41-ANT4 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	23.41	22.74	21.64	18.21
		2640.3(41093)	23.42	22.70	21.63	18.18
		2593 (40620)	23.37	22.67	21.58	18.16
		2545.8(40148)	23.30	22.62	21.56	18.31
		2498.5 (39675)	23.23	22.53	21.43	18.18
	1RB-Middle (12)	2687.5 (41565)	23.52	22.72	21.69	18.17
		2640.3(41093)	23.41	22.68	21.61	18.04
		2593 (40620)	23.42	22.70	21.63	18.27
		2545.8(40148)	23.35	22.61	21.54	18.27
		2498.5 (39675)	23.33	22.54	21.47	18.22
	1RB-Low (0)	2687.5 (41565)	23.46	22.78	21.68	18.24
		2640.3(41093)	23.42	22.68	21.61	18.21
		2593 (40620)	23.41	22.73	21.67	18.22
		2545.8(40148)	23.31	22.61	21.56	18.12
		2498.5 (39675)	23.26	22.54	21.49	18.04
	12RB-High (13)	2687.5 (41565)	22.49	21.53	20.96	18.17
		2640.3(41093)	22.46	21.52	20.96	18.26
		2593 (40620)	22.42	21.48	20.90	18.30
		2545.8(40148)	22.42	21.43	20.86	18.13
		2498.5 (39675)	22.32	21.37	20.81	18.28
	12RB-Middle (6)	2687.5 (41565)	22.52	21.56	21.02	18.29
		2640.3(41093)	22.47	21.51	20.95	18.07
		2593 (40620)	22.45	21.56	20.97	18.28
		2545.8(40148)	22.41	21.46	20.88	18.31
		2498.5 (39675)	22.33	21.37	20.81	18.22
	12RB-Low (0)	2687.5 (41565)	22.54	21.61	21.05	18.13
		2640.3(41093)	22.51	21.54	21.02	18.34
		2593 (40620)	22.51	21.56	21.00	18.06
		2545.8(40148)	22.45	21.48	20.89	18.32
		2498.5 (39675)	22.37	21.40	20.81	18.07
	25RB (0)	2687.5 (41565)	22.55	21.65	21.06	18.16
		2640.3(41093)	22.54	21.62	21.04	18.08
		2593 (40620)	22.51	21.57	21.00	18.24
		2545.8(40148)	22.45	21.55	20.94	18.32
		2498.5 (39675)	22.36	21.44	20.88	18.22

10MHz	1RB-High (49)	2685 (41540)	23.38	22.68	21.59	18.33
		2639(41080)	23.39	22.65	21.58	18.34
		2593 (40620)	23.31	22.64	21.54	18.06
		2547(40160)	23.29	22.63	21.53	18.27
		2501 (39700)	23.16	22.47	21.40	18.24
	1RB-Middle (24)	2685 (41540)	23.46	22.76	21.66	18.26
		2639(41080)	23.40	22.68	21.58	18.30
		2593 (40620)	23.39	22.72	21.64	18.12
		2547(40160)	23.31	22.63	21.57	18.09
		2501 (39700)	23.20	22.50	21.40	18.26
	1RB-Low (0)	2685 (41540)	23.44	22.76	21.68	18.25
		2639(41080)	23.35	22.66	21.60	18.08
		2593 (40620)	23.40	22.72	21.64	18.13
		2547(40160)	23.28	22.59	21.52	18.20
		2501 (39700)	23.20	22.51	21.45	18.05
	25RB-High (25)	2685 (41540)	22.50	21.58	21.04	18.27
		2639(41080)	22.54	21.58	21.03	18.27
		2593 (40620)	22.49	21.56	20.96	18.18
		2547(40160)	22.44	21.50	20.98	18.12
		2501 (39700)	22.32	21.41	20.82	18.21
	25RB-Middle (12)	2685 (41540)	22.53	21.62	21.08	18.34
		2639(41080)	22.50	21.53	21.04	18.18
		2593 (40620)	22.51	21.57	21.02	18.11
		2547(40160)	22.44	21.53	20.97	18.16
		2501 (39700)	22.32	21.42	20.85	18.15
	25RB-Low (0)	2685 (41540)	22.59	21.65	21.12	18.18
		2639(41080)	22.50	21.55	21.02	18.25
		2593 (40620)	22.53	21.60	21.06	18.12
		2547(40160)	22.44	21.52	20.94	18.16
		2501 (39700)	22.32	21.39	20.82	18.30
	50RB (0)	2685 (41540)	22.57	21.69	21.02	18.34
		2639(41080)	22.53	21.65	20.97	18.32
		2593 (40620)	22.54	21.64	20.98	18.31
		2547(40160)	22.44	21.56	20.88	18.15
		2501 (39700)	22.35	21.48	20.79	18.08

15MHz	1RB-High (74)	2682.5 (41515)	23.30	22.64	21.55	18.28
		2637.8(41068)	23.33	22.64	21.55	18.30
		2593 (40620)	23.24	22.58	21.50	18.31
		2548.3(40173)	23.27	22.62	21.52	18.25
		2503.5 (39725)	23.06	22.41	21.33	18.04
	1RB-Middle (37)	2682.5 (41515)	23.39	22.71	21.63	18.09
		2637.8(41068)	23.36	22.64	21.57	18.20
		2593 (40620)	23.34	22.68	21.59	18.16
		2548.3(40173)	23.30	22.62	21.54	18.10
		2503.5 (39725)	23.14	22.49	21.39	18.08
	1RB-Low (0)	2682.5 (41515)	23.38	22.72	21.66	18.29
		2637.8(41068)	23.32	22.63	21.56	18.31
		2593 (40620)	23.35	22.70	21.65	18.34
		2548.3(40173)	23.21	22.56	21.48	18.05
		2503.5 (39725)	23.13	22.47	21.38	18.30
	36RB-High (38)	2682.5 (41515)	22.47	21.56	20.91	18.05
		2637.8(41068)	22.48	21.52	20.92	18.24
		2593 (40620)	22.40	21.49	20.87	18.27
		2548.3(40173)	22.40	21.45	20.83	18.33
		2503.5 (39725)	22.27	21.37	20.72	18.15
	36RB-Middle (19)	2682.5 (41515)	22.49	21.57	20.99	18.15
		2637.8(41068)	22.45	21.50	20.90	18.34
		2593 (40620)	22.46	21.52	20.93	18.27
		2548.3(40173)	22.40	21.46	20.87	18.30
		2503.5 (39725)	22.26	21.35	20.68	18.32
	36RB-Low (0)	2682.5 (41515)	22.55	21.61	21.00	18.27
		2637.8(41068)	22.46	21.51	20.93	18.07
		2593 (40620)	22.48	21.58	20.93	18.32
		2548.3(40173)	22.40	21.45	20.85	18.27
		2503.5 (39725)	22.25	21.33	20.72	18.07
	75RB (0)	2682.5 (41515)	22.57	21.66	21.00	18.27
		2637.8(41068)	22.52	21.61	20.99	18.26
		2593 (40620)	22.47	21.59	20.93	18.22
		2548.3(40173)	22.41	21.50	20.88	18.30
		2503.5 (39725)	22.27	21.37	20.75	18.18

20MHz	1RB-High (99)	2680 (41490)	23.17	22.48	21.42	18.09
		2636.5(41055)	23.40	22.64	21.58	18.22
		2593 (40620)	23.29	22.60	21.53	18.18
		2549.5(40185)	23.39	22.69	21.62	18.26
		2506 (39750)	23.23	22.54	21.48	18.14
	1RB-Middle (50)	2680 (41490)	23.14	22.45	21.39	18.07
		2636.5(41055)	23.24	22.55	21.48	18.14
		2593 (40620)	23.20	22.51	21.45	18.11
		2549.5(40185)	23.26	22.57	21.50	18.16
		2506 (39750)	23.07	22.38	21.33	18.01
	1RB-Low (0)	2680 (41490)	23.28	22.59	21.52	18.18
		2636.5(41055)	23.36	22.66	21.60	18.24
		2593 (40620)	23.27	22.58	21.51	18.17
		2549.5(40185)	23.30	22.61	21.54	18.19
		2506 (39750)	23.06	22.37	21.32	18.00
	50RB-High (50)	2680 (41490)	22.21	21.48	20.38	18.15
		2636.5(41055)	22.32	21.59	20.48	18.24
		2593 (40620)	22.33	21.60	20.49	18.24
		2549.5(40185)	22.36	21.63	20.52	18.27
		2506 (39750)	22.23	21.50	20.40	18.16
	50RB-Middle (25)	2680 (41490)	22.30	21.57	20.46	18.22
		2636.5(41055)	22.48	21.72	20.60	18.34
		2593 (40620)	22.42	21.69	20.57	18.32
		2549.5(40185)	22.47	21.74	20.62	18.36
		2506 (39750)	22.30	21.57	20.46	18.22
	50RB-Low (0)	2680 (41490)	22.34	21.61	20.50	18.25
		2636.5(41055)	22.46	21.73	20.61	18.35
		2593 (40620)	22.39	21.66	20.55	18.29
		2549.5(40185)	22.42	21.69	20.57	18.32
		2506 (39750)	22.25	21.52	20.42	18.18
	100RB (0)	2680 (41490)	22.35	21.62	20.51	18.26
		2636.5(41055)	22.49	21.76	20.64	18.37
		2593 (40620)	22.42	21.69	20.57	18.32
		2549.5(40185)	22.47	21.74	20.62	18.36
		2506 (39750)	22.29	21.56	20.46	18.21

LTE B41-ANT4 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
5MHz	1RB-High (24)	2687.5 (41565)	8.14	8.18	7.94	8.23
		2640.3(41093)	8.17	8.27	8.22	7.93
		2593 (40620)	8.21	7.63	8.05	8.12
		2545.8(40148)	7.85	7.97	7.68	7.83
		2498.5 (39675)	7.84	7.92	7.65	8.23
	1RB-Middle (12)	2687.5 (41565)	8.00	8.16	7.85	7.83
		2640.3(41093)	7.76	8.22	8.22	8.29
		2593 (40620)	8.30	8.27	8.08	7.65
		2545.8(40148)	7.87	7.96	7.77	7.94
		2498.5 (39675)	8.09	7.85	7.62	7.83
	1RB-Low (0)	2687.5 (41565)	8.08	8.11	7.97	7.85
		2640.3(41093)	8.16	8.27	8.19	7.94
		2593 (40620)	8.21	8.28	8.11	7.83
		2545.8(40148)	7.85	7.92	7.70	7.64
		2498.5 (39675)	7.64	7.77	7.61	7.94
	12RB-High (13)	2687.5 (41565)	8.19	8.07	8.05	7.81
		2640.3(41093)	8.15	8.22	8.20	7.75
		2593 (40620)	8.23	8.09	8.25	7.84
		2545.8(40148)	7.93	7.76	7.88	8.22
		2498.5 (39675)	7.83	7.70	7.83	7.79
	12RB-Middle (6)	2687.5 (41565)	8.20	8.09	8.08	8.24
		2640.3(41093)	8.30	8.11	7.65	8.22
		2593 (40620)	8.29	8.23	7.70	8.25
		2545.8(40148)	8.06	7.85	8.07	7.75
		2498.5 (39675)	7.82	7.61	7.80	7.61
	12RB-Low (0)	2687.5 (41565)	8.19	8.02	8.21	8.29
		2640.3(41093)	8.28	8.11	7.65	7.64
		2593 (40620)	8.29	8.17	7.67	8.23
		2545.8(40148)	7.96	7.84	7.98	7.90
		2498.5 (39675)	7.85	7.67	7.78	8.27
	25RB (0)	2687.5 (41565)	8.16	8.03	8.18	8.28
		2640.3(41093)	8.24	8.17	8.25	7.82
		2593 (40620)	8.18	8.14	8.17	7.88
		2545.8(40148)	8.05	7.92	7.96	8.21
		2498.5 (39675)	7.78	7.66	7.72	7.75

10MHz	1RB-High (49)	2685 (41540)	8.00	8.15	7.91	7.63
		2639(41080)	8.05	8.15	8.16	8.24
		2593 (40620)	8.18	8.27	8.11	8.23
		2547(40160)	7.82	7.87	7.67	7.95
		2501 (39700)	7.73	7.82	7.65	7.93
	1RB-Middle (24)	2685 (41540)	8.08	8.16	7.88	7.92
		2639(41080)	8.14	8.22	8.22	7.63
		2593 (40620)	8.23	8.25	8.10	7.76
		2547(40160)	7.95	7.95	7.67	7.61
		2501 (39700)	7.79	7.85	8.25	7.76
	1RB-Low (0)	2685 (41540)	8.17	8.03	8.02	8.19
		2639(41080)	8.25	7.64	8.18	8.24
		2593 (40620)	8.28	7.67	8.20	7.93
		2547(40160)	7.97	8.08	7.78	7.94
		2501 (39700)	7.71	7.83	8.30	7.89
	25RB-High (25)	2685 (41540)	8.12	8.05	8.10	8.25
		2639(41080)	8.19	8.09	8.19	7.67
		2593 (40620)	8.27	8.16	8.16	7.66
		2547(40160)	7.94	7.78	7.83	7.76
		2501 (39700)	7.79	7.77	7.80	8.22
	25RB-Middle (12)	2685 (41540)	8.05	8.21	8.05	7.89
		2639(41080)	7.61	8.25	7.62	7.69
		2593 (40620)	7.65	7.65	7.70	8.22
		2547(40160)	8.05	7.96	7.98	8.27
		2501 (39700)	7.88	7.79	7.90	7.66
	25RB-Low (0)	2685 (41540)	8.18	8.16	8.14	8.16
		2639(41080)	8.29	8.24	8.24	7.76
		2593 (40620)	7.61	8.23	8.29	7.93
		2547(40160)	8.01	7.89	7.96	7.82
		2501 (39700)	7.82	7.76	7.79	7.64
	50RB (0)	2685 (41540)	8.22	8.11	8.16	7.88
		2639(41080)	8.24	8.24	8.22	8.27
		2593 (40620)	8.23	8.23	8.20	8.30
		2547(40160)	7.99	7.97	7.96	7.66
		2501 (39700)	7.91	7.84	7.84	7.75

15MHz	1RB-High (74)	2682.5 (41515)	7.98	8.05	7.96	7.61
		2637.8(41068)	8.17	8.19	7.89	8.23
		2593 (40620)	8.09	8.20	8.02	7.84
		2548.3(40173)	7.63	7.72	8.13	7.82
		2503.5 (39725)	7.76	7.83	8.18	8.29
	1RB-Middle (37)	2682.5 (41515)	7.87	7.99	7.97	8.18
		2637.8(41068)	8.17	8.05	7.92	7.83
		2593 (40620)	8.03	8.14	8.04	7.94
		2548.3(40173)	7.61	7.71	8.20	8.18
		2503.5 (39725)	8.29	7.66	8.22	7.93
	1RB-Low (0)	2682.5 (41515)	7.99	8.12	8.00	7.93
		2637.8(41068)	8.14	8.22	8.14	7.88
		2593 (40620)	8.16	8.24	8.14	7.88
		2548.3(40173)	7.84	7.90	7.66	7.95
		2503.5 (39725)	8.30	7.66	8.22	7.64
	36RB-High (38)	2682.5 (41515)	8.01	7.86	7.97	8.17
		2637.8(41068)	8.22	8.12	8.07	7.90
		2593 (40620)	8.11	8.21	8.17	8.24
		2548.3(40173)	7.69	8.27	7.76	8.17
		2503.5 (39725)	7.73	8.29	7.71	7.72
	36RB-Middle (19)	2682.5 (41515)	8.06	7.93	8.08	7.95
		2637.8(41068)	8.16	8.18	8.14	7.92
		2593 (40620)	8.16	8.10	8.22	8.28
		2548.3(40173)	7.82	7.74	7.86	8.12
		2503.5 (39725)	7.75	8.30	7.73	8.15
	36RB-Low (0)	2682.5 (41515)	8.08	7.97	8.08	8.22
		2637.8(41068)	8.19	8.03	8.14	7.70
		2593 (40620)	8.23	8.09	8.25	7.79
		2548.3(40173)	7.87	7.77	7.89	7.61
		2503.5 (39725)	7.73	8.27	7.74	8.12
	75RB (0)	2682.5 (41515)	8.07	8.02	8.12	7.85
		2637.8(41068)	8.11	8.12	8.16	8.16
		2593 (40620)	8.14	8.06	8.16	7.69
		2548.3(40173)	7.72	7.67	7.76	7.93
		2503.5 (39725)	7.70	8.30	7.67	7.77

20MHz	1RB-High (99)	2680 (41490)	7.88	7.98	7.90	7.96
		2636.5(41055)	7.96	8.06	7.98	8.04
		2593 (40620)	7.96	8.06	7.98	8.04
		2549.5(40185)	7.96	8.06	7.98	8.04
		2506 (39750)	7.89	7.99	7.91	7.97
	1RB-Middle (50)	2680 (41490)	7.83	7.93	7.85	7.91
		2636.5(41055)	7.87	7.97	7.89	7.95
		2593 (40620)	7.83	7.93	7.85	7.91
		2549.5(40185)	7.82	7.92	7.84	7.90
		2506 (39750)	7.73	7.83	7.75	7.81
	1RB-Low (0)	2680 (41490)	7.97	8.07	7.99	8.05
		2636.5(41055)	7.98	8.08	8.00	8.06
		2593 (40620)	7.99	8.03	7.95	8.01
		2549.5(40185)	7.89	7.99	7.91	7.97
		2506 (39750)	7.79	7.89	7.81	7.87
	50RB-High (50)	2680 (41490)	8.01	8.11	8.03	8.09
		2636.5(41055)	8.06	8.16	8.08	8.14
		2593 (40620)	7.88	7.98	7.90	7.96
		2549.5(40185)	7.93	8.03	7.95	8.01
		2506 (39750)	7.83	7.93	7.85	7.91
	50RB-Middle (25)	2680 (41490)	7.98	8.08	8.00	8.06
		2636.5(41055)	8.06	8.16	8.08	8.14
		2593 (40620)	8.01	8.11	8.03	8.09
		2549.5(40185)	7.99	8.09	8.01	8.07
		2506 (39750)	7.80	7.90	7.82	7.88
	50RB-Low (0)	2680 (41490)	8.01	8.11	8.03	8.09
		2636.5(41055)	8.01	8.11	8.03	8.09
		2593 (40620)	7.95	8.05	7.97	8.03
		2549.5(40185)	7.95	8.05	7.97	8.03
		2506 (39750)	7.81	7.91	7.83	7.89
	100RB (0)	2680 (41490)	8.02	8.12	8.04	8.10
		2636.5(41055)	8.03	8.13	8.05	8.11
		2593 (40620)	8.00	8.10	8.02	8.08
		2549.5(40185)	7.99	8.09	8.01	8.07
		2506 (39750)	7.78	7.88	7.80	7.86

LTE B66-ANT0 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	23.66	22.93	21.95	18.30
		1745 (132322)	23.72	23.27	22.07	18.30
		1710.7 (131979)	23.80	23.11	22.04	18.27
	1RB-Middle (3)	1779.3 (132665)	23.67	23.01	22.12	18.02
		1745 (132322)	23.61	23.10	22.24	18.15
		1710.7 (131979)	23.60	23.10	22.23	18.43
	1RB-Low (0)	1779.3 (132665)	23.58	23.08	22.02	18.27
		1745 (132322)	23.76	23.12	22.16	18.24
		1710.7 (131979)	23.60	23.10	22.12	18.32
	3RB-High (3)	1779.3 (132665)	23.75	22.83	21.89	18.18
		1745 (132322)	23.79	22.94	22.05	18.11
		1710.7 (131979)	23.59	22.90	22.00	18.16
	3RB-Middle (1)	1779.3 (132665)	23.77	22.85	22.00	18.18
		1745 (132322)	23.65	22.77	22.23	18.09
		1710.7 (131979)	23.66	23.00	22.10	18.17
	3RB-Low (0)	1779.3 (132665)	23.72	23.01	21.94	18.11
		1745 (132322)	23.60	23.02	21.97	18.14
		1710.7 (131979)	23.62	22.95	22.06	18.13
	6RB (0)	1779.3 (132665)	22.78	21.92	20.89	18.01
		1745 (132322)	22.89	21.96	20.91	18.10
		1710.7 (131979)	22.85	21.94	20.84	18.18
3MHz	1RB-High (14)	1778.5 (132657)	23.72	23.31	22.12	18.28
		1745 (132322)	23.65	23.06	22.24	18.28
		1711.5 (131987)	23.70	23.34	22.13	18.25
	1RB-Middle (7)	1778.5 (132657)	23.64	23.49	21.75	18.00
		1745 (132322)	23.58	23.40	22.08	18.13
		1711.5 (131987)	23.78	23.29	21.92	18.41
	1RB-Low (0)	1778.5 (132657)	23.65	23.10	21.99	18.25
		1745 (132322)	23.64	23.39	22.16	18.22
		1711.5 (131987)	23.74	23.29	22.01	18.30
	8RB-High (7)	1778.5 (132657)	22.91	21.92	21.03	18.16
		1745 (132322)	22.94	22.03	20.99	18.09
		1711.5 (131987)	22.98	22.01	21.05	18.14
	8RB-Middle (4)	1778.5 (132657)	22.96	22.05	21.05	18.16
		1745 (132322)	23.05	22.01	20.97	18.07
		1711.5 (131987)	23.12	22.17	21.15	18.15
	8RB-Low (0)	1778.5 (132657)	22.87	21.92	20.98	18.09
		1745 (132322)	22.91	21.93	21.06	18.12
		1711.5 (131987)	23.00	22.05	20.99	18.11
	15RB (0)	1778.5 (132657)	22.83	21.96	20.83	17.99
		1745 (132322)	22.94	21.85	20.97	18.08
		1711.5 (131987)	23.03	22.00	20.97	18.16

5MHz	1RB-High (24)	1777.5 (132647)	23.68	23.09	22.04	18.32
		1745 (132322)	23.67	23.32	22.19	18.32
		1712.5 (131997)	23.71	23.38	22.13	18.29
	1RB-Middle (12)	1777.5 (132647)	23.71	23.18	21.91	18.04
		1745 (132322)	23.60	23.17	22.03	18.17
		1712.5 (131997)	23.67	22.96	21.94	18.45
	1RB-Low (0)	1777.5 (132647)	23.79	23.24	21.87	18.29
		1745 (132322)	23.76	23.27	22.19	18.26
		1712.5 (131997)	23.71	23.33	22.18	18.34
	12RB-High (13)	1777.5 (132647)	22.91	21.98	20.95	18.20
		1745 (132322)	23.04	22.14	20.97	18.13
		1712.5 (131997)	23.04	21.84	20.97	18.18
	12RB-Middle (6)	1777.5 (132647)	22.92	21.96	20.97	18.20
		1745 (132322)	22.92	22.04	20.95	18.11
		1712.5 (131997)	23.04	22.09	21.00	18.19
	12RB-Low (0)	1777.5 (132647)	22.93	22.03	21.03	18.13
		1745 (132322)	22.97	22.02	20.91	18.16
		1712.5 (131997)	22.99	22.02	21.06	18.15
	25RB (0)	1777.5 (132647)	22.91	21.94	20.97	18.03
		1745 (132322)	22.95	21.99	21.03	18.12
		1712.5 (131997)	22.99	22.02	21.03	18.20
10MHz	1RB-High (49)	1775 (132622)	23.71	23.44	22.07	18.36
		1745 (132322)	23.62	23.26	22.17	18.36
		1715 (132022)	23.68	23.39	22.00	18.33
	1RB-Middle (24)	1775 (132622)	23.66	23.19	22.01	18.08
		1745 (132322)	23.58	23.10	22.11	18.21
		1715 (132022)	23.64	23.11	22.28	18.49
	1RB-Low (0)	1775 (132622)	23.56	23.44	22.05	18.33
		1745 (132322)	23.59	23.34	22.09	18.30
		1715 (132022)	23.73	23.38	22.16	18.38
	25RB-High (25)	1775 (132622)	23.04	21.99	20.94	18.24
		1745 (132322)	23.05	22.15	21.09	18.17
		1715 (132022)	23.02	21.96	20.99	18.22
	25RB-Middle (12)	1775 (132622)	22.92	21.94	20.96	18.24
		1745 (132322)	22.96	22.06	21.00	18.15
		1715 (132022)	23.04	22.03	21.18	18.23
	25RB-Low (0)	1775 (132622)	22.99	21.97	20.90	18.17
		1745 (132322)	22.86	21.94	21.01	18.20
		1715 (132022)	23.03	22.07	21.09	18.19
	50RB (0)	1775 (132622)	22.96	21.95	20.90	18.07
		1745 (132322)	22.86	21.94	20.93	18.16
		1715 (132022)	23.05	22.07	20.93	18.24

15MHz	1RB-High (74)	1772.5 (132597)	23.68	23.02	22.21	18.40
		1745 (132322)	23.71	23.12	22.23	18.40
		1717.5 (132047)	23.74	23.19	22.18	18.37
	1RB-Middle (37)	1772.5 (132597)	23.64	23.15	22.05	18.12
		1745 (132322)	23.73	23.24	22.12	18.25
		1717.5 (132047)	23.79	23.12	22.29	18.53
	1RB-Low (0)	1772.5 (132597)	23.70	23.23	22.17	18.37
		1745 (132322)	23.79	23.14	22.17	18.34
		1717.5 (132047)	23.77	23.16	22.10	18.42
	36RB-High (38)	1772.5 (132597)	22.83	21.87	20.91	18.28
		1745 (132322)	22.86	21.92	20.97	18.21
		1717.5 (132047)	23.02	21.90	20.94	18.26
	36RB-Middle (19)	1772.5 (132597)	22.87	21.85	20.85	18.28
		1745 (132322)	22.75	21.84	20.88	18.19
		1717.5 (132047)	22.96	21.96	20.99	18.27
	36RB-Low (0)	1772.5 (132597)	22.74	21.77	20.77	18.21
		1745 (132322)	22.83	21.85	20.79	18.24
		1717.5 (132047)	22.84	21.82	20.85	18.23
	75RB (0)	1772.5 (132597)	22.72	21.84	20.81	18.11
		1745 (132322)	22.75	21.87	20.81	18.20
		1717.5 (132047)	22.89	21.98	20.91	18.28
20MHz	1RB-High (99)	1770 (132572)	23.29	22.88	21.76	18.44
		1745 (132322)	23.32	22.63	21.76	18.44
		1720 (132072)	23.36	22.57	21.72	18.41
	1RB-Middle (50)	1770 (132572)	23.24	22.53	21.43	18.16
		1745 (132322)	23.23	22.50	21.58	18.29
		1720 (132072)	23.39	22.76	21.91	18.57
	1RB-Low (0)	1770 (132572)	23.22	22.59	21.73	18.41
		1745 (132322)	23.40	22.66	21.69	18.38
		1720 (132072)	23.37	22.67	21.79	18.46
	50RB-High (50)	1770 (132572)	22.49	21.44	20.48	18.32
		1745 (132322)	22.44	21.37	20.41	18.25
		1720 (132072)	22.45	21.41	20.46	18.30
	50RB-Middle (25)	1770 (132572)	22.31	21.34	20.49	18.32
		1745 (132322)	22.31	21.35	20.38	18.23
		1720 (132072)	22.52	21.47	20.47	18.31
	50RB-Low (0)	1770 (132572)	22.25	21.32	20.41	18.25
		1745 (132322)	22.34	21.35	20.44	18.28
		1720 (132072)	22.44	21.44	20.43	18.27
	100RB (0)	1770 (132572)	22.29	21.33	20.29	18.15
		1745 (132322)	22.25	21.41	20.40	18.24
		1720 (132072)	22.51	21.51	20.49	18.32

LTE B66-ANT0 (Power Level B1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	12.86	13.16	13.14	12.86
		1745 (132322)	12.75	13.06	12.94	12.92
		1710.7 (131979)	12.72	13.00	12.99	13.16
	1RB-Middle (3)	1779.3 (132665)	12.94	13.27	13.31	12.90
		1745 (132322)	12.89	13.18	13.05	12.87
		1710.7 (131979)	12.68	13.03	13.04	13.20
	1RB-Low (0)	1779.3 (132665)	12.86	13.26	13.09	12.88
		1745 (132322)	12.69	12.98	13.10	12.95
		1710.7 (131979)	12.72	13.05	12.94	12.87
	3RB-High (3)	1779.3 (132665)	12.88	12.95	13.09	13.06
		1745 (132322)	12.80	12.86	12.95	13.16
		1710.7 (131979)	12.82	12.80	12.90	12.85
	3RB-Middle (1)	1779.3 (132665)	12.94	12.91	13.18	13.07
		1745 (132322)	12.71	12.62	12.95	12.94
		1710.7 (131979)	12.79	12.69	12.94	13.00
	3RB-Low (0)	1779.3 (132665)	12.91	12.99	12.98	12.89
		1745 (132322)	12.77	12.82	12.81	13.04
		1710.7 (131979)	12.74	12.79	12.82	13.16
	6RB (0)	1779.3 (132665)	12.99	13.12	12.97	13.02
		1745 (132322)	12.78	12.91	12.84	13.17
		1710.7 (131979)	12.86	12.89	12.85	12.98
3MHz	1RB-High (14)	1778.5 (132657)	13.02	13.35	13.24	12.87
		1745 (132322)	12.84	13.14	13.03	12.90
		1711.5 (131987)	12.84	13.18	13.00	13.11
	1RB-Middle (7)	1778.5 (132657)	12.94	13.25	13.15	13.07
		1745 (132322)	12.78	13.21	12.90	13.07
		1711.5 (131987)	12.80	13.04	12.96	13.16
	1RB-Low (0)	1778.5 (132657)	13.01	13.36	13.16	12.81
		1745 (132322)	12.84	13.12	12.91	12.97
		1711.5 (131987)	12.90	13.20	13.12	12.89
	8RB-High (7)	1778.5 (132657)	13.14	13.11	13.10	12.96
		1745 (132322)	12.84	12.95	12.91	13.19
		1711.5 (131987)	12.89	12.93	13.07	12.85
	8RB-Middle (4)	1778.5 (132657)	13.04	13.14	12.97	12.88
		1745 (132322)	12.88	13.00	12.86	13.10
		1711.5 (131987)	12.91	13.02	12.97	12.98
	8RB-Low (0)	1778.5 (132657)	12.92	13.10	13.06	12.94
		1745 (132322)	12.84	12.81	12.91	13.01
		1711.5 (131987)	12.87	12.99	12.99	13.17
	15RB (0)	1778.5 (132657)	13.04	12.92	13.00	12.99
		1745 (132322)	12.87	12.93	12.91	13.20
		1711.5 (131987)	12.90	12.96	12.94	12.92

5MHz	1RB-High (24)	1777.5 (132647)	12.97	13.33	13.18	12.95
		1745 (132322)	12.81	13.21	13.13	12.87
		1712.5 (131997)	12.96	13.14	13.03	13.20
	1RB-Middle (12)	1777.5 (132647)	12.89	13.29	13.11	13.10
		1745 (132322)	12.78	13.07	12.97	13.10
		1712.5 (131997)	12.75	13.15	13.01	13.13
	1RB-Low (0)	1777.5 (132647)	12.94	13.26	13.19	12.97
		1745 (132322)	12.78	13.28	12.95	12.91
		1712.5 (131997)	12.88	13.22	13.14	13.10
	12RB-High (13)	1777.5 (132647)	13.09	13.13	13.10	12.94
		1745 (132322)	12.87	12.93	12.84	13.12
		1712.5 (131997)	12.89	12.98	12.96	13.10
	12RB-Middle (6)	1777.5 (132647)	13.07	13.03	12.89	13.11
		1745 (132322)	12.87	12.84	12.88	13.13
		1712.5 (131997)	13.04	13.03	13.01	13.03
	12RB-Low (0)	1777.5 (132647)	12.98	13.05	12.65	13.02
		1745 (132322)	12.89	12.96	12.88	13.05
		1712.5 (131997)	12.94	13.02	12.98	12.84
	25RB (0)	1777.5 (132647)	12.98	13.11	13.00	13.18
		1745 (132322)	12.98	12.95	12.94	12.98
		1712.5 (131997)	12.96	12.95	12.94	13.06
10MHz	1RB-High (49)	1775 (132622)	12.78	13.29	13.14	13.06
		1745 (132322)	12.84	13.24	12.99	13.10
		1715 (132022)	12.80	13.30	13.10	12.96
	1RB-Middle (24)	1775 (132622)	12.89	13.12	13.09	13.05
		1745 (132322)	12.68	13.01	13.03	12.80
		1715 (132022)	12.87	13.02	13.00	13.17
	1RB-Low (0)	1775 (132622)	12.87	13.29	13.06	13.22
		1745 (132322)	12.79	13.16	12.87	13.11
		1715 (132022)	12.78	13.27	12.98	13.22
	25RB-High (25)	1775 (132622)	13.05	13.10	13.01	12.88
		1745 (132322)	12.93	12.96	12.88	12.86
		1715 (132022)	12.89	12.96	13.03	13.00
	25RB-Middle (12)	1775 (132622)	13.10	13.13	13.14	12.95
		1745 (132322)	12.90	12.89	12.94	13.14
		1715 (132022)	12.99	13.06	12.94	13.06
	25RB-Low (0)	1775 (132622)	12.99	12.94	12.89	13.13
		1745 (132322)	12.83	12.89	12.98	12.92
		1715 (132022)	12.98	12.96	12.88	13.00
	50RB (0)	1775 (132622)	13.11	13.09	13.16	13.05
		1745 (132322)	12.95	12.95	12.91	12.84
		1715 (132022)	12.99	13.02	12.89	12.86

15MHz	1RB-High (74)	1772.5 (132597)	12.76	13.20	13.18	12.89
		1745 (132322)	12.63	13.12	13.01	13.20
		1717.5 (132047)	12.68	13.11	13.02	12.81
	1RB-Middle (37)	1772.5 (132597)	12.74	13.19	13.14	12.94
		1745 (132322)	12.70	13.04	13.02	13.14
		1717.5 (132047)	12.66	12.98	12.99	13.07
	1RB-Low (0)	1772.5 (132597)	12.75	13.19	13.07	13.11
		1745 (132322)	12.66	13.02	12.93	12.83
		1717.5 (132047)	12.60	13.07	12.89	13.16
	36RB-High (38)	1772.5 (132597)	12.95	12.92	12.96	12.87
		1745 (132322)	12.79	12.80	12.82	12.82
		1717.5 (132047)	12.80	12.77	12.92	13.03
	36RB-Middle (19)	1772.5 (132597)	12.98	12.95	12.91	13.02
		1745 (132322)	12.73	12.73	12.75	12.93
		1717.5 (132047)	12.83	12.89	12.95	12.83
	36RB-Low (0)	1772.5 (132597)	12.84	12.89	12.73	13.00
		1745 (132322)	12.67	12.84	12.66	12.98
		1717.5 (132047)	12.74	12.76	12.79	12.81
	75RB (0)	1772.5 (132597)	12.90	13.01	12.93	12.94
		1745 (132322)	12.76	12.86	12.87	13.05
		1717.5 (132047)	12.75	12.88	12.92	13.22
20MHz	1RB-High (99)	1770 (132572)	12.89	13.30	13.18	13.01
		1745 (132322)	12.79	13.04	13.09	13.03
		1720 (132072)	12.77	13.15	13.02	13.04
	1RB-Middle (50)	1770 (132572)	12.78	13.13	13.06	12.98
		1745 (132322)	12.67	13.06	12.99	13.02
		1720 (132072)	12.66	13.05	12.98	13.09
	1RB-Low (0)	1770 (132572)	12.76	13.21	13.03	13.04
		1745 (132322)	12.78	13.12	13.01	12.94
		1720 (132072)	12.71	13.10	13.03	13.04
	50RB-High (50)	1770 (132572)	12.95	13.00	12.97	13.07
		1745 (132322)	12.89	12.86	12.86	13.07
		1720 (132072)	12.80	12.89	12.91	12.97
	50RB-Middle (25)	1770 (132572)	12.93	12.98	12.93	13.06
		1745 (132322)	12.88	12.89	12.85	13.05
		1720 (132072)	12.87	12.88	12.83	13.01
	50RB-Low (0)	1770 (132572)	12.83	12.90	12.90	12.99
		1745 (132322)	12.85	12.79	12.80	12.90
		1720 (132072)	12.86	12.82	12.79	13.05
	100RB (0)	1770 (132572)	12.93	12.93	12.93	13.09
		1745 (132322)	12.81	12.86	12.89	12.96
		1720 (132072)	12.86	12.87	12.85	13.03

LTE B66-ANT0 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	9.52	9.91	9.73	9.34
		1745 (132322)	9.33	9.71	9.58	9.33
		1710.7 (131979)	9.51	9.71	9.62	9.35
	1RB-Middle (3)	1779.3 (132665)	9.61	9.95	9.99	9.39
		1745 (132322)	9.49	9.88	9.72	9.53
		1710.7 (131979)	9.64	9.77	9.76	9.36
	1RB-Low (0)	1779.3 (132665)	9.60	9.87	9.78	9.59
		1745 (132322)	9.35	9.82	9.75	9.33
		1710.7 (131979)	9.48	9.74	9.70	9.54
	3RB-High (3)	1779.3 (132665)	9.56	9.71	9.76	9.51
		1745 (132322)	9.47	9.55	9.57	9.69
		1710.7 (131979)	9.52	9.54	9.62	9.55
	3RB-Middle (1)	1779.3 (132665)	9.54	9.71	9.77	9.70
		1745 (132322)	9.51	9.55	9.52	9.58
		1710.7 (131979)	9.55	9.57	9.74	9.59
	3RB-Low (0)	1779.3 (132665)	9.59	9.60	9.71	9.40
		1745 (132322)	9.47	9.56	9.60	9.34
		1710.7 (131979)	9.51	9.60	9.53	9.42
	6RB (0)	1779.3 (132665)	9.67	9.79	9.77	9.49
		1745 (132322)	9.54	9.61	9.37	9.39
		1710.7 (131979)	9.54	9.56	9.59	9.32
3MHz	1RB-High (14)	1778.5 (132657)	9.60	9.75	9.88	9.45
		1745 (132322)	9.59	9.89	9.80	9.48
		1711.5 (131987)	9.57	9.81	9.79	9.66
	1RB-Middle (7)	1778.5 (132657)	9.56	9.96	9.66	9.32
		1745 (132322)	9.55	9.94	9.51	9.58
		1711.5 (131987)	9.52	9.83	9.87	9.60
	1RB-Low (0)	1778.5 (132657)	9.59	9.91	9.81	9.32
		1745 (132322)	9.49	9.92	9.70	9.45
		1711.5 (131987)	9.56	9.88	9.82	9.33
	8RB-High (7)	1778.5 (132657)	9.78	9.88	9.84	9.48
		1745 (132322)	9.54	9.72	9.55	9.59
		1711.5 (131987)	9.66	9.66	9.69	9.42
	8RB-Middle (4)	1778.5 (132657)	9.63	9.84	9.66	9.63
		1745 (132322)	9.57	9.65	9.58	9.57
		1711.5 (131987)	9.78	9.66	9.75	9.34
	8RB-Low (0)	1778.5 (132657)	9.69	9.80	9.75	9.63
		1745 (132322)	9.55	9.57	9.55	9.40
		1711.5 (131987)	9.63	9.61	9.73	9.60
	15RB (0)	1778.5 (132657)	9.74	9.80	9.69	9.33
		1745 (132322)	9.64	9.70	9.57	9.49
		1711.5 (131987)	9.65	9.61	9.57	9.60

5MHz	1RB-High (24)	1777.5 (132647)	9.69	9.75	9.96	9.62
		1745 (132322)	9.54	9.89	9.77	9.55
		1712.5 (131997)	9.58	9.86	9.80	9.56
	1RB-Middle (12)	1777.5 (132647)	9.64	9.88	9.81	9.41
		1745 (132322)	9.44	9.98	9.67	9.64
		1712.5 (131997)	9.49	9.59	9.75	9.30
	1RB-Low (0)	1777.5 (132647)	9.64	9.94	9.83	9.34
		1745 (132322)	9.60	9.83	9.67	9.40
		1712.5 (131997)	9.62	9.98	9.77	9.38
	12RB-High (13)	1777.5 (132647)	9.78	9.84	9.80	9.63
		1745 (132322)	9.59	9.63	9.59	9.67
		1712.5 (131997)	9.58	9.71	9.63	9.57
	12RB-Middle (6)	1777.5 (132647)	9.67	9.73	9.66	9.70
		1745 (132322)	9.58	9.59	9.58	9.62
		1712.5 (131997)	9.73	9.68	9.65	9.56
	12RB-Low (0)	1777.5 (132647)	9.65	9.76	9.64	9.40
		1745 (132322)	9.60	9.63	9.51	9.45
		1712.5 (131997)	9.63	9.66	9.62	9.57
	25RB (0)	1777.5 (132647)	9.75	9.68	9.70	9.55
		1745 (132322)	9.59	9.63	9.72	9.67
		1712.5 (131997)	9.66	9.70	9.69	9.69
10MHz	1RB-High (49)	1775 (132622)	9.31	9.98	9.85	9.68
		1745 (132322)	9.55	9.92	9.62	9.61
		1715 (132022)	9.60	9.98	9.82	9.66
	1RB-Middle (24)	1775 (132622)	9.62	9.92	9.86	9.51
		1745 (132322)	9.42	9.83	9.80	9.43
		1715 (132022)	9.46	9.70	9.83	9.36
	1RB-Low (0)	1775 (132622)	9.69	9.94	9.72	9.30
		1745 (132322)	9.58	9.92	9.74	9.52
		1715 (132022)	9.43	9.94	9.59	9.57
	25RB-High (25)	1775 (132622)	9.75	9.72	9.74	9.50
		1745 (132322)	9.65	9.65	9.57	9.56
		1715 (132022)	9.72	9.68	9.76	9.59
	25RB-Middle (12)	1775 (132622)	9.74	9.83	9.84	9.38
		1745 (132322)	9.51	9.63	9.54	9.56
		1715 (132022)	9.70	9.83	9.72	9.57
	25RB-Low (0)	1775 (132622)	9.66	9.66	9.65	9.33
		1745 (132322)	9.59	9.62	9.62	9.30
		1715 (132022)	9.51	9.59	9.65	9.38
	50RB (0)	1775 (132622)	9.75	9.80	9.75	9.35
		1745 (132322)	9.66	9.70	9.68	9.62
		1715 (132022)	9.71	9.73	9.65	9.40

15MHz	1RB-High (74)	1772.5 (132597)	9.54	9.94	9.87	9.58
		1745 (132322)	9.38	9.89	9.74	9.60
		1717.5 (132047)	9.38	9.65	9.67	9.59
	1RB-Middle (37)	1772.5 (132597)	9.55	9.97	9.81	9.43
		1745 (132322)	9.43	9.73	9.66	9.42
		1717.5 (132047)	9.41	9.66	9.66	9.48
	1RB-Low (0)	1772.5 (132597)	9.43	9.86	9.74	9.31
		1745 (132322)	9.39	9.90	9.64	9.69
		1717.5 (132047)	9.41	9.71	9.65	9.64
	36RB-High (38)	1772.5 (132597)	9.67	9.56	9.64	9.67
		1745 (132322)	9.49	9.51	9.61	9.50
		1717.5 (132047)	9.58	9.50	9.59	9.44
	36RB-Middle (19)	1772.5 (132597)	9.63	9.66	9.63	9.51
		1745 (132322)	9.40	9.44	9.51	9.35
		1717.5 (132047)	9.51	9.55	9.55	9.62
	36RB-Low (0)	1772.5 (132597)	9.53	9.54	9.53	9.55
		1745 (132322)	9.48	9.52	9.43	9.57
		1717.5 (132047)	9.48	9.41	9.41	9.32
	75RB (0)	1772.5 (132597)	9.61	9.64	9.63	9.32
		1745 (132322)	9.44	9.57	9.56	9.58
		1717.5 (132047)	9.53	9.56	9.56	9.36
20MHz	1RB-High (99)	1770 (132572)	9.67	9.82	9.90	9.71
		1745 (132322)	9.31	9.72	9.62	9.51
		1720 (132072)	9.35	9.69	9.74	9.70
	1RB-Middle (50)	1770 (132572)	9.48	9.85	9.75	9.58
		1745 (132322)	9.39	9.69	9.71	9.75
		1720 (132072)	9.43	9.71	9.64	9.52
	1RB-Low (0)	1770 (132572)	9.48	9.80	9.71	9.67
		1745 (132322)	9.45	9.85	9.76	9.62
		1720 (132072)	9.46	9.76	9.63	9.96
	50RB-High (50)	1770 (132572)	9.62	9.65	9.62	9.48
		1745 (132322)	9.58	9.62	9.52	9.50
		1720 (132072)	9.54	9.49	9.48	9.92
	50RB-Middle (25)	1770 (132572)	9.64	9.68	9.67	9.97
		1745 (132322)	9.57	9.63	9.51	9.79
		1720 (132072)	9.53	9.57	9.54	9.49
	50RB-Low (0)	1770 (132572)	9.51	9.58	9.52	9.81
		1745 (132322)	9.45	9.51	9.49	9.50
		1720 (132072)	9.46	9.42	9.46	9.79
	100RB (0)	1770 (132572)	9.67	9.67	9.68	9.95
		1745 (132322)	9.49	9.51	9.60	9.86
		1720 (132072)	9.61	9.55	9.61	9.85

LTE B66-ANT4 (Power Level A1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	23.61	22.64	21.67	18.11
		1745 (132322)	23.67	22.98	21.79	18.23
		1710.7 (131979)	23.75	22.82	21.76	18.06
	1RB-Middle (3)	1779.3 (132665)	23.62	22.72	21.84	18.18
		1745 (132322)	23.56	22.81	21.95	18.19
		1710.7 (131979)	23.55	22.81	21.94	18.21
	1RB-Low (0)	1779.3 (132665)	23.53	22.79	21.74	18.23
		1745 (132322)	23.71	22.83	21.87	18.20
		1710.7 (131979)	23.55	22.81	21.84	18.23
	3RB-High (3)	1779.3 (132665)	23.70	22.54	21.61	18.28
		1745 (132322)	23.74	22.65	21.77	18.28
		1710.7 (131979)	23.54	22.61	21.72	18.10
	3RB-Middle (1)	1779.3 (132665)	23.72	22.56	21.72	18.09
		1745 (132322)	23.60	22.48	21.94	18.19
		1710.7 (131979)	23.61	22.71	21.82	18.25
	3RB-Low (0)	1779.3 (132665)	23.67	22.72	21.66	18.21
		1745 (132322)	23.55	22.73	21.69	18.15
		1710.7 (131979)	23.57	22.66	21.78	18.11
	6RB (0)	1779.3 (132665)	22.73	21.64	20.62	18.26
		1745 (132322)	22.84	21.68	20.64	18.06
		1710.7 (131979)	22.80	21.66	20.57	18.09
3MHz	1RB-High (14)	1778.5 (132657)	23.67	23.01	21.84	18.10
		1745 (132322)	23.60	22.77	21.95	18.30
		1711.5 (131987)	23.65	23.04	21.85	18.15
	1RB-Middle (7)	1778.5 (132657)	23.59	23.19	21.47	18.08
		1745 (132322)	23.53	23.31	21.80	18.30
		1711.5 (131987)	23.73	23.31	21.64	18.24
	1RB-Low (0)	1778.5 (132657)	23.60	22.81	21.71	18.19
		1745 (132322)	23.59	23.09	21.87	18.09
		1711.5 (131987)	23.69	22.99	21.73	18.16
	8RB-High (7)	1778.5 (132657)	22.86	21.64	20.76	18.07
		1745 (132322)	22.89	21.75	20.72	18.27
		1711.5 (131987)	22.93	21.73	20.78	18.30
	8RB-Middle (4)	1778.5 (132657)	22.91	21.77	20.78	18.06
		1745 (132322)	23.00	21.73	20.70	18.19
		1711.5 (131987)	23.07	21.89	20.88	18.14
	8RB-Low (0)	1778.5 (132657)	22.82	21.64	20.71	18.07
		1745 (132322)	22.86	21.65	20.79	18.06
		1711.5 (131987)	22.95	21.77	20.72	18.06
	15RB (0)	1778.5 (132657)	22.78	21.68	20.56	18.15
		1745 (132322)	22.89	21.57	20.70	18.14
		1711.5 (131987)	22.98	21.72	20.70	18.20

5MHz	1RB-High (24)	1777.5 (132647)	23.63	22.80	21.76	18.20
		1745 (132322)	23.62	23.02	21.90	18.21
		1712.5 (131997)	23.66	23.08	21.85	18.07
	1RB-Middle (12)	1777.5 (132647)	23.66	22.89	21.63	18.28
		1745 (132322)	23.55	22.88	21.75	18.28
		1712.5 (131997)	23.62	22.67	21.66	18.08
	1RB-Low (0)	1777.5 (132647)	23.74	22.95	21.59	18.22
		1745 (132322)	23.71	22.98	21.90	18.10
		1712.5 (131997)	23.66	23.03	21.89	18.12
	12RB-High (13)	1777.5 (132647)	22.86	21.70	20.68	18.12
		1745 (132322)	22.99	21.86	20.70	18.12
		1712.5 (131997)	22.99	21.56	20.70	18.23
	12RB-Middle (6)	1777.5 (132647)	22.87	21.68	20.70	18.30
		1745 (132322)	22.87	21.76	20.68	18.26
		1712.5 (131997)	22.99	21.81	20.73	18.24
	12RB-Low (0)	1777.5 (132647)	22.88	21.75	20.76	18.05
		1745 (132322)	22.92	21.74	20.64	18.19
		1712.5 (131997)	22.94	21.74	20.79	18.25
	25RB (0)	1777.5 (132647)	22.86	21.66	20.70	18.26
		1745 (132322)	22.90	21.71	20.76	18.30
		1712.5 (131997)	22.94	21.74	20.76	18.16
10MHz	1RB-High (49)	1775 (132622)	23.66	23.14	21.79	18.28
		1745 (132322)	23.57	22.97	21.88	18.13
		1715 (132022)	23.63	23.09	21.72	18.26
	1RB-Middle (24)	1775 (132622)	23.61	22.90	21.73	18.10
		1745 (132322)	23.53	22.81	21.83	18.16
		1715 (132022)	23.59	22.82	21.99	18.16
	1RB-Low (0)	1775 (132622)	23.51	23.14	21.77	18.16
		1745 (132322)	23.54	23.04	21.81	18.27
		1715 (132022)	23.68	23.08	21.87	18.25
	25RB-High (25)	1775 (132622)	22.99	21.71	20.67	18.08
		1745 (132322)	23.00	21.87	20.82	18.15
		1715 (132022)	22.97	21.68	20.72	18.18
	25RB-Middle (12)	1775 (132622)	22.87	21.66	20.69	18.17
		1745 (132322)	22.91	21.78	20.73	18.23
		1715 (132022)	22.99	21.75	20.91	18.22
	25RB-Low (0)	1775 (132622)	22.94	21.69	20.63	18.30
		1745 (132322)	22.81	21.66	20.74	18.30
		1715 (132022)	22.98	21.79	20.82	18.14
	50RB (0)	1775 (132622)	22.91	21.67	20.63	18.29
		1745 (132322)	22.81	21.66	20.66	18.18
		1715 (132022)	23.00	21.79	20.66	18.17

15MHz	1RB-High (74)	1772.5 (132597)	23.63	22.73	21.92	18.16
		1745 (132322)	23.66	22.83	21.94	18.05
		1717.5 (132047)	23.69	22.90	21.89	18.18
	1RB-Middle (37)	1772.5 (132597)	23.59	22.86	21.77	18.26
		1745 (132322)	23.68	22.95	21.84	18.11
		1717.5 (132047)	23.74	22.83	22.00	18.11
	1RB-Low (0)	1772.5 (132597)	23.65	22.94	21.88	18.17
		1745 (132322)	23.74	22.85	21.88	18.09
		1717.5 (132047)	23.72	22.87	21.82	18.12
	36RB-High (38)	1772.5 (132597)	22.78	21.59	20.64	18.28
		1745 (132322)	22.81	21.64	20.70	18.11
		1717.5 (132047)	22.97	21.62	20.67	18.23
	36RB-Middle (19)	1772.5 (132597)	22.82	21.57	20.58	18.15
		1745 (132322)	22.70	21.56	20.61	18.28
		1717.5 (132047)	22.91	21.68	20.72	18.17
	36RB-Low (0)	1772.5 (132597)	22.69	21.49	20.50	18.15
		1745 (132322)	22.78	21.57	20.52	18.17
		1717.5 (132047)	22.79	21.54	20.58	18.22
	75RB (0)	1772.5 (132597)	22.67	21.56	20.54	18.17
		1745 (132322)	22.70	21.59	20.54	18.09
		1717.5 (132047)	22.84	21.70	20.64	18.16
20MHz	1RB-High (99)	1770 (132572)	23.24	22.59	21.48	18.18
		1745 (132322)	23.33	22.58	21.47	18.17
		1720 (132072)	23.28	22.63	21.52	18.21
	1RB-Middle (50)	1770 (132572)	23.22	22.57	21.46	18.16
		1745 (132322)	23.26	22.61	21.50	18.19
		1720 (132072)	23.17	22.52	21.42	18.12
	1RB-Low (0)	1770 (132572)	23.16	22.51	21.41	18.12
		1745 (132322)	23.36	22.61	21.50	18.19
		1720 (132072)	23.13	22.48	21.38	18.09
	50RB-High (50)	1770 (132572)	22.24	21.41	20.44	18.28
		1745 (132322)	22.27	21.44	20.47	18.30
		1720 (132072)	22.23	21.40	20.44	18.27
	50RB-Middle (25)	1770 (132572)	22.32	21.49	20.52	18.35
		1745 (132322)	22.33	21.50	20.53	18.35
		1720 (132072)	22.32	21.49	20.52	18.35
	50RB-Low (0)	1770 (132572)	22.38	21.45	20.48	18.31
		1745 (132322)	22.36	21.53	20.55	18.38
		1720 (132072)	22.24	21.41	20.44	18.28
	100RB (0)	1770 (132572)	22.36	21.53	20.55	18.38
		1745 (132322)	22.31	21.48	20.51	18.34
		1720 (132072)	22.23	21.40	20.44	18.27

LTE B66-ANT4 (Power Level C1)

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	256QAM
1.4MHz	1RB-High (5)	1779.3 (132665)	7.58	7.76	7.15	7.50
		1745 (132322)	7.43	7.60	7.04	7.49
		1710.7 (131979)	7.57	7.60	7.06	7.51
	1RB-Middle (3)	1779.3 (132665)	7.65	7.79	7.34	7.54
		1745 (132322)	7.56	7.74	7.14	7.66
		1710.7 (131979)	7.68	7.65	7.17	7.52
	1RB-Low (0)	1779.3 (132665)	7.64	7.73	7.18	7.70
		1745 (132322)	7.45	7.69	7.16	7.49
		1710.7 (131979)	7.55	7.63	7.12	7.66
	3RB-High (3)	1779.3 (132665)	7.61	7.60	7.17	7.64
		1745 (132322)	7.54	7.48	7.03	7.78
		1710.7 (131979)	7.58	7.47	7.06	7.67
	3RB-Middle (1)	1779.3 (132665)	7.60	7.60	7.17	7.79
		1745 (132322)	7.57	7.48	7.29	7.70
		1710.7 (131979)	7.60	7.49	7.15	7.70
	3RB-Low (0)	1779.3 (132665)	7.64	7.52	7.13	7.55
		1745 (132322)	7.54	7.49	7.05	7.50
		1710.7 (131979)	7.57	7.52	7.00	7.57
	6RB (0)	1779.3 (132665)	7.70	7.67	7.17	7.62
		1745 (132322)	7.60	7.53	7.38	7.54
		1710.7 (131979)	7.60	7.49	7.04	7.49
3MHz	1RB-High (14)	1778.5 (132657)	7.64	7.84	7.26	7.59
		1745 (132322)	7.64	7.74	7.20	7.62
		1711.5 (131987)	7.62	7.68	7.19	7.76
	1RB-Middle (7)	1778.5 (132657)	7.61	7.80	7.09	7.49
		1745 (132322)	7.60	7.78	7.08	7.70
		1711.5 (131987)	7.58	7.70	7.25	7.71
	1RB-Low (0)	1778.5 (132657)	7.64	7.76	7.20	7.49
		1745 (132322)	7.56	7.77	7.12	7.59
		1711.5 (131987)	7.61	7.74	7.21	7.49
	8RB-High (7)	1778.5 (132657)	7.79	7.74	7.23	7.62
		1745 (132322)	7.60	7.61	7.01	7.70
		1711.5 (131987)	7.69	7.56	7.12	7.57
	8RB-Middle (4)	1778.5 (132657)	7.67	7.71	7.09	7.74
		1745 (132322)	7.62	7.56	7.04	7.69
		1711.5 (131987)	7.79	7.56	7.16	7.50
	8RB-Low (0)	1778.5 (132657)	7.72	7.67	7.16	7.74
		1745 (132322)	7.60	7.49	7.01	7.55
		1711.5 (131987)	7.67	7.53	7.15	7.71
	15RB (0)	1778.5 (132657)	7.76	7.67	7.12	7.49
		1745 (132322)	7.68	7.60	7.03	7.62
		1711.5 (131987)	7.68	7.53	7.03	7.71

5MHz	1RB-High (24)	1777.5 (132647)	7.72	7.64	7.31	7.73
		1745 (132322)	7.60	7.74	7.17	7.67
		1712.5 (131997)	7.63	7.85	7.20	7.68
	1RB-Middle (12)	1777.5 (132647)	7.68	7.86	7.20	7.56
		1745 (132322)	7.52	7.82	7.10	7.74
		1712.5 (131997)	7.56	7.51	7.16	7.47
	1RB-Low (0)	1777.5 (132647)	7.68	7.78	7.22	7.50
		1745 (132322)	7.64	7.70	7.10	7.55
		1712.5 (131997)	7.66	7.82	7.17	7.53
	12RB-High (13)	1777.5 (132647)	7.79	7.71	7.20	7.74
		1745 (132322)	7.64	7.54	7.04	7.77
		1712.5 (131997)	7.63	7.60	7.07	7.69
	12RB-Middle (6)	1777.5 (132647)	7.70	7.62	7.09	7.79
		1745 (132322)	7.63	7.51	7.04	7.73
		1712.5 (131997)	7.75	7.58	7.09	7.68
	12RB-Low (0)	1777.5 (132647)	7.68	7.64	7.08	7.55
		1745 (132322)	7.64	7.54	7.09	7.59
		1712.5 (131997)	7.67	7.56	7.06	7.69
	25RB (0)	1777.5 (132647)	7.76	7.58	7.12	7.67
		1745 (132322)	7.64	7.54	7.14	7.77
		1712.5 (131997)	7.69	7.60	7.12	7.78
10MHz	1RB-High (49)	1775 (132622)	7.41	7.82	7.23	7.78
		1745 (132322)	7.60	7.77	7.06	7.72
		1715 (132022)	7.64	7.82	7.21	7.76
	1RB-Middle (24)	1775 (132622)	7.66	7.77	7.24	7.64
		1745 (132322)	7.50	7.70	7.20	7.58
		1715 (132022)	7.53	7.60	7.22	7.52
	1RB-Low (0)	1775 (132622)	7.72	7.78	7.14	7.47
		1745 (132322)	7.63	7.77	7.15	7.65
		1715 (132022)	7.51	7.84	7.04	7.69
	25RB-High (25)	1775 (132622)	7.76	7.61	7.15	7.63
		1745 (132322)	7.68	7.56	7.03	7.68
		1715 (132022)	7.74	7.58	7.17	7.70
	25RB-Middle (12)	1775 (132622)	7.76	7.70	7.23	7.53
		1745 (132322)	7.57	7.54	7.01	7.68
		1715 (132022)	7.72	7.70	7.14	7.69
	25RB-Low (0)	1775 (132622)	7.69	7.56	7.09	7.49
		1745 (132322)	7.64	7.53	7.06	7.47
		1715 (132022)	7.57	7.51	7.09	7.53
	50RB (0)	1775 (132622)	7.76	7.67	7.16	7.51
		1745 (132322)	7.69	7.60	7.11	7.73
		1715 (132022)	7.73	7.62	7.09	7.55

15MHz	1RB-High (74)	1772.5 (132597)	7.60	7.78	7.25	7.70
		1745 (132322)	7.47	7.74	7.15	7.71
		1717.5 (132047)	7.47	7.56	7.10	7.70
	1RB-Middle (37)	1772.5 (132597)	7.60	7.81	7.20	7.58
		1745 (132322)	7.51	7.62	7.09	7.57
		1717.5 (132047)	7.49	7.56	7.09	7.62
	1RB-Low (0)	1772.5 (132597)	7.51	7.72	7.15	7.48
		1745 (132322)	7.48	7.75	7.08	7.78
		1717.5 (132047)	7.49	7.60	7.09	7.74
	36RB-High (38)	1772.5 (132597)	7.70	7.49	7.08	7.77
		1745 (132322)	7.56	7.45	7.06	7.63
		1717.5 (132047)	7.63	7.44	7.04	7.58
	36RB-Middle (19)	1772.5 (132597)	7.67	7.56	7.07	7.64
		1745 (132322)	7.49	7.39	7.11	7.51
		1717.5 (132047)	7.57	7.48	7.01	7.73
	36RB-Low (0)	1772.5 (132597)	7.59	7.47	7.00	7.67
		1745 (132322)	7.55	7.46	7.02	7.69
		1717.5 (132047)	7.55	7.37	7.12	7.49
	75RB (0)	1772.5 (132597)	7.65	7.55	7.07	7.49
		1745 (132322)	7.52	7.49	7.02	7.70
		1717.5 (132047)	7.59	7.49	7.02	7.52
20MHz	1RB-High (99)	1770 (132572)	7.70	7.69	7.27	7.80
		1745 (132322)	7.76	7.75	7.30	7.86
		1720 (132072)	7.73	7.72	7.27	7.83
	1RB-Middle (50)	1770 (132572)	7.67	7.66	7.22	7.77
		1745 (132322)	7.70	7.69	7.24	7.80
		1720 (132072)	7.69	7.68	7.23	7.79
	1RB-Low (0)	1770 (132572)	7.64	7.63	7.19	7.74
		1745 (132322)	7.73	7.72	7.27	7.83
		1720 (132072)	7.69	7.68	7.23	7.79
	50RB-High (50)	1770 (132572)	7.66	7.65	7.70	7.76
		1745 (132322)	7.73	7.72	7.77	7.83
		1720 (132072)	7.68	7.67	7.72	7.78
	50RB-Middle (25)	1770 (132572)	7.74	7.73	7.78	7.84
		1745 (132322)	7.72	7.71	7.76	7.82
		1720 (132072)	7.78	7.77	7.82	7.88
	50RB-Low (0)	1770 (132572)	7.79	7.78	7.83	7.89
		1745 (132322)	7.76	7.75	7.80	7.86
		1720 (132072)	7.75	7.74	7.79	7.85
	100RB (0)	1770 (132572)	7.75	7.74	7.79	7.85
		1745 (132322)	7.71	7.70	7.75	7.81
		1720 (132072)	7.77	7.76	7.81	7.87

LTE Carrier Aggregation Conducted Power (Uplink)

7C ANT1 –Power Level A1

UL LTE CA Class	PCC					SCC				Power
	PCC Bandwidth	UL channel	DL channel	UL RB	UL RB OFFSET	SCC Bandwidth	DL channel	UL RB	UL RB OFFSET	conducted power (dBm)
CA 7C	20M	20850	2850	1	99	20M	3048	1	0	24.48
CA 7C	20M	20850	2850	1	99	15M	3021	1	0	24.46
CA 7C	20M	20850	2850	1	99	10M	2994	1	0	24.61
CA 7C	15M	20825	2825	1	74	15M	2975	1	0	24.58
CA 7C	15M	20825	2825	1	74	10M	2945	1	0	24.54
CA 7C	20M	21350	3350	1	0	20M	3152	1	99	24.55
CA 7C	20M	21350	3350	1	0	15M	3179	1	74	24.51
CA 7C	20M	21350	3350	1	0	10M	3206	1	49	24.46
CA 7C	15M	21375	3375	1	0	15M	3225	1	74	24.56

7C ANT1 –Power Level B1

UL LTE CA Class	PCC					SCC				Power
	PCC Bandwidth	UL channel	DL channel	UL RB	UL RB OFFSET	SCC Bandwidth	DL channel	UL RB	UL RB OFFSET	conducted power (dBm)
CA 7C	20M	20850	2850	1	99	20M	3048	1	0	10.32
CA 7C	20M	20850	2850	1	99	15M	3021	1	0	10.33
CA 7C	20M	20850	2850	1	99	10M	2994	1	0	10.35
CA 7C	15M	20825	2825	1	74	15M	2975	1	0	10.29
CA 7C	15M	20825	2825	1	74	10M	2945	1	0	10.26
CA 7C	20M	21350	3350	1	0	20M	3152	1	99	10.22
CA 7C	20M	21350	3350	1	0	15M	3179	1	74	10.31
CA 7C	20M	21350	3350	1	0	10M	3206	1	49	10.21
CA 7C	15M	21375	3375	1	0	15M	3225	1	74	10.25

38C ANT1 –Power Level A1

UL LTE CA Class	PCC				SCC				Power
	PCC Bandwi	channel	RB	RB OFFSET	SCC Bandwi	channel	RB	RB OFFSET	conducted power (dBm)
CA 38C	20M	37850	1	99	20M	38048	1	0	24.61
CA 38C	15M	37825	1	74	15M	37975	1	0	24.49
CA 38C	20M	38150	1	0	20M	37952	1	99	24.53
CA 38C	15M	38175	1	0	15M	38025	1	74	24.60

38C ANT1 –Power Level B1

UL LTE CA Class	PCC				SCC				Power
	PCC Bandwi	channel	RB	RB OFFSET	SCC Bandwi	channel	RB	RB OFFSET	conducted power (dBm)
CA 38C	20M	37850	1	99	20M	38048	1	0	10.34
CA 38C	15M	37825	1	74	15M	37975	1	0	10.31
CA 38C	20M	38150	1	0	20M	37952	1	99	10.32
CA 38C	15M	38175	1	0	15M	38025	1	74	10.30

41C ANT1 –Power Level A1

UL LTE CA Class	PCC				SCC				Power
	PCC Bandwi	channel	RB	RB OFFSET	SCC Bandwi	channel	RB	RB OFFSET	conducted power (dBm)
CA 41C	20M	39750	1	99	5M	39867	1	0	23.88
CA 41C	20M	39750	1	99	20M	39948	1	0	23.84
CA 41C	20M	39750	1	99	15M	39921	1	0	23.81
CA 41C	20M	39750	1	99	10M	39894	1	0	23.79
CA 41C	15M	39725	1	74	10M	39845	1	0	23.82
CA 41C	20M	41490	1	0	20M	41292	1	99	23.32
CA 41C	20M	41490	1	0	15M	41319	1	74	23.35
CA 41C	20M	41490	1	0	10M	41346	1	49	23.40
CA 41C	20M	41490	1	0	5M	41373	1	24	23.36
CA 41C	15M	41515	1	0	15M	41365	1	74	23.10
CA 41C	15M	41515	1	0	10M	41395	1	49	23.07

41C ANT1 –Power Level B1

UL LTE CA Class	PCC				SCC				Power
	PCC Bandwi	channel	RB	RB OFFSET	SCC Bandwi	channel	RB	RB OFFSET	conducted power (dBm)
CA 41C	20M	39750	1	99	5M	39867	1	0	10.50
CA 41C	20M	39750	1	99	20M	39948	1	0	10.46
CA 41C	20M	39750	1	99	15M	39921	1	0	10.49
CA 41C	20M	39750	1	99	10M	39894	1	0	10.55
CA 41C	15M	39725	1	74	10M	39845	1	0	10.51
CA 41C	20M	41490	1	0	20M	41292	1	99	10.41
CA 41C	20M	41490	1	0	15M	41319	1	74	10.42
CA 41C	20M	41490	1	0	10M	41346	1	49	10.48
CA 41C	20M	41490	1	0	5M	41373	1	24	10.45
CA 41C	15M	41515	1	0	15M	41365	1	74	10.53
CA 41C	15M	41515	1	0	10M	41395	1	49	10.54

LTE Carrier Aggregation Conducted Power (Downlink)

Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive. SAR test in not required since maximum output power when downlink carrier aggregation active is not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

Power Level A1

DL LTE CA Class	TX ANT	PCC								SCC1			SCC2			SCC3			Power	
		PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTETx Power(dBm)	Rel 10 DL LTE CA Tx Power(dBm)
CA_41E	1	41	20	1	99	1	99	39750	39750	41	20	39948	41	20	40146	41	20	40344	23.93	23.64
CA_38C	1	38	20	1	0	1	99	37850	37850	38	20	38048	/	/	/	/	/	/	24.76	24.28
CA_66A-66A-7C	0	66	20	1	50	1	99	132072	66536	66	20	67236	7	20	2850	7	20	3048	23.39	23.11
CA_66A-66A-12A	0	66	20	1	50	1	99	132072	66536	66	20	67236	12	10	5095	/	/	/	23.39	23.06
CA_66A-66A-5A	0	66	20	1	50	1	99	132072	66536	66	20	67236	5	10	2525	/	/	/	23.39	22.94
CA_66A-5A-7C	0	66	1.4	1	5	1	5	131979	66443	5	10	2525	7	20	2850	7	20	3048	23.80	23.54
CA_7C-66A-66A	1	7	20	1	99	1	99	20850	2850	7	20	3048	66	20	66536	66	20	66786	24.58	24.44
CA_7C-5A-66A	1	7	20	1	99	1	99	20850	2850	7	20	3048	5	10	2525	66	20	66786	24.58	24.51
CA_7A-7A-5A	1	7	20	1	99	1	99	20850	2850	7	20	3350	5	10	2525	/	/	/	24.58	24.36
CA_7A-7A-2A	1	7	20	1	99	1	99	20850	2850	7	20	3350	2	20	900	/	/	/	24.58	24.18
CA_7A-5A-2A	1	7	5	1	24	1	24	21425	3425	5	10	2525	2	20	900	/	/	/	24.80	24.50
CA_7C-4A	1	7	20	1	99	1	99	20850	2850	7	20	3048	4	20	21.75	/	/	/	24.58	24.18
CA_7C-2A	1	7	20	1	99	1	99	20850	2850	7	20	3048	2	20	900	/	/	/	24.58	24.22
CA_7A-26A	1	7	20	1	99	1	99	20850	2850	7	20	3048	26	15	8865	/	/	/	24.58	24.36
CA_26A-41C	0	26	5	1	12	1	24	26715	8715	41	20	39750	41	20	39948	/	/	/	23.61	23.51
CA_26A-7A	0	26	5	1	12	1	24	26715	8715	7	20	3100	/	/	/	/	/	/	23.61	23.58
CA_12A-66A-66A	0	12	1.4	1	5	1	5	23173	5173	66	20	66536	66	20	66786	/	/	/	24.57	24.47
CA_12A-4A-4A	0	12	1.4	1	5	1	5	23173	5173	4	20	2050	4	20	2300	/	/	/	24.57	24.39
CA_12A-2A	0	12	1.4	1	5	1	5	23173	5173	2	20	1100	/	/	/	/	/	/	24.57	24.22
CA_4A-7C	0	4	10	1	24	1	49	20000	2000	7	20	2850	7	20	3048	/	/	/	23.01	22.96
CA_4A-4A-12A	0	4	20	1	0	1	99	20300	2300	4	20	2050	12	10	5095	/	/	/	22.92	22.87
CA_4A-17A	0	4	10	1	24	1	49	20000	2000	17	10	5790	/	/	/	/	/	/	23.01	22.95
CA_4A-12A	0	4	10	1	24	1	49	20000	2000	12	10	5095	/	/	/	/	/	/	23.01	22.96
CA_4A-13A	0	4	10	1	24	1	49	20000	2000	13	10	5230	/	/	/	/	/	/	23.01	22.85
CA_4A-5A	0	4	10	1	24	1	49	20000	2000	5	10	2525	/	/	/	/	/	/	23.01	22.79
CA_2A-7C	0	2	3	1	0	1	14	18615	615	7	20	2850	7	20	3048	/	/	/	23.21	23.11
CA_2A-7A-7A	0	2	3	1	0	1	14	18615	615	7	20	3100	7	20	3400	/	/	/	23.21	23.06
CA_2A-7A-5A	0	2	3	1	0	1	14	18615	615	7	20	3100	5	10	2525	/	/	/	23.21	23.05
CA_2A-12A	0	2	3	1	0	1	14	18615	615	12	10	5095	/	/	/	/	/	/	23.21	23.00
CA_2A-13A	0	2	3	1	0	1	14	18615	615	13	10	5230	/	/	/	/	/	/	23.21	22.94
CA_2A-17A	0	2	3	1	0	1	14	18615	615	17	10	5790	/	/	/	/	/	/	23.21	23.16
CA_2A-2A	0	2	20	1	0	1	99	18700	700	2	20	1100	/	/	/	/	/	/	22.82	23.08
CA_13A-4A	0	13	5	1	0	1	24	23230	5230	4	20	2175	/	/	/	/	/	/	23.63	23.56
CA_13A-2A	0	13	5	1	0	1	24	23230	5230	2	20	1100	/	/	/	/	/	/	23.63	23.47

Power Level B1

DL LTE CA Class	TX ANT	PCC								SCC1			SCC2			SCC3			Power	
		PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTETx Power(dBm)	Rel 10 DL LTE CA Tx Power(dBm)
CA_41E	1	41	20	1	99	1	99	39750	39750	41	20	39948	41	20	40146	41	20	40344	10.47	10.36
CA_38C	1	38	20	1	0	1	99	37850	37850	38	20	38048	/	/	/	/	/	/	10.37	10.28
CA_66A-66A-7C	0	66	20	1	99	1	99	132072	66536	66	20	67236	7	20	2850	7	20	3048	12.77	12.58
CA_66A-66A-12A	0	66	20	1	99	1	99	132072	66536	66	20	67236	12	10	5095	/	/	/	12.77	12.64
CA_66A-66A-5A	0	66	20	1	99	1	99	132072	66536	66	20	67236	5	10	2525	/	/	/	12.77	12.71
CA_66A-5A-7C	0	66	1.4	6	0	1	5	131979	66443	5	10	2525	7	20	2850	7	20	3048	12.86	12.69
CA_7C-66A-66A	1	7	20	1	99	1	99	20850	2850	7	20	3048	66	20	66536	66	20	66786	9.63	9.14
CA_7C-5A-66A	1	7	20	1	99	1	99	20850	2850	7	20	3048	5	10	2525	66	20	66786	9.63	9.23
CA_7A-7A-5A	1	7	20	1	99	1	99	20850	2850	7	20	3350	5	10	2525	/	/	/	9.63	9.45
CA_7A-7A-2A	1	7	20	1	99	1	99	20850	2850	7	20	3350	2	20	900	/	/	/	9.63	9.15
CA_7A-5A-2A	1	7	5	1	0	1	24	21425	3425	5	10	2525	2	20	900	/	/	/	9.53	9.32
CA_7C-4A	1	7	20	1	99	1	99	20850	2850	7	20	3048	4	20	21.75	/	/	/	9.63	9.33
CA_7C-2A	1	7	20	1	99	1	99	20850	2850	7	20	3048	2	20	900	/	/	/	9.63	9.29
CA_7A-26A	1	7	20	1	99	1	99	20850	2850	7	20	3048	26	15	8865	/	/	/	9.63	9.15
CA_26A-41C	0	26	5	1	0	1	24	26715	8715	41	20	39750	41	20	39948	/	/	/	17.68	17.46
CA_26A-7A	0	26	5	1	0	1	24	26715	8715	7	20	3100	/	/	/	/	/	/	17.68	17.52
CA_12A-66A-66A	0	12	1.4	1	3	1	5	23173	5173	66	20	66536	66	20	66786	/	/	/	17.89	17.79
CA_12A-4A-4A	0	12	1.4	1	3	1	5	23173	5173	4	20	2050	4	20	2300	/	/	/	17.89	17.58
CA_12A-2A	0	12	1.4	1	3	1	5	23173	5173	2	20	1100	/	/	/	/	/	/	17.89	17.64
CA_4A-7C	0	4	10	25	0	1	49	20000	2000	7	20	2850	7	20	3048	/	/	/	12.85	12.80
CA_4A-4A-12A	0	4	20	1	0	1	99	20300	2300	4	20	2050	12	10	5095	/	/	/	12.68	12.60
CA_4A-17A	0	4	10	25	0	1	49	20000	2000	17	10	5790	/	/	/	/	/	/	12.85	12.68
CA_4A-12A	0	4	10	25	0	1	49	20000	2000	12	10	5095	/	/	/	/	/	/	12.85	12.61
CA_4A-13A	0	4	10	25	0	1	49	20000	2000	13	10	5230	/	/	/	/	/	/	12.85	12.62
CA_4A-5A	0	4	10	25	0	1	49	20000	2000	5	10	2525	/	/	/	/	/	/	12.85	12.67
CA_2A-7C	0	2	3	8	4	1	14	18615	615	7	20	2850	7	20	3048	/	/	/	11.78	11.50
CA_2A-7A-7A	0	2	3	8	4	1	14	18615	615	7	20	3100	7	20	3400	/	/	/	11.78	11.52
CA_2A-7A-5A	0	2	3	8	4	1	14	18615	615	7	20	3100	5	10	2525	/	/	/	11.78	11.63
CA_2A-12A	0	2	3	8	4	1	14	18615	615	12	10	5095	/	/	/	/	/	/	11.78	11.69
CA_2A-13A	0	2	3	8	4	1	14	18615	615	13	10	5230	/	/	/	/	/	/	11.78	11.55
CA_2A-17A	0	2	3	8	4	1	14	18615	615	17	10	5790	/	/	/	/	/	/	11.78	11.46
CA_2A-2A	0	2	20	50	0	1	99	18700	700	2	20	1100	/	/	/	/	/	/	11.68	11.60
CA_13A-4A	0	13	5	12	6	1	24	23230	5230	4	20	2175	/	/	/	/	/	/	18.51	18.46
CA_13A-2A	0	13	5	12	6	1	24	23230	5230	2	20	1100	/	/	/	/	/	/	18.51	18.37

11.4 5G NR Measurement result

N5 ANT0 (Power Level A1)

No.	Test Freq Description	5G-n5							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n5
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	846.5	169300	25	23.35
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	836.5	167300	25	23.65
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	826.5	165300	25	23.57
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	839	167800	25	23.50
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	836.5	167300	25	23.53
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	834	166800	25	23.60

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

No.	Test Freq Description	5G-n5							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n5
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	836.5	167300	25	23.53
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	836.5	167300	24	22.60
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	836.5	167300	22.5	21.05
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	836.5	167300	20.5	18.88
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	836.5	167300	23.5	22.00
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	836.5	167300	23	21.56
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	836.5	167300	21.5	20.07
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	836.5	167300	18.5	16.87
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	836.5	167300	24	22.48
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	836.5	167300	24	22.50
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	836.5	167300	24	22.53
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	836.5	167300	24	22.55
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	836.5	167300	25	23.59
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	836.5	167300	25	23.53
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	836.5	167300	24	22.61
17	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	836.5	167300	25	23.60
20	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	836.5	167300	25	23.55

N5 ANT0 (Power Level B1)

No.	Test Freq Description	5G-n5							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n5
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	846.5	169300	19	17.31
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	836.5	167300	19	17.46
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	826.5	165300	19	17.44
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	839	167800	19	17.23
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	836.5	167300	19	17.28
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	834	166800	19	17.32

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

No.	Test Freq Description	5G-n5							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n5
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	836.5	167300	19	17.42
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	836.5	167300	19	17.39
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	836.5	167300	19	17.36
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	836.5	167300	19	17.33
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	836.5	167300	19	17.39
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	836.5	167300	19	17.33
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	836.5	167300	19	17.34
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	836.5	167300	18.5	16.54
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	836.5	167300	19	17.33
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	836.5	167300	19	17.29
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	836.5	167300	19	17.35
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	836.5	167300	19	17.26
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	836.5	167300	19	17.34
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	836.5	167300	19	17.38
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	836.5	167300	19	17.19
17	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	836.5	167300	19	17.32
20	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	836.5	167300	19	17.28

N5 ANT0 (Power Level C1)

No.	Test Freq Description	5G-n5							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n5
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	846.5	169300	16.5	14.78
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	836.5	167300	16.5	15.06
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	826.5	165300	16.5	15.04
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	839	167800	16.5	14.84
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	836.5	167300	16.5	14.88
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	834	166800	16.5	14.92

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

No.	Test Freq Description	5G-n5							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n5
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	836.5	167300	16.5	15.01
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	836.5	167300	16.5	14.98
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	836.5	167300	16.5	14.95
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	836.5	167300	16.5	14.93
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	836.5	167300	16.5	14.98
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	836.5	167300	16.5	14.93
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	836.5	167300	16.5	14.93
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	836.5	167300	16.5	14.91
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	836.5	167300	16.5	14.93
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	836.5	167300	16.5	14.89
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	836.5	167300	16.5	14.94
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	836.5	167300	16.5	14.86
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	836.5	167300	16.5	14.93
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	836.5	167300	16.5	14.97
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	836.5	167300	16.5	14.80
17	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	836.5	167300	16.5	14.92
20	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	836.5	167300	16.5	14.88

N7 ANT1 (Power Level A1)

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2567.5	513500	25	23.93
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2535	507000	25	24.03
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2502.5	500500	25	23.98
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2560	512000	25	23.84
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2535	507000	25	23.88
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2510	502000	25	23.86

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

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2535	507000	25	23.90
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2535	507000	24	22.85
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2535	507000	22.5	21.44
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2535	507000	20.5	19.23
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2535	507000	23.5	22.34
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2535	507000	23	21.90
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2535	507000	21.5	20.40
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2535	507000	18.5	17.27
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	24	22.96
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	24	23.03
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	24	23.02
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	24	23.04
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	25	24.02
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	25	24.01
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	24	23.00
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	25	24.00
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	25	23.95

N7 ANT1 (Power Level B1)

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2567.5	513500	9.5	8.48
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2535	507000	9.5	8.63
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2502.5	500500	9.5	8.39
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2560	512000	9.5	8.41
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2535	507000	9.5	8.48
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2510	502000	9.5	8.37

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

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2535	507000	9.5	8.61
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2535	507000	9.5	8.60
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2535	507000	9.5	8.59
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2535	507000	9.5	8.57
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2535	507000	9.5	8.60
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2535	507000	9.5	8.57
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2535	507000	9.5	8.58
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2535	507000	9.5	8.51
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	9.5	8.57
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	9.5	8.55
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	9.5	8.58
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	9.5	8.54
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	9.5	8.58
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	9.5	8.59
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	9.5	8.50
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	9.5	8.57
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	9.5	8.55

N7 ANT1 (Power Level C1)

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2567.5	513500	6.5	5.56
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2535	507000	6.5	5.68
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2502.5	500500	6.5	5.65
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2560	512000	6.5	5.58
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2535	507000	6.5	5.60
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2510	502000	6.5	5.61

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

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2535	507000	6.5	5.65
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2535	507000	6.5	5.64
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2535	507000	6.5	5.63
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2535	507000	6.5	5.62
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2535	507000	6.5	5.64
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2535	507000	6.5	5.62
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2535	507000	6.5	5.62
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2535	507000	6.5	5.58
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	6.5	5.62
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	6.5	5.60
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	6.5	5.62
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	6.5	5.59
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	6.5	5.62
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	6.5	5.63
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	6.5	5.57
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	6.5	5.61
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	6.5	5.60

N7 ANT4 (Power Level A1)

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2567.5	513500	25	23.19
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2535	507000	25	23.20
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2502.5	500500	25	23.05
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2560	512000	25	23.19
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2535	507000	25	23.12
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2510	502000	25	23.03

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

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2535	507000	25	23.00
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2535	507000	24	22.31
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2535	507000	22.5	20.97
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2535	507000	20.5	18.50
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2535	507000	23.5	22.44
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2535	507000	23	21.86
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2535	507000	21.5	20.33
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2535	507000	18.5	16.63
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	24	22.07
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	24	22.00
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	24	22.08
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	24	22.04
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	25	23.19
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	25	23.08
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	24	22.22
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	25	23.16
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	25	23.10

N7 ANT4 (Power Level C1)

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2567.5	513500	10	8.41
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2535	507000	10	8.56
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	2502.5	500500	10	8.54
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2560	512000	10	8.44
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2535	507000	10	8.47
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	2510	502000	10	8.49

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

No.	Test Freq Description	5G-n7							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n7
1	Middle	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	2535	507000	10	8.53
2	Middle	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	2535	507000	10	8.52
3	Middle	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	2535	507000	10	8.51
4	Middle	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	2535	507000	10	8.49
5	Middle	15	5	CP-OFDM QPSK	Inner_Full	12_6	2535	507000	10	8.52
6	Middle	15	5	CP-OFDM 16QAM	Inner_Full	12_6	2535	507000	10	8.49
7	Middle	15	5	CP-OFDM 64QAM	Inner_Full	12_6	2535	507000	10	8.50
8	Middle	15	5	CP-OFDM 256QAM	Inner_Full	12_6	2535	507000	10	8.48
9	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	2535	507000	10	8.49
10	Middle	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2535	507000	10	8.47
11	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	2535	507000	10	8.50
12	Middle	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2535	507000	10	8.46
13	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	2535	507000	10	8.50
14	Middle	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2535	507000	10	8.51
15	Middle	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	2535	507000	10	8.42
16	Middle	15	10	DFT-s-OFDM QPSK	Inner_Full	25_12	2535	507000	10	8.49
17	Middle	15	15	DFT-s-OFDM QPSK	Inner_Full	36_18	2535	507000	10	8.47

N38 ANT4 (Power Level A1)

No.	Test Freq Description	5G-n38							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n38
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2610	522000	25.5	24.02
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2595	519000	25.5	24.05
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2580	516000	25.5	24.00
4	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2600	520000	25.5	23.98
5	Middle	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2595	519000	25.5	24.04
6	Low	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2590	518000	25.5	24.03

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

No.	Test Freq Description	5G-n38							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n38
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	2595	519000	25.5	23.98
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	2595	519000	24.5	23.00
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	2595	519000	23	21.47
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	2595	519000	21	19.47
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25_12	2595	519000	24	22.54
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25_12	2595	519000	23.5	22.02
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25_12	2595	519000	22	20.50
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25_12	2595	519000	19	17.54
9	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	2595	519000	24.5	23.11
10	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2595	519000	24.5	22.98
11	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	2595	519000	24.5	23.11
12	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2595	519000	24.5	23.00
13	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	2595	519000	25.5	24.02
14	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2595	519000	25.5	24.00
15	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	2595	519000	24.5	23.06
16	Middle	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2595	519000	25.5	24.01

N38 ANT4 (Power Level B1)

No.	Test Freq Description	5G-n38							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n38
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2610	522000	13	11.23
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2595	519000	13	11.47
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2580	516000	13	11.41
4	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2600	520000	13	11.27
5	Middle	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2595	519000	13	11.31
6	Low	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2590	518000	13	11.33

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

No.	Test Freq Description	5G-n38							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n38
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	2595	519000	13	11.41
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	2595	519000	13	11.39
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	2595	519000	13	11.37
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	2595	519000	13	11.35
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25_12	2595	519000	13	11.39
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25_12	2595	519000	13	11.35
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25_12	2595	519000	13	11.35
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25_12	2595	519000	13	11.27
9	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	2595	519000	13	11.35
10	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2595	519000	13	11.31
11	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	2595	519000	13	11.35
12	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2595	519000	13	11.29
13	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	2595	519000	13	11.35
14	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2595	519000	13	11.37
15	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	2595	519000	13	11.25
16	Middle	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2595	519000	13	11.33

N38 ANT4 (Power Level C1)

No.	Test Freq Description	5G-n38							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n38
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2610	522000	10	8.41
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2595	519000	10	8.46
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2580	516000	10	8.36
4	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2600	520000	10	8.24
5	Middle	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2595	519000	10	8.31
6	Low	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2590	518000	10	8.21

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

No.	Test Freq Description	5G-n38							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n38
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	2595	519000	10	8.44
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	2595	519000	10	8.43
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	2595	519000	10	8.42
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	2595	519000	10	8.40
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25_12	2595	519000	10	8.43
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25_12	2595	519000	10	8.40
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25_12	2595	519000	10	8.41
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25_12	2595	519000	10	8.34
9	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	2595	519000	10	8.40
10	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2595	519000	10	8.38
11	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	2595	519000	10	8.41
12	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2595	519000	10	8.37
13	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	2595	519000	10	8.41
14	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2595	519000	10	8.42
15	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	2595	519000	10	8.33
16	Middle	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2595	519000	10	8.40

N41 ANT4 (Power Level A1)

No.	Test Freq Description	5G-n41							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n41
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2679.99	535998	25.00	23.50
2	Middle1	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2636.49	527298	25.00	23.48
3	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2592.99	518598	25.00	23.54
4	Middle3	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2549.49	509898	25.00	23.48
5	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2506.02	501204	25.00	23.46
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2640	528000	25.00	23.32
7	Middle2	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2592.99	518598	25.00	23.28
8	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2546.01	509202	25.00	23.35

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

No.	Test Freq Description	5G-n41							Tune up	Power Results (dBm)
		SCS	NR BW	Modulation	RB allocation		NR	NR		n41
1	Middle2	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	2592.99	518598	25.00	23.50
2	Middle2	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	2592.99	518598	24.00	22.91
3	Middle2	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	2592.99	518598	22.50	21.56
4	Middle2	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	2592.99	518598	20.50	19.46
5	Middle2	30	20	CP-OFDM QPSK	Inner_Full	25_12	2592.99	518598	23.50	22.41
6	Middle2	30	20	CP-OFDM 16QAM	Inner_Full	25_12	2592.99	518598	23.00	21.91
7	Middle2	30	20	CP-OFDM 64QAM	Inner_Full	25_12	2592.99	518598	21.50	20.39
8	Middle2	30	20	CP-OFDM 256QAM	Inner_Full	25_12	2592.99	518598	18.50	17.44
9	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	2592.99	518598	24.00	22.99
10	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2592.99	518598	24.00	22.96
11	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	2592.99	518598	24.00	22.93
12	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2592.99	518598	24.00	23.00
13	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	2592.99	518598	25.00	23.43
14	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2592.99	518598	25.00	23.53
15	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	2592.99	518598	24.00	22.95
16	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	25.00	23.43
17	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2618.67	523734	25.00	23.45
18	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	25.00	23.40
19	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	2592.99	518598	25.00	23.41
20	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2649.99	529998	25.00	23.26
21	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2644.98	528996	25.00	23.22

N41 ANT4 (Power Level B1)

No.	Test Freq Description	5G-n41								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n41
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2679.99	535998	13	11.33
2	Middle1	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2636.49	527298	13	11.36
3	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2592.99	518598	13	11.39
4	Middle3	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2549.49	509898	13	11.34
5	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2506.02	501204	13	11.26
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2640	528000	13	11.28
7	Middle2	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2592.99	518598	13	11.25
8	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2546.01	509202	13	11.22

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

No.	Test Freq Description	5G-n41								Power Results (dBm)
		SCS	NR BW	Modulation	RB allocation		NR	NR	Tune up	n41
1	Middle2	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	2592.99	518598	13	11.31
2	Middle2	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	2592.99	518598	13	11.29
3	Middle2	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	2592.99	518598	13	11.27
4	Middle2	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	2592.99	518598	13	11.25
5	Middle2	30	20	CP-OFDM QPSK	Inner_Full	25_12	2592.99	518598	13	11.29
6	Middle2	30	20	CP-OFDM 16QAM	Inner_Full	25_12	2592.99	518598	13	11.25
7	Middle2	30	20	CP-OFDM 64QAM	Inner_Full	25_12	2592.99	518598	13	11.25
8	Middle2	30	20	CP-OFDM 256QAM	Inner_Full	25_12	2592.99	518598	13	11.30
9	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	2592.99	518598	13	11.25
10	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2592.99	518598	13	11.21
11	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	2592.99	518598	13	11.25
12	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2592.99	518598	13	11.19
13	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	2592.99	518598	13	11.25
14	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2592.99	518598	13	11.27
15	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	2592.99	518598	13	11.15
16	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	13	11.23
17	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2618.67	523734	13	11.29
18	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	13	11.25
19	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	2592.99	518598	13	11.21
20	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2649.99	529998	13	11.19
21	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2644.98	528996	13	11.25

N41 ANT4 (Power Level C1)

No.	Test Freq Description	5G-n41								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n41
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2679.99	535998	10	8.35
2	Middle1	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2636.49	527298	10	8.37
3	Middle2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2592.99	518598	10	8.39
4	Middle3	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2549.49	509898	10	8.35
5	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	2506.02	501204	10	8.29
6	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2640	528000	10	8.31
7	Middle2	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2592.99	518598	10	8.29
8	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	2546.01	509202	10	8.26

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

No.	Test Freq Description	5G-n41								Power Results (dBm)
		SCS	NR BW	Modulation	RB allocation		NR	NR	Tune up	n41
1	Middle2	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	2592.99	518598	10	8.33
2	Middle2	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	2592.99	518598	10	8.32
3	Middle2	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	2592.99	518598	10	8.30
4	Middle2	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	2592.99	518598	10	8.29
5	Middle2	30	20	CP-OFDM QPSK	Inner_Full	25_12	2592.99	518598	10	8.32
6	Middle2	30	20	CP-OFDM 16QAM	Inner_Full	25_12	2592.99	518598	10	8.29
7	Middle2	30	20	CP-OFDM 64QAM	Inner_Full	25_12	2592.99	518598	10	8.29
8	Middle2	30	20	CP-OFDM 256QAM	Inner_Full	25_12	2592.99	518598	10	8.32
9	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	2592.99	518598	10	8.29
10	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	2592.99	518598	10	8.26
11	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	2592.99	518598	10	8.29
12	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	2592.99	518598	10	8.24
13	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	2592.99	518598	10	8.29
14	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	2592.99	518598	10	8.30
15	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	2592.99	518598	10	8.21
16	Middle2	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	2592.99	518598	10	8.27
17	Middle2	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	2618.67	523734	10	8.32
18	Middle2	30	50	DFT-s-OFDM QPSK	Inner_Full	64_32	2592.99	518598	10	8.29
19	Middle2	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	2592.99	518598	10	8.26
20	Middle2	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	2649.99	529998	10	8.24
21	Middle2	30	90	DFT-s-OFDM QPSK	Inner_Full	120_60	2644.98	528996	10	8.29

N66 ANT0 (Power Level A1)

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	25	23.85
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	25	23.97
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	25	23.81
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	25	23.78
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	25	23.82
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	25	23.80
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n66							Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	25	23.87
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	24	22.88
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	22.5	21.39
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	20.5	19.21
5	default	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	23.5	22.37
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	23	21.89
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.5	20.40
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.5	17.17
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	24	22.91
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	24	22.87
9	default	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	24	22.91
10	default	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	24	22.87
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	25	23.94
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	25	23.91
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	24	22.84
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	25	23.84
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	25	23.80
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	25	23.79
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	25	23.82

N66 ANT0 (Power Level B1)

No.	Test Freq Description	5G-n66							Power Results (dBm)	
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	15.5	13.50
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	15.5	13.79
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	15.5	13.72
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	15.5	13.55
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	15.5	13.60
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	15.5	13.62

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

No.	Test Freq Description	5G-n66							Power Results (dBm)	
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	15.5	13.71
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	15.5	13.69
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	15.5	13.67
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	15.5	13.65
5	default	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	15.5	13.69
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	15.5	13.65
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	15.5	13.65
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	15.5	13.66
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	15.5	13.65
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	15.5	13.60
9	default	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	15.5	13.65
10	default	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	15.5	13.57
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	15.5	13.65
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	15.5	13.67
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	15.5	13.53
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	15.5	13.62
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	15.5	13.57
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	15.5	13.55
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	15.5	13.61

N66 ANT4 (Power Level A1)

No.	Test Freq Description	5G-n66							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	25	23.57
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	25	23.84
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	25	23.45
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	25	23.43
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	25	23.51
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	25	23.40
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n66							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	25	23.35
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	24	22.95
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	22.5	21.41
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	20.5	19.01
5	default	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	23.5	23.20
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	23	22.23
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	21.5	20.87
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	18.5	17.10
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	24	22.50
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	24	22.49
9	default	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	24	22.71
10	default	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	24	22.76
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	25	23.80
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	25	23.64
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	24	22.64
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	25	23.55
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	25	23.60
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	25	23.65
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	25	23.58

N66 ANT4 (Power Level C1)

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	High	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1777.5	355500	10.5	8.78
2	Middle	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1745	349000	10.5	8.97
3	Low	15	5	DFT-s-OFDM QPSK	Inner_Full	12_6	1712.5	342500	10.5	8.92
4	High	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1770	354000	10.5	8.81
5	Middle	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1745	349000	10.5	8.85
6	Low	15	20	DFT-s-OFDM QPSK	Inner_Full	50_25	1720	344000	10.5	8.86

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

No.	Test Freq Description	5G-n66								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n66
1	default	15	5	DFT-s-OFDM PI/2 BPSK1	Inner_Full	12_6	1745	349000	10.5	8.92
2	default	15	5	DFT-s-OFDM 16QAM	Inner_Full	12_6	1745	349000	10.5	8.91
3	default	15	5	DFT-s-OFDM 64QAM	Inner_Full	12_6	1745	349000	10.5	8.89
4	default	15	5	DFT-s-OFDM 256QAM	Inner_Full	12_6	1745	349000	10.5	8.88
5	default	15	5	CP-OFDM QPSK	Inner_Full	12_6	1745	349000	10.5	8.91
6	default	15	5	CP-OFDM 16QAM	Inner_Full	12_6	1745	349000	10.5	8.88
7	default	15	5	CP-OFDM 64QAM	Inner_Full	12_6	1745	349000	10.5	8.88
8	default	15	5	CP-OFDM 256QAM	Inner_Full	12_6	1745	349000	10.5	8.78
9	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Right	2_23	1745	349000	10.5	8.88
10	default	15	5	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	1745	349000	10.5	8.85
9	default	15	5	DFT-s-OFDM QPSK	Edge_1RB_Right	1_24	1745	349000	10.5	8.88
10	default	15	5	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	1745	349000	10.5	8.83
11	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Right	1_23	1745	349000	10.5	8.88
12	default	15	5	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	1745	349000	10.5	8.89
13	default	15	5	DFT-s-OFDM QPSK	Outer_Full	25_0	1745	349000	10.5	8.80
14	default	15	10	DFT-s-OFDM QPSK	Inner_Full	25@12	1745	342064	10.5	8.86
15	default	15	15	DFT-s-OFDM QPSK	Inner_Full	36@18	1745	347578	10.5	8.83
16	default	15	30	DFT-s-OFDM QPSK	Inner_Full	80@40	1745	346120	10.5	8.81
17	default	15	40	DFT-s-OFDM QPSK	Inner_Full	108@54	1745	345112	10.5	8.85

N77_L ANT5 (Power Level A1)

No.	Test Freq Description	5G-n77								Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	25	23.95
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	25	24.35
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	25	24.01
4	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3500.01	633334	25	23.91

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

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3500.01	633334	25.00	23.95
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	24.00	23.21
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	22.50	21.73
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	20.50	19.92
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25_12	3500.01	633334	23.50	22.70
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	23.00	22.28
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	21.50	20.94
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	18.50	18.03
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3500.01	633334	24.00	23.36
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	24.00	23.10
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3500.01	633334	24.00	23.21
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	24.00	23.05
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3500.01	633334	25.00	24.00
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	25.00	23.94
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3500.01	633334	24.00	23.13
18	Middle-5	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3500.01	633334	25.00	23.97
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3470.01	631334	25.00	23.97
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3500.01	633334	25.00	23.91
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3500.01	633334	25.00	23.82

N77_L ANT5 (Power Level B1)

No.	Test Freq Description	5G-n77								Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	9.5	8.82
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	9.5	8.93
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	9.5	8.87
4	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3500.01	633334	9.5	8.77
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3500.01	633334	9.5	8.88
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	9.5	8.87
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	9.5	8.85
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	9.5	8.84
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25_12	3500.01	633334	9.5	8.87
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	9.5	8.84
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	9.5	8.84
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	9.5	8.74
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3500.01	633334	9.5	8.84
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	9.5	8.81
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3500.01	633334	9.5	8.84
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	9.5	8.79
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3500.01	633334	9.5	8.84
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	9.5	8.85
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3500.01	633334	9.5	8.76
18	Middle-5	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3500.01	633334	9.5	8.82
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3470.01	631334	9.5	8.79
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3500.01	633334	9.5	8.77
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3500.01	633334	9.5	8.81

N77_L ANT5 (Power Level C1)

No.	Test Freq Description	5G-n77								Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	6.5	5.92
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	6.5	5.99
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	6.5	5.95
4	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3500.01	633334	6.5	5.88
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3500.01	633334	6.5	5.96
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	6.5	5.95
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	6.5	5.94
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	6.5	5.93
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25_12	3500.01	633334	6.5	5.95
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	6.5	5.93
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	6.5	5.93
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	6.5	5.87
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3500.01	633334	6.5	5.93
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	6.5	5.91
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3500.01	633334	6.5	5.93
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	6.5	5.90
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3500.01	633334	6.5	5.93
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	6.5	5.94
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3500.01	633334	6.5	5.87
18	Middle-5	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3500.01	633334	6.5	5.92
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3470.01	631334	6.5	5.90
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3500.01	633334	6.5	5.88
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3500.01	633334	6.5	5.91

N77_H ANT5 (Power Level A1)

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3969.990	664666	25	24.53
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3918.000	661200	25	24.26
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3866.000	657733	25	24.36
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3814.000	654267	25	24.48
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3762.000	650800	25	24.63
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3710.010	647334	25	23.93
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3930.000	662000	25	24.14
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3750.000	650000	25	23.54

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

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3762.000	650800	25.00	24.55
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3762.000	650800	24.00	24.00
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3762.000	650800	22.50	22.36
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3762.000	650800	20.50	20.49
5	High	30	20	CP-OFDM QPSK	Inner_Full	25_12	3762.000	650800	23.50	23.14
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3762.000	650800	23.00	22.83
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3762.000	650800	21.50	21.37
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3762.000	650800	18.50	18.42
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3762.000	650800	24.00	23.89
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3762.000	650800	24.00	23.95
9	High	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3762.000	650800	24.00	23.87
10	High	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3762.000	650800	24.00	23.93
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3762.000	650800	25.00	24.43
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3762.000	650800	25.00	24.45
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3762.000	650800	24.00	23.98
16	High	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3815.010	654334	25.00	24.45
17	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3816.000	654400	25.00	24.43
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3803.340	653556	25.00	24.37
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3840.000	656000	25.00	24.31

N77_H ANT5 (Power Level B1)

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3969.990	664666	9.5	9.21
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3918.000	661200	9.5	9.11
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3866.000	657733	9.5	9.02
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3814.000	654267	9.5	9.00
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3762.000	650800	9.5	8.83
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3710.010	647334	9.5	8.77
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3930.000	662000	9.5	9.15
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3750.000	650000	9.5	9.04

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

No.	Test Freq Description	5G-n77								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3969.990	664666	9.5	9.16
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3969.990	664666	9.5	9.15
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3969.990	664666	9.5	9.13
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3969.990	664666	9.5	9.12
5	High	30	20	CP-OFDM QPSK	Inner_Full	25_12	3969.990	664666	9.5	9.15
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3969.990	664666	9.5	9.12
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3969.990	664666	9.5	9.12
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3969.990	664666	9.5	9.02
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3969.990	664666	9.5	9.12
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3969.990	664666	9.5	9.08
9	High	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3969.990	664666	9.5	9.12
10	High	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3969.990	664666	9.5	9.07
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3969.990	664666	9.5	9.12
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3969.990	664666	9.5	9.13
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3762.000	650800	9.5	9.04
16	High	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3815.010	654334	9.5	9.10
17	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3816.000	654400	9.5	9.07
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3803.340	653556	9.5	9.04
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3840.000	656000	9.5	9.08

N77_H ANT5 (Power Level C1)

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3969.990	664666	6.5	6.02
2	Middle-1	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3918.000	661200	6.5	5.96
3	Middle-2	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3866.000	657733	6.5	5.89
4	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3814.000	654267	6.5	5.88
5	Middle-5	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3762.000	650800	6.5	5.77
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3710.010	647334	6.5	5.73
7	High	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3930.000	662000	6.5	5.98
12	Low	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3750.000	650000	6.5	5.92

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

No.	Test Freq Description	5G-n77							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n77
1	High	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3969.990	664666	6.5	5.99
2	High	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3969.990	664666	6.5	5.98
3	High	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3969.990	664666	6.5	5.97
4	High	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3969.990	664666	6.5	5.96
5	High	30	20	CP-OFDM QPSK	Inner_Full	25_12	3969.990	664666	6.5	5.98
6	High	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3969.990	664666	6.5	5.96
7	High	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3969.990	664666	6.5	5.96
8	High	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3969.990	664666	6.5	5.89
9	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3969.990	664666	6.5	5.96
10	High	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3969.990	664666	6.5	5.93
9	High	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3969.990	664666	6.5	5.96
10	High	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3969.990	664666	6.5	5.93
11	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3969.990	664666	6.5	5.96
12	High	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3969.990	664666	6.5	5.97
13	High	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3762.000	650800	6.5	5.91
16	High	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3815.010	654334	6.5	5.95
17	High	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3816.000	654400	6.5	5.93
18	High	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3803.340	653556	6.5	5.92
19	High	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3840.000	656000	6.5	5.93

N78_L ANT5 (Power Level A1)

No.	Test Freq Description	5G-n78							Tune up	Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n78
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	24.5	23.81
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	24.5	24.05
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	24.5	24.00
4	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3500.01	633334	24.5	23.86

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

No.	Test Freq Description	5G-n78							Tune up	Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.		n78
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3500.01	633334	24.5	23.98
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	23.5	23.36
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	22	21.93
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	20	19.84
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25_12	3500.01	633334	23	22.84
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	22.5	22.16
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	21	21.00
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	18	17.93
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3500.01	633334	23.5	23.36
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	23.5	23.30
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3500.01	633334	23.5	23.33
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	23.5	23.31
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3500.01	633334	24.5	23.99
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	24.5	24.00
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3500.01	633334	23.5	23.49
18	Middle-5	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3500.01	633334	24.5	23.95
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3500.01	633334	24.5	23.85
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3500.01	633334	24.5	23.82
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3500.01	633334	24.5	23.71

N78_L ANT5 (Power Level B1)

No.	Test Freq Description	5G-n78								Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	9.5	8.90
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	9.5	8.96
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	9.5	8.91
4	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3500.01	633334	9.5	8.85
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n78								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3500.01	633334	9.5	8.83
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	9.5	8.91
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	9.5	8.82
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	9.5	8.93
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25_12	3500.01	633334	9.5	8.95
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	9.5	8.93
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	9.5	8.92
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	9.5	8.95
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3500.01	633334	9.5	8.86
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	9.5	8.91
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3500.01	633334	9.5	8.93
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	9.5	8.90
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3500.01	633334	9.5	8.91
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	9.5	8.92
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3500.01	633334	9.5	8.89
18	Middle-5	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3500.01	633334	9.5	8.94
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3500.01	633334	9.5	8.90
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3500.01	633334	9.5	8.86
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3500.01	633334	9.5	8.82

N78_L ANT5 (Power Level C1)

No.	Test Freq Description	5G-n78								Power Results
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	6.5	5.94
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	6.5	5.98
3	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	6.5	5.95
4	Middle	30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3500.01	633334	6.5	5.91
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n78								Power Results (dBm)
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	Middle	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3500.01	633334	6.5	5.89
2	Middle	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	6.5	5.95
3	Middle	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	6.5	5.89
4	Middle	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	6.5	5.96
5	Middle	30	20	CP-OFDM QPSK	Inner_Full	25_12	3500.01	633334	6.5	5.97
6	Middle	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3500.01	633334	6.5	5.96
7	Middle	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3500.01	633334	6.5	5.95
8	Middle	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3500.01	633334	6.5	5.97
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3500.01	633334	6.5	5.91
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3500.01	633334	6.5	5.95
1	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3500.01	633334	6.5	5.96
6	Middle	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3500.01	633334	6.5	5.94
9	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3500.01	633334	6.5	5.95
10	Middle	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3500.01	633334	6.5	5.95
11	Middle	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3500.01	633334	6.5	5.93
18	Middle-5	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3500.01	633334	6.5	5.97
18	Middle-5	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3500.01	633334	6.5	5.94
20	Middle-5	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3500.01	633334	6.5	5.91
22	Middle-5	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3500.01	633334	6.5	5.89

N78_H ANT5 (Power Level A1)

No.	Test Freq Description	5G-n78							Power Results (dBm)	
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3795	653000	24.5	24.27
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3750	650000	24.5	24.37
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3705	647000	24.5	23.76
12	Low/High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	24.5	24.21
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n78							Power Results (dBm)	
		SCS (kHz)	20	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	Middle-3	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3750	650000	24.5	24.22
2	Middle-3	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3750	650000	23.5	23.45
3	Middle-3	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3750	650000	22	21.88
4	Middle-3	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3750	650000	20	19.85
5	Middle-3	30	20	CP-OFDM QPSK	Inner_Full	25_12	3750	650000	23	22.86
6	Middle-3	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3750	650000	22.5	22.30
7	Middle-3	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3750	650000	21	20.88
8	Middle-3	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3750	650000	18	17.84
14	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3750	650000	23.5	23.41
15	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3750	650000	23.5	23.39
9	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3750	650000	23.5	23.49
10	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3750	650000	23.5	23.33
11	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3750	650000	24.5	24.33
12	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3750	650000	24.5	24.20
13	Middle-3	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3750	650000	23.5	23.14
16	Middle-1	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3750	650000	24.5	24.29
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3750	650000	24.5	24.20
17	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3750	650000	24.5	24.12
18	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3750	650000	24.5	23.97

N78_H ANT5 (Power Level B1)

No.	Test Freq Description	5G-n78							Power Results (dBm)	
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3795	653000	9.5	8.88
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3750	650000	9.5	8.94
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3705	647000	9.5	8.87
12	Low/High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	9.5	8.62
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n78							Power Results (dBm)	
		SCS (kHz)	20	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	Middle-3	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3750	650000	9.5	8.60
2	Middle-3	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3750	650000	9.5	8.68
3	Middle-3	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3750	650000	9.5	8.61
4	Middle-3	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3750	650000	9.5	8.68
5	Middle-3	30	20	CP-OFDM QPSK	Inner_Full	25_12	3750	650000	9.5	8.64
6	Middle-3	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3750	650000	9.5	8.68
7	Middle-3	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3750	650000	9.5	8.67
8	Middle-3	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3750	650000	9.5	8.67
14	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3750	650000	9.5	8.61
15	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3750	650000	9.5	8.62
9	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3750	650000	9.5	8.59
10	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3750	650000	9.5	8.63
11	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3750	650000	9.5	8.68
12	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3750	650000	9.5	8.66
13	Middle-3	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3750	650000	9.5	8.57
16	Middle-1	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3750	650000	9.5	8.61
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3750	650000	9.5	8.59
17	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3750	650000	9.5	8.52
18	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3750	650000	9.5	8.49

N78_H ANT5 (Power Level C1)

No.	Test Freq Description	5G-n78							Power Results (dBm)	
		SCS (kHz)	NR BW (MHz)	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	High	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3795	653000	6.5	5.79
2	Middle	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3750	650000	6.5	5.82
6	Low	30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3705	647000	6.5	5.79
12	Low/High	30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	6.5	5.76
According to the table above, the maximum power configuration is selected as the default test configuration										

No.	Test Freq Description	5G-n78							Power Results (dBm)	
		SCS (kHz)	20	Modulation	RB allocation		NR Test Freq. (MHz)	NR Test CH.	Tune up	n78
1	Middle-3	30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25_12	3750	650000	6.5	5.74
2	Middle-3	30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3750	650000	6.5	5.79
3	Middle-3	30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3750	650000	6.5	5.75
4	Middle-3	30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3750	650000	6.5	5.79
5	Middle-3	30	20	CP-OFDM QPSK	Inner_Full	25_12	3750	650000	6.5	5.77
6	Middle-3	30	20	CP-OFDM 16QAM	Inner_Full	25_12	3750	650000	6.5	5.79
7	Middle-3	30	20	CP-OFDM 64QAM	Inner_Full	25_12	3750	650000	6.5	5.79
8	Middle-3	30	20	CP-OFDM 256QAM	Inner_Full	25_12	3750	650000	6.5	5.79
14	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_Full_Right	2_49	3750	650000	6.5	5.75
15	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_Full_Left	2_0	3750	650000	6.5	5.76
9	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_1RB_Right	1_50	3750	650000	6.5	5.73
10	Middle-3	30	20	DFT-s-OFDM QPSK	Edge_1RB_Left	1_0	3750	650000	6.5	5.76
11	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_1RB_Right	1_49	3750	650000	6.5	5.79
12	Middle-3	30	20	DFT-s-OFDM QPSK	Inner_1RB_Left	1_1	3750	650000	6.5	5.78
13	Middle-3	30	20	DFT-s-OFDM QPSK	Outer_Full	50_0	3750	650000	6.5	5.72
16	Middle-1	30	30	DFT-s-OFDM QPSK	Inner_Full	36_18	3750	650000	6.5	5.75
16	Middle-1	30	40	DFT-s-OFDM QPSK	Inner_Full	50_25	3750	650000	6.5	5.73
17	Middle-1	30	60	DFT-s-OFDM QPSK	Inner_Full	81_40	3750	650000	6.5	5.68
18	Middle-1	30	80	DFT-s-OFDM QPSK	Inner_Full	108_54	3750	650000	6.5	5.66

11.5 Wi-Fi and BT Measurement result

The maximum output power of BT antenna is 10.43dBm.
The maximum tune up of BT antenna is 10.5dBm.

WIFI2.4G Tune up

Mode	Rate	Channel	Freq. (MHz)	Maximum (dBm)	Maximum (dBm)
				Sensor off	Sensor on
802.11b	1-11Mbps	1	2412	19	8.5
		6	2437	19	8.5
		11	2462	19	8.5
802.11g	6Mbps	1	2412	18.5	7.5
		6	2437	18.5	7.5
		11	2462	17.5	7.5
	9Mbps	1	2412	18	7.5
		6	2437	18	7.5
		11	2462	17.5	7.5
	12Mbps	1	2412	18	7.5
		6	2437	18	7.5
		11	2462	17.5	7.5
	18Mbps	1	2412	18	7.5
		6	2437	18	7.5
		11	2462	17.5	7.5
	24Mbps	1	2412	17.5	7.5
		6	2437	17.5	7.5
		11	2462	17.5	7.5
	36Mbps	1	2412	17.5	7.5
		6	2437	17.5	7.5
		11	2462	17.5	7.5
	48Mbps	1	2412	17.5	7.5
		6	2437	17.5	7.5
		11	2462	17.5	7.5
	54Mbps	1	2412	17	7.5
		6	2437	17	7.5
		11	2462	17	7.5
802.11n-20M	MCS0	1	2412	18.5	7.5
		6	2437	18.5	7.5
		11	2462	17	7.5
	MCS1	1	2412	18	7.5
		6	2437	18	7.5

		11	2462	17	7.5
	MCS2	1	2412	18	7.5
		6	2437	18	7.5
		11	2462	17	7.5
	MCS3	1	2412	18	7.5
		6	2437	18	7.5
		11	2462	17	7.5
	MCS4	1	2412	17.5	7.5
		6	2437	17.5	7.5
		11	2462	17	7.5
	MCS5	1	2412	17.5	7.5
		6	2437	17.5	7.5
		11	2462	17	7.5
	MCS6	1	2412	17.5	7.5
		6	2437	17.5	7.5
		11	2462	17	7.5
	MCS7	1	2412	17	7.5
		6	2437	17	7.5
		11	2462	17	7.5

WIFI5G Tune up

Mode	Rate	Channel	Freq. (MHz)	Maximum (dBm)	Maximum (dBm)
				Sensor off	Sensor on
802.11a 20M	6Mbps	36-48	5180-5260	17.5	5
		52-64	5260-5320	18	5
		100-136	5500-5680	18	5
		140	5700	15.5	5
		144-165	5720-5825	18	5
	9Mbps	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	12Mbps	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	18Mbps	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5

		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	24Mbps	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	36Mbps	36-64	5180-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	48Mbps	36-64	5180-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	54Mbps	36-64	5180-5320	17	5
		100-136	5500-5680	17	5
		140	5700	15.5	5
		144-165	5720-5825	17	5
802.11n 20M	MCS0	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS1	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS2	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS3	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS4	36-48	5180-5260	17.3	5

		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS5	36-64	5180-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS6	36-64	5180-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS7	36-64	5180-5320	17	5
		100-136	5500-5680	17	5
		140	5700	15.5	5
		144-165	5720-5825	17	5
802.11n 40M	MCS0	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-144	5500-5720	17.5	5
		149-165	5745-5825	17.5	5
	MCS1	36-64	5180-5320	17.5	5
		100-144	5500-5720	17.5	5
		149-165	5745-5825	17.5	5
	MCS2	36-64	5180-5320	17.5	5
		100-144	5500-5720	17.5	5
		149-165	5745-5825	17.5	5
	MCS3	36-64	5180-5320	17	5
		100-144	5500-5720	17	5
		149-165	5745-5825	17	5
	MCS4	36-64	5180-5320	17	5
		100-144	5500-5720	17	5
		149-165	5745-5825	17	5
	MCS5	36-64	5180-5320	16.5	5
		100-144	5500-5720	16.5	5
		149-165	5745-5825	16.5	5
	MCS6	36-64	5180-5320	16.5	5
		100-144	5500-5720	16.5	5
		149-165	5745-5825	16.5	5
	MCS7	36-64	5180-5320	16	5
		100-144	5500-5720	16	5
		149-165	5745-5825	16	5

802.11ac 20M	MCS0	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100	5500	17.5	5
		104-136	5520-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS1	36-48	5180-5260	17.5	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS2	36-48	5180-5260	17.5	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS3	36-48	5180-5260	17.5	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS4	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS5	36-64	5180-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS6	36-64	5180-5320	17.5	5
		100-136	5500-5680	17.5	5
		140	5700	15.5	5
		144-165	5720-5825	17.5	5
	MCS7	36-64	5180-5320	17	5
		100-136	5500-5680	17	5
		140	5700	15.5	5
		144-165	5720-5825	17	5
	MCS8	36-64	5180-5320	16.5	4.5
		100-136	5500-5680	16.5	4.5
		140	5700	15.5	4.5

		144-165	5720-5825	16.5	4.5
802.11ac 40M	MCS0	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		100-144	5500-5720	17.5	5
		149-165	5745-5825	17.5	5
	MCS1	36-64	5180-5320	17.5	5
		100-144	5500-5720	17.5	5
		149-165	5745-5825	17.5	5
	MCS2	36-64	5180-5320	17.5	5
		100-144	5500-5720	17.5	5
		149-165	5745-5825	17.5	5
	MCS3	36-64	5180-5320	17	5
		100-144	5500-5720	17	5
		149-165	5745-5825	17	5
	MCS4	36-64	5180-5320	17	5
		100-144	5500-5720	17	5
		149-165	5745-5825	17	5
	MCS5	36-64	5180-5320	16.5	5
		100-144	5500-5720	16.5	5
		149-165	5745-5825	16.5	5
	MCS6	36-64	5180-5320	16.5	5
		100-144	5500-5720	16.5	5
		149-165	5745-5825	16.5	5
	MCS7	36-64	5180-5320	16	5
		100-144	5500-5720	16	5
		149-165	5745-5825	16	5
	MCS8	36-64	5180-5320	14	4.5
		100-144	5500-5720	14	4.5
		149-165	5745-5825	14	4.5
	MCS9	36-64	5180-5320	13	4.0
		100-144	5500-5720	13	4.0
		149-165	5745-5825	13	4.0
802.11ac 80M	MCS0	36-48	5180-5260	17.3	5
		52-64	5260-5320	17.5	5
		42	5210	17	5
		48-64	5240-5320-	17.5	5
		100-144	5500-5720	17.5	5
		149-165	5745-5825	17.5	5
	MCS1	36-64	5180-5320	17	5
		100-144	5500-5720	17	5
		149-165	5745-5825	17	5

	MCS2	36-64	5180-5320	17	5
		100-144	5500-5720	17	5
		149-165	5745-5825	17	5
	MCS3	36-64	5180-5320	16	5
		100-144	5500-5720	16	5
		149-165	5745-5825	16	5
	MCS4	36-64	5180-5320	16	5
		100-144	5500-5720	16	5
		149-165	5745-5825	16	5
	MCS5	36-64	5180-5320	15.5	5
		100-144	5500-5720	15.5	5
		149-165	5745-5825	15.5	5
	MCS6	36-64	5180-5320	15	5
		100-144	5500-5720	15	5
		149-165	5745-5825	15	5
	MCS7	36-64	5180-5320	14	5
		100-144	5500-5720	14	5
		149-165	5745-5825	14	5
	MCS8	36-64	5180-5320	13	4.5
		100-144	5500-5720	13	4.5
		149-165	5745-5825	13	4.5
	MCS9	36-64	5180-5320	12.5	4.0
		100-144	5500-5720	12.5	4.0
		149-165	5745-5825	12.5	4.0

The average conducted power for Wi-Fi 2.4G is as following-Power Level A1

802.11b(dBm)								
Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps				
11(2462MHz)	17.51	17.50	17.19	17.23				
6(2437MHz)	17.44	/	/	/				
1(2412MHz)	17.24	/	/	/				
802.11g(dBm)								
Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
11(2462MHz)	15.74	/	/	/	/	/	/	/
6(2437MHz)	16.99	16.06	15.97	16.79	16.37	16.18	16.03	15.35
1(2412MHz)	16.82							
802.11n(dBm)-20MHz								
Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
11(2462MHz)	15.12							
6(2437MHz)	16.79	16.12	16.59	16.53	16.13	16.03	16.04	15.29
1(2412MHz)	16.73							

The average conducted power for Wi-Fi 2.4G is as following-Power Level B1

802.11b(dBm)								
Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps				
11(2462MHz)	7.09							
6(2437MHz)	6.85							
1(2412MHz)	7.45	7.37	7.28	7.24				
802.11g(dBm)								
Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
11(2462MHz)	6.18			6.88				
6(2437MHz)	6.09			6.75				
1(2412MHz)	6.76	6.57	6.50	7.29	7.03	6.67	6.79	6.61
802.11n(dBm)-20MHz								
Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
11(2462MHz)	6.10		6.71					
6(2437MHz)	5.93		6.58					
1(2412MHz)	6.63	6.23	7.21	6.75	6.71	6.67	6.73	6.69

The average conducted power for Wi-Fi 5G is as following-Power Level A1

802.11a(dBm)								
Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
36(5180 MHz)	16.57	/	/	/	/	/	/	/
40(5200 MHz)	16.60	/	/	/	/	/	/	/
44(5220 MHz)	16.65	16.54	16.49	16.52	16.31	15.92	15.87	15.25
48(5240 MHz)	16.37	/	/	/	/	/	/	/
52(5260 MHz)	16.63	/	/	/	/	/	/	/
56(5280 MHz)	16.86	/	/	/	/	/	/	/
60(5300 MHz)	17.04	/	/	/	/	/	/	/
64(5320 MHz)	17.20	17.13	17.08	17.17	17.03	16.51	16.48	15.82
100(5500 MHz)	16.86	/	/	/	/	/	/	/
104(5520 MHz)	16.95	/	/	/	/	/	/	/
108(5540 MHz)	16.93	/	/	/	/	/	/	/
112(5560 MHz)	17.05	17.03	17.03	17.01	16.85	16.48	16.44	16.32
116(5580 MHz)	16.97	/	/	/	/	/	/	/
120(5600 MHz)	16.65	/	/	/	/	/	/	/
124(5620 MHz)	16.52	/	/	/	/	/	/	/
128(5640 MHz)	16.59	/	/	/	/	/	/	/
132(5660 MHz)	16.61	/	/	/	/	/	/	/
136(5680 MHz)	16.62	/	/	/	/	/	/	/
140(5700 MHz)	14.20	/	/	/	/	/	/	/
144(5720 MHz)	16.67	/	/	/	/	/	/	/
149(5745 MHz)	17.00	/	/	/	/	/	/	/
153(5765 MHz)	16.95	/	/	/	/	/	/	/
157(5785 MHz)	17.18	17.10	17.08	16.93	16.70	16.49	16.35	15.84
161(5805 MHz)	17.15	/	/	/	/	/	/	/
165(5825 MHz)	17.12	/	/	/	/	/	/	/

The average conducted power for Wi-Fi 5G is as following-Power Level B1

802.11ac(dBm)-80MHz										
Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
42(5210 MHz)	4.41	4.26	4.13	3.93	3.15	2.94	2.92	2.86	2.73	2.65
58(5290 MHz)	4.61	4.23	4.81	4.73	3.86	3.71	3.65	3.62	3.48	2.70
106(5530 MHz)	4.77	4.25	4.19	3.69	3.03	2.90	2.82	2.51	2.79	2.69
122(5610 MHz)	4.48									
138(5690 MHz)	4.39									
155(5775 MHz)	4.77	4.71	4.56	4.36	3.70	3.50	3.41	3.37	3.24	2.49

12 Simultaneous TX SAR Considerations

12.1 Transmit Antenna Separation Distances

The detail for transmit antenna separation distances is described in the additional document:
Appendix to test report No.I23Z70158-SEM01
The photos of SAR test

12.2 SAR Measurement Positions

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

SAR measurement positions						
Mode	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
ANT0	No	Yes	No	Yes	Yes	No
ANT1	No	Yes	No	No	Yes	No
ANT4	No	Yes	Yes	No	Yes	No
ANT5	No	Yes	No	No	Yes	No
ANT6	No	Yes	No	No	Yes	No

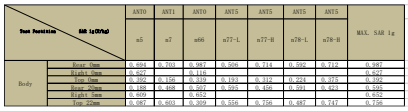
13 Evaluation of Simultaneous

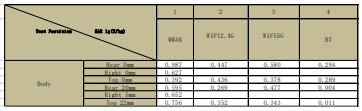
The sum of reported SAR values for SA +WiFi

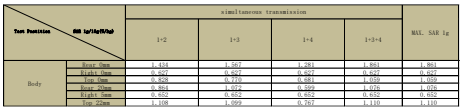
Test Postition / SAR 1g(W/kg)		ANT0 GSM850	ANT0 GSM1900	ANT0 WCDMA850	ANT0 WCDMA1700	ANT0 WCDMA1900	ANT0 LTE B2	ANT0 LTE B4	ANT1 LTE B7	ANT0 LTE B12	ANT0 LTE B13	ANT0 LTE B26	ANT1 LTE B38	ANT1 LTE B41	ANT0 LTE B66	MAX. SAR 1g
Body	Rear 0mm	0.405	0.998	0.699	0.863	0.753	0.671	0.818	0.677	0.865	0.945	0.768	0.363	0.318	0.877	0.998
	Right 0mm	0.461	0.177	0.602	0.083	0.158	0.177	0.221		0.405	0.570	0.588			0.206	0.602
	Top 0mm	0.251	0.382	0.364	0.423	0.487	0.611	0.389	0.143	0.365	0.520	0.322	0.132	0.124	0.456	0.611
	Rear 20mm	0.124	0.318	0.222	0.323	0.929	0.482	0.281	0.522	0.137	0.214	0.208	0.516	0.271	0.446	0.929
	Right 5mm	0.519	0.353	0.681	0.353	0.840	0.558	0.729		0.416	0.606	0.683			0.618	0.840
	Top 22mm	0.087	0.271	0.118	0.268	0.698	0.361	0.262	0.491	0.059	0.124	0.122	0.476	0.278	0.352	0.698

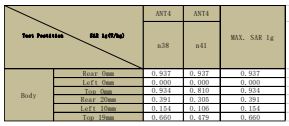
Test Postition / SAR 1g(W/kg)		1 WWAN	2 WIFI2.4G	3 WIFI5G	4 BT
Body	Rear 0mm	0.998	0.447	0.580	0.294
	Right 0mm	0.602			
	Top 0mm	0.611	0.436	0.378	0.289
	Rear 20mm	0.929	0.269	0.477	0.004
	Right 5mm	0.840			
	Top 22mm	0.698	0.352	0.343	0.011

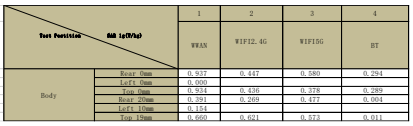
Test Postition / SAR 1g/10g(W/kg)		simultaneous transmission 1+2	1+3	1+4	1+3+4	MAX. SAR 1g
Body	Rear 0mm	1.445	1.578	1.292	1.872	1.872
	Right 0mm	0.602	0.602	0.602	0.602	0.602
	Top 0mm	1.047	0.989	0.900	1.278	1.278
	Rear 20mm	1.198	1.406	0.933	1.410	1.410
	Right 5mm	0.840	0.840	0.840	0.840	0.840
	Top 22mm	1.050	1.041	0.709	1.052	1.052

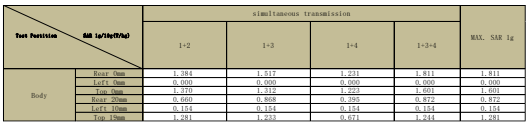




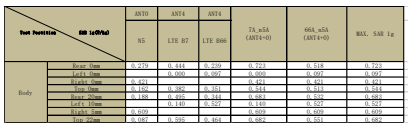


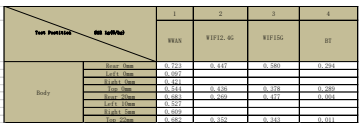


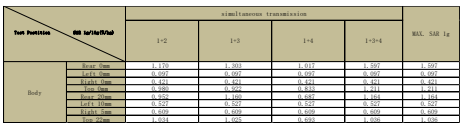


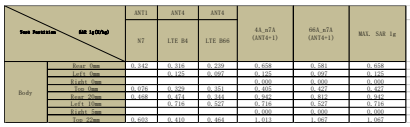


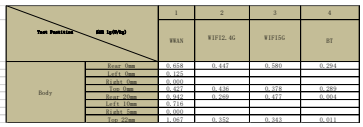
The sum of reported SAR values for ENDC +WiFi

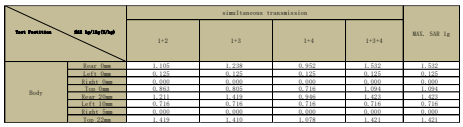


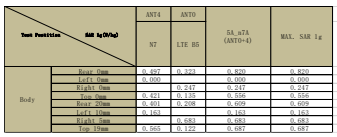


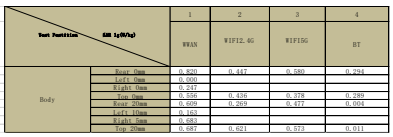


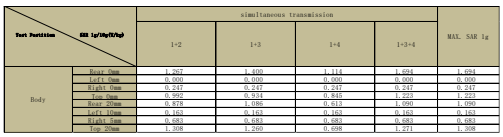


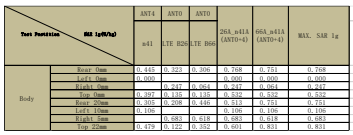


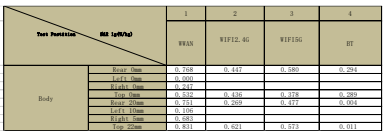


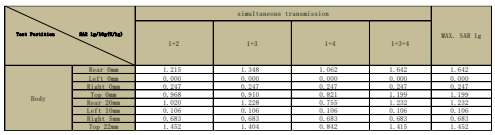


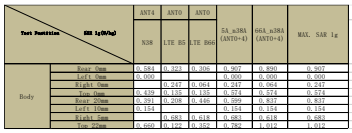


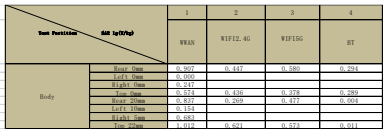


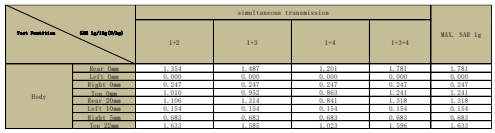












Test Postition / SAR 1g(W/kg)		ANT4 n66	ANT0 LTE B5	ANT1 LTE B7	5A_n66A (ANT0+4)	7A_n66A (ANT1+4)	MAX. SAR 1g
Body	Rear 0mm	0.380	0.323	0.276	0.703	0.656	0.703
	Left 0mm	0.380			0.380	0.380	0.380
	Right 0mm		0.247		0.247	0.000	0.247
	Top 0mm	0.455	0.135	0.108	0.590	0.563	0.590
	Rear 20mm	0.362	0.208	0.522	0.570	0.884	0.884
	Left 10mm	0.615			0.615	0.615	0.615
	Right 5mm		0.683		0.683	0.000	0.683
	Top 22mm	0.445	0.122	0.491	0.567	0.936	0.936

Test Postition / SAR 1g(W/kg)		1 WWAN	2 WIFI2.4G	3 WIFI5G	4 BT
Body	Rear 0mm	0.703	0.447	0.580	0.294
	Left 0mm	0.380			
	Right 0mm	0.247			
	Top 0mm	0.597	0.436	0.378	0.289
	Rear 20mm	0.884	0.269	0.477	0.004
	Left 10mm	0.615			
	Right 5mm	0.683			
	Top 22mm	0.936	0.621	0.573	0.011

Test Postition / SAR 1g/10g(W/kg)		simultaneous transmission 1+2	1+3	1+4	1+3+4	MAX. SAR 1g
Body	Rear 0mm	1.150	1.283	0.997	1.577	1.577
	Left 0mm	0.380	0.380	0.380	0.380	0.380
	Right 0mm	0.247	0.247	0.247	0.247	0.247
	Top 0mm	1.026	0.953	0.879	1.257	1.257
	Rear 20mm	1.153	1.261	0.888	1.365	1.365
	Left 10mm	0.615	0.615	0.615	0.615	0.615
	Right 5mm	0.683	0.683	0.683	0.683	0.683
	Top 22mm	1.557	1.509	0.947	1.520	1.557

N77-L

Test Postition / SAR 1g(W/kg)		ANT5 N77	ANT0 LTE B2	ANT0 LTE B5	ANT1 LTE B7	ANT1 LTE B41	ANT0 LTE B66	2A_n77A (ANT0+5)	5A_n77A (ANT0+5)	7A_n77A (ANT1+5)	41A_n77A (ANT1+5)	66A_n77A (ANT0+5)	MAX. SAR 1g
Body	Rear 0mm	0.312	0.289	0.323	0.276	0.143	0.306	0.601	0.635	0.588	0.455	0.618	0.635
	Left 0mm							0.000	0.000	0.000	0.000	0.000	0.000
	Right 0mm		0.068	0.247			0.064	0.068	0.247	0.000	0.000	0.064	0.247
	Top 0mm	0.106	0.218	0.135	0.108	0.040	0.135	0.324	0.241	0.214	0.146	0.241	0.324
	Rear 20mm	0.595	0.482	0.208	0.522	0.271	0.446	1.077	0.803	1.117	0.866	1.041	1.117
	Left 10mm							0.000	0.000	0.000	0.000	0.000	0.000
	Right 5mm		0.558	0.683			0.618	0.558	0.683	0.000	0.000	0.618	0.683
	Top 22mm	0.556	0.361	0.122	0.491	0.278	0.352	0.917	0.678	1.047	0.834	0.908	1.047

Test Postition / SAR 1g(W/kg)		1 WWAN	2 WIFI2.4G	3 WIFI5G	4 BT
Body	Rear 0mm	0.635	0.447	0.580	0.294
	Left 0mm	0.000			
	Right 0mm	0.247			
	Top 0mm	0.324	0.436	0.378	0.289
	Rear 20mm	1.117	0.269	0.477	0.004
	Left 10mm	0.000			
	Right 5mm	0.683			
	Top 22mm	1.047	0.352	0.343	0.011

Test Postition / SAR 1g/10g(W/kg)		simultaneous transmission 1+2	1+3	1+4	1+3+4	MAX. SAR 1g
Body	Rear 0mm	1.082	1.215	0.929	1.509	1.509
	Left 0mm	0.000	0.000	0.000	0.000	0.000
	Right 0mm	0.247	0.247	0.247	0.247	0.247
	Top 0mm	0.760	0.702	0.613	0.991	0.991
	Rear 20mm	1.386	1.594	1.121	1.598	1.598
	Left 10mm	0.000	0.000	0.000	0.000	0.000
	Right 5mm	0.683	0.683	0.683	0.683	0.683
	Top 22mm	1.399	1.390	1.058	1.401	1.401

N77-H

Test Postition / SAR 1g(W/kg)		ANT5 N77	ANT0 LTE B2	ANT0 LTE B5	ANT1 LTE B7	ANT1 LTE B41	ANT0 LTE B66	2A_n77A (ANT0+5)	5A_n77A (ANT0+5)	7A_n77A(ANT1+5)	41A_n77A (ANT1+5)	66A_n77A (ANT0+5)	MAX. SAR 1g
Body	Rear 0mm	0.365	0.289	0.323	0.276	0.143	0.306	0.654	0.688	0.641	0.508	0.671	0.688
	Left 0mm							0.000	0.000	0.000	0.000	0.000	0.000
	Right 0mm		0.068	0.247			0.064	0.068	0.247	0.000	0.000	0.064	0.247
	Top 0mm	0.147	0.218	0.135	0.108	0.040	0.135	0.365	0.282	0.255	0.187	0.282	0.365
	Rear 20mm	0.456	0.482	0.208	0.522	0.271	0.446	0.938	0.664	0.978	0.727	0.902	0.978
	Left 10mm							0.000	0.000	0.000	0.000	0.000	0.000
	Right 5mm		0.558	0.683			0.618	0.558	0.683	0.000	0.000	0.618	0.683
	Top 22mm	0.747	0.361	0.122	0.491	0.278	0.352	1.108	0.869	1.238	1.025	1.099	1.238

Test Postition / SAR 1g(W/kg)		1 WWAN	2 WIFI2.4G	3 WIFI5G	4 BT
Body	Rear 0mm	0.688	0.447	0.580	0.294
	Left 0mm	0.000			
	Right 0mm	0.247			
	Top 0mm	0.365	0.436	0.378	0.289
	Rear 20mm	0.978	0.269	0.477	0.004
	Left 10mm	0.000			
	Right 5mm	0.683			
	Top 22mm	1.238	0.352	0.343	0.011

Test Postition / SAR 1g/10g(W/kg)		simultaneous transmission 1+2	1+3	1+4	1+3+4	MAX. SAR 1g
Body	Rear 0mm	1.135	1.268	0.982	1.562	1.562
	Left 0mm	0.000	0.000	0.000	0.000	0.000
	Right 0mm	0.247	0.247	0.247	0.247	0.247
	Top 0mm	0.801	0.743	0.654	1.032	1.032
	Rear 20mm	1.247	1.455	0.982	1.459	1.459
	Left 10mm	0.000	0.000	0.000	0.000	0.000
	Right 5mm	0.683	0.683	0.683	0.683	0.683
	Top 22mm	1.590	1.581	1.249	1.592	1.592

N78-L

Test Postition / SAR 1g(W/kg)		ANT5 N78	ANT0 LTE B2	ANT0 LTE B4	ANT0 LTE B5	ANT1 LTE B7	ANT0 LTE B26	ANT1 LTE B38	ANT1 LTE B41	ANT0 LTE B66	2A_n78A (ANT0+5)	4A_n78A (ANT0+5)	5A_n78A (ANT0+5)	7A_n78A (ANT1+5)	26A_n78A (ANT0+5)	38A_n78A (ANT1+5)	41A_n78A (ANT1+5)	66A_n78A (ANT0+5)	MAX. SAR 1g
Body	Rear 0mm	0.278	0.289	0.289	0.323	0.276	0.323	0.181	0.143	0.306	0.567	0.567	0.601	0.554	0.601	0.459	0.421	0.584	0.601
	Left 0mm										0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right 0mm		0.068	0.090	0.247		0.247			0.064	0.068	0.090	0.247	0.000	0.247	0.000	0.000	0.064	0.247
	Top 0mm	0.080	0.218	0.155	0.135	0.108	0.135	0.070	0.040	0.135	0.298	0.235	0.215	0.188	0.215	0.150	0.120	0.215	0.298
	Rear 20mm	0.591	0.482	0.281	0.208	0.522	0.208	0.516	0.271	0.446	1.073	0.872	0.799	1.113	0.799	1.107	0.862	1.037	1.113
	Left 10mm										0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right 5mm		0.558	0.729	0.683		0.683			0.618	0.558	0.729	0.683	0.000	0.683	0.000	0.000	0.618	0.729
	Top 22mm	0.487	0.361	0.262	0.122	0.491	0.122	0.476	0.278	0.352	0.848	0.749	0.609	0.978	0.609	0.963	0.765	0.839	0.978

Test Postition / SAR 1g(W/kg)		1 WWAN	2 WIFI2.4G	3 WIFI5G	4 BT
Body	Rear 0mm	0.601	0.447	0.580	0.294
	Left 0mm	0.000			
	Right 0mm	0.247			
	Top 0mm	0.298	0.436	0.378	0.289
	Rear 20mm	1.113	0.269	0.477	0.004
	Left 10mm	0.000			
	Right 5mm	0.729			
	Top 22mm	0.978	0.352	0.343	0.011

Test Postition / SAR 1g/10g(W/kg)		simultaneous transmission 1+2	1+3	1+4	1+3+4	MAX. SAR 1g
Body	Rear 0mm	1.048	1.181	0.895	1.475	1.475
	Left 0mm	0.000	0.000	0.000	0.000	0.000
	Right 0mm	0.247	0.247	0.247	0.247	0.247
	Top 0mm	0.734	0.676	0.587	0.965	0.965
	Rear 20mm	1.382	1.590	1.117	1.594	1.594
	Left 10mm	0.000	0.000	0.000	0.000	0.000
	Right 5mm	0.729	0.729	0.729	0.729	0.729
	Top 22mm	1.330	1.321	0.989	1.332	1.332

N78-H

Test Position / SAR 1g(W/kg)		ANT5 N78	ANT0 LTE B2	ANT0 LTE B4	ANT0 LTE B5	ANT1 LTE B7	ANT0 LTE B26	ANT1 LTE B38	ANT1 LTE B41	ANT0 LTE B66	2A_n78A (ANT0+5)	4A_n78A (ANT0+5)	5A_n78A (ANT0+5)	7A_n78A (ANT1+5)	26A_n78A (ANT0+5)	38A_n78A (ANT1+5)	41A_n78A (ANT1+5)	66A_n78A (ANT0+5)	MAX. SAR 1g
Body	Rear 0mm	0.366	0.289	0.289	0.323	0.276	0.323	0.181	0.143	0.306	0.655	0.655	0.689	0.642	0.689	0.547	0.509	0.672	0.689
	Left 0mm										0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right 0mm		0.068	0.090	0.247		0.247			0.064	0.068	0.090	0.247	0.000	0.247	0.000	0.000	0.064	0.247
	Top 0mm	0.198	0.218	0.155	0.135	0.108	0.135	0.070	0.040	0.135	0.416	0.353	0.333	0.306	0.333	0.268	0.238	0.333	0.416
	Rear 20mm	0.423	0.482	0.281	0.208	0.522	0.208	0.516	0.271	0.446	0.905	0.704	0.631	0.945	0.631	0.939	0.694	0.869	0.945
	Left 10mm										0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right 5mm		0.558	0.729	0.683		0.683			0.618	0.558	0.729	0.683	0.000	0.683	0.000	0.000	0.618	0.729
	Top 22mm	0.630	0.361	0.262	0.122	0.491	0.122	0.476	0.278	0.352	0.991	0.892	0.752	1.121	0.752	1.106	0.908	0.982	1.121

Test Position / SAR 1g(W/kg)		ANT5 N78	ANT0 LTE B2	ANT0 LTE B4	ANT0 LTE B5	ANT1 LTE B7	ANT0 LTE B26	ANT1 LTE B38	ANT1 LTE B41	ANT0 LTE B66	2A_n78A (ANT0+5)	4A_n78A (ANT0+5)	5A_n78A (ANT0+5)	7A_n78A (ANT1+5)	26A_n78A (ANT0+5)	38A_n78A (ANT1+5)	41A_n78A (ANT1+5)	66A_n78A (ANT0+5)	MAX. SAR 1g
Body	Rear 0mm	0.366	0.289	0.289	0.323	0.276	0.323	0.181	0.143	0.306	0.655	0.655	0.689	0.642	0.689	0.547	0.509	0.672	0.689
	Left 0mm										0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right 0mm		0.068	0.090	0.247		0.247			0.064	0.068	0.090	0.247	0.000	0.247	0.000	0.000	0.064	0.247
	Top 0mm	0.198	0.218	0.155	0.135	0.108	0.135	0.070	0.040	0.135	0.416	0.353	0.333	0.306	0.333	0.268	0.238	0.333	0.416
	Rear 20mm	0.423	0.482	0.281	0.208	0.522	0.208	0.516	0.271	0.446	0.905	0.704	0.631	0.945	0.631	0.939	0.694	0.869	0.945
	Left 10mm										0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right 5mm		0.558	0.729	0.683		0.683			0.618	0.558	0.729	0.683	0.000	0.683	0.000	0.000	0.618	0.729
	Top 22mm	0.630	0.361	0.262	0.122	0.491	0.122	0.476	0.278	0.352	0.991	0.892	0.752	1.121	0.752	1.106	0.908	0.982	1.121

Position	WWAN (W/kg)		WLAN5G (W/kg)	BT (W/kg)	Sum (W/kg)	SPLSR
Rear (0mm)	GSM1900	0.998	0.580	0.294	1.87	Yes
	WCDMA1700	0.863	0.580	0.294	1.74	Yes
	WCDMA1900	0.753	0.580	0.294	1.63	Yes
	LTE B4	0.818	0.580	0.294	1.69	Yes
	LTE B12	0.865	0.580	0.294	1.74	Yes
	LTE B13	0.945	0.580	0.294	1.82	Yes
	LTE B26	0.768	0.580	0.294	1.64	Yes
	LTE B66	0.877	0.580	0.294	1.75	Yes
	n38	0.937	0.580	0.294	1.81	Yes
	n41	0.937	0.580	0.294	1.81	Yes
	n66	0.987	0.580	0.294	1.86	Yes
Top (0mm)	n38	0.934	0.378	0.289	1.60	Yes

Band	Position	SAR(W/kg)	distance	Pair SAR sum(W/kg)	SPLSR	Simultaneous SAR
GSM1900	Rear 0mm	0.998	104.1	1.872	0.025	Not required
WLAN 5G		0.874				
WCDMA1700	Rear 0mm	0.863	99.5	1.737	0.023	Not required
WLAN 5G		0.874				
WCDMA1900	Rear 0mm	0.753	102.02	1.627	0.020	Not required
WLAN 5G		0.874				
LTE B4	Rear 0mm	0.818	106.51	1.692	0.021	Not required
WLAN 5G		0.874				
LTE B12	Rear 0mm	0.865	77.11	1.739	0.030	Not required
WLAN 5G		0.874				
LTE B13	Rear 0mm	0.945	75.62	1.819	0.032	Not required
WLAN 5G		0.874				
LTE B26	Rear 0mm	0.768	77.2	1.642	0.027	Not required
WLAN 5G		0.874				
LTE B66	Rear 0mm	0.877	106.51	1.751	0.022	Not required
WLAN 5G		0.874				
n38	Rear 0mm	0.937	108.01	1.811	0.023	Not required
WLAN 5G		0.874				
n41	Rear 0mm	0.937	114	1.811	0.021	Not required
WLAN 5G		0.874				
n66	Rear 0mm	0.987	101.7	1.861	0.025	Not required
WLAN 5G		0.874				
n38	Top 0mm	0.934	114.05	1.601	0.018	Not required
WLAN 5G		0.667				

Band	Position	SAR(W/kg)	distance	Pair SAR sum(W/kg)	SPLSR	Simultaneous SAR
GSM1900	Rear 0mm	0.998	99.12	1.872	0.026	Not required
BT		0.874				
WCDMA1700	Rear 0mm	0.863	94.56	1.737	0.024	Not required
BT		0.874				
WCDMA1900	Rear 0mm	0.753	96.94	1.627	0.021	Not required
BT		0.874				
LTE B4	Rear 0mm	0.818	101.3	1.692	0.022	Not required
BT		0.874				
LTE B12	Rear 0mm	0.865	71.67	1.739	0.032	Not required
BT		0.874				
LTE B13	Rear 0mm	0.945	70.17	1.819	0.035	Not required
BT		0.874				
LTE B26	Rear 0mm	0.768	71.77	1.642	0.029	Not required
BT		0.874				
LTE B66	Rear 0mm	0.877	101.3	1.751	0.023	Not required
BT		0.874				
n38	Rear 0mm	0.937	113.27	1.811	0.022	Not required
BT		0.874				
n41	Rear 0mm	0.937	118.75	1.811	0.021	Not required
BT		0.874				
n66	Rear 0mm	0.987	96.41	1.861	0.026	Not required
BT		0.874				
n38	Top 0mm	0.934	109.75	1.601	0.018	Not required
BT		0.667				

Position	WWAN (W/kg)		WLAN5G (W/kg)	BT (W/kg)	Sum (W/kg)	SPLSR
Rear	5A_n7A(ANT0+4)	0.923	0.580	0.294	1.797	Yes

Band	Position	SAR(W/kg)	distance	Pair SAR sum(W/kg)	SPLSR	Simultaneous SAR
LTE B5	Rear 0mm	0.323	74.22	1.197	0.018	Not required
WLAN 5G		0.874				
NR n7		0.497	112.6	1.371	0.014	Not required
WLAN 5G		0.874				

Band	Position	SAR(W/kg)	distance	Pair SAR sum(W/kg)	SPLSR	Simultaneous SAR
LTE B5	Rear 0mm	0.323	69.18	1.197	0.019	Not required
BT		0.874				
NR n7		0.497	117.6	1.371	0.014	Not required
BT		0.874				

Position	WWAN (W/kg)		WLAN5G (W/kg)	BT (W/kg)	Sum (W/kg)	SPLSR
Rear (0mm)	26A_n41A(ANT0+4)	0.871	0.580	0.294	1.745	Yes
	66A_n41A(ANT0+4)	0.831	0.580	0.294	1.705	Yes

Band	Position	SAR(W/kg)	distance	Pair SAR sum(W/kg)	SPLSR	Simultaneous SAR
LTE B26	Rear 0mm	0.323	74.22	1.197	0.018	Not required
WLAN 5G		0.874				
NR n41		0.445	107.56	1.319	0.014	Not required
WLAN 5G		0.874				
LTE B66	Rear 0mm	0.306	106.51	1.180	0.012	Not required
WLAN 5G		0.874				
NR n41		0.445	107.56	1.319	0.014	Not required
WLAN 5G		0.874				

Band	Position	SAR(W/kg)	distance	Pair SAR sum(W/kg)	SPLSR	Simultaneous SAR
LTE B26	Rear 0mm	0.323	69.18	1.197	0.019	Not required
BT		0.874				
NR n41		0.445	112.43	1.319	0.013	Not required
BT		0.874				
LTE B66	Rear 0mm	0.306	101.3	1.180	0.013	Not required
BT		0.874				
NR n41		0.445	112.43	1.319	0.013	Not required
BT		0.874				

Position	WWAN (W/kg)		WLAN5G (W/kg)	BT (W/kg)	Sum (W/kg)	SPLSR
Rear (0mm)	5A_n38A(ANT0+4)	1.010	0.580	0.294	1.884	Yes
	66A_n38A(ANT0+4)	0.970	0.580	0.294	1.844	Yes
Position	WWAN (W/kg)		WLAN2.4G (W/kg)	Sum (W/kg)	SPLSR	
Top (22mm)	66A_n38A(ANT0+4)	1.012	0.621	1.633	Yes	

Band	Position	SAR(W/kg)	distance	Pair SAR sum(W/kg)	SPLSR	Simultaneous SAR
LTE B5	Rear 0mm	0.323	74.22	1.197	0.018	Not required
WLAN 5G		0.874				
NR n38		0.584	114.6	1.458	0.015	Not required
WLAN 5G		0.874				
LTE B66	Rear 0mm	0.306	106.51	1.180	0.012	Not required
WLAN 5G		0.874				
NR n38		0.584	114.6	1.458	0.015	Not required
WLAN 5G		0.874				
LTE B66	Top 22mm	0.352	105.47	0.973	0.009	Not required
WLAN 2.4G		0.621				
NR n38		0.660	118.95	1.281	0.012	Not required
WLAN 2.4G		0.621				

Band	Position	SAR(W/kg)	distance	Pair SAR sum(W/kg)	SPLSR	Simultaneous SAR
LTE B5	Rear 0mm	0.323	69.18	1.197	0.019	Not required
BT		0.874				
NR n38		0.584	119.6	1.458	0.015	Not required
BT		0.874				
LTE B66	Rear 0mm	0.306	101.3	1.180	0.013	Not required
BT		0.874				
NR n38		0.584	119.6	1.458	0.015	Not required
BT		0.874				

14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom.
The distance is 10 mm and just applied to the condition of body worn accessory.
It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-g SAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or more than 1.2W/kg.
The calculated SAR is obtained by the following formula:

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

Where P_{Target} is the power of manufacturing upper limit;
$P_{Measured}$ is the measured power in chapter 11.

Table 14.1: Duty Cycle

Mode	Duty Cycle
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&LTE FDD	1:1
LTE TDD	1:1.58

14.1 SAR results for 2G/3G/4G

ANT	Test Position	Phantom position L/RF	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test setup	Distance	Figure No.	Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	Body	F	GSM850	190	836.6	GPRS(2TX)	Rear	0mm	FIG A.1	\	22.61	24.20	0.281	**0.405**	0.171	**0.247**	0.02
0	Body	F	GSM850	190	836.6	GPRS(2TX)	Right	0mm	\	\	22.61	24.20	0.320	**0.461**	0.174	**0.251**	-0.06
0	Body	F	GSM850	190	836.6	GPRS(2TX)	Top	0mm	\	\	22.61	24.20	0.174	**0.251**	0.082	**0.118**	-0.17
0	Body	F	GSM850	190	836.6	GPRS(3TX)	Rear	20mm	\	\	28.26	28.50	0.117	**0.124**	0.091	**0.096**	0.19
0	Body	F	GSM850	251	848.8	GPRS(3TX)	Right	5mm	\	\	28.31	28.50	0.497	**0.519**	0.327	**0.342**	-0.07
0	Body	F	GSM850	190	836.6	GPRS(3TX)	Right	5mm	\	\	28.26	28.50	0.382	**0.404**	0.264	**0.279**	0.04
0	Body	F	GSM850	128	824.2	GPRS(3TX)	Right	5mm	\	\	28.03	28.50	0.442	**0.493**	0.291	**0.324**	0.13
0	Body	F	GSM850	190	836.6	GPRS(3TX)	Top	22mm	\	\	28.26	28.50	0.082	**0.087**	0.057	**0.060**	0.15
0	Body	F	GSM850	251	848.8	EGPRS(3TX)	Right	5mm	\	\	28.17	28.50	0.414	**0.447**	0.288	**0.311**	-0.09
0	Body	F	GSM1900	810	1909.8	GPRS(2TX)	Rear	0mm	\	\	18.69	20.40	0.673	**0.998**	0.262	**0.388**	0.14
0	Body	F	GSM1900	661	1880	GPRS(2TX)	Rear	0mm	FIG A.2	\	18.76	20.40	0.558	**0.814**	0.197	**0.287**	0.07
0	Body	F	GSM1900	512	1850.2	GPRS(2TX)	Rear	0mm	\	\	18.65	20.40	0.576	**0.862**	0.229	**0.343**	-0.15
0	Body	F	GSM1900	661	1880	GPRS(2TX)	Right	0mm	\	\	18.76	20.40	0.121	**0.177**	0.045	**0.066**	0.06
0	Body	F	GSM1900	661	1880	GPRS(2TX)	Top	0mm	\	\	18.76	20.40	0.262	**0.382**	0.101	**0.147**	-0.15
0	Body	F	GSM1900	810	1909.8	EGPRS(2TX)	Rear	0mm	\	\	18.62	20.40	0.411	**0.619**	0.155	**0.234**	-0.08
0	Body	F	GSM1900	661	1880	GPRS(2TX)	Rear	20mm	\	\	26.98	28.50	0.224	**0.318**	0.132	**0.187**	-0.15
0	Body	F	GSM1900	661	1880	GPRS(2TX)	Right	5mm	\	\	26.98	28.50	0.249	**0.353**	0.137	**0.194**	-0.02
0	Body	F	GSM1900	661	1880	GPRS(2TX)	Top	22mm	\	\	26.98	28.50	0.191	**0.271**	0.110	**0.156**	-0.18
0	Body	F	WCDMA 850	4183	836.6	RMC	Rear	0mm	\	\	18.34	19.50	0.530	**0.692**	0.306	**0.400**	0.08
0	Body	F	WCDMA 850	4183	836.6	RMC	Rear	0mm	FIG A.3	\	18.38	19.50	0.540	**0.699**	0.315	**0.408**	-0.12
0	Body	F	WCDMA 850	4183	836.6	RMC	Rear	0mm	\	\	18.41	19.50	0.521	**0.670**	0.298	**0.383**	0.16
0	Body	F	WCDMA 850	4183	836.6	RMC	Right	0mm	\	\	18.38	19.50	0.465	**0.602**	0.251	**0.325**	-0.15
0	Body	F	WCDMA 850	4183	836.6	RMC	Top	0mm	\	\	18.38	19.50	0.281	**0.364**	0.127	**0.164**	-0.03
0	Body	F	WCDMA 850	4183	836.6	RMC	Rear	20mm	\	\	22.47	24.00	0.156	**0.222**	0.116	**0.165**	0.19
0	Body	F	WCDMA 850	4183	836.6	RMC	Right	5mm	\	\	22.47	24.00	0.479	**0.681**	0.312	**0.444**	0.16
0	Body	F	WCDMA 850	4183	836.6	RMC	Top	22mm	\	\	22.47	24.00	0.083	**0.118**	0.056	**0.080**	-0.11
0	Body	F	WCDMA1700	1513	1752.6	RMC	Rear	0mm	\	\	11.63	13.00	0.538	**0.738**	0.198	**0.271**	0.10
0	Body	F	WCDMA1700	1412	1732.5	RMC	Rear	0mm	\	\	11.65	13.00	0.523	**0.714**	0.206	**0.281**	0.01
0	Body	F	WCDMA1700	1312	1712.4	RMC	Rear	0mm	FIG A.4	\	11.58	13.00	0.622	**0.863**	0.238	**0.330**	0.10
0	Body	F	WCDMA1700	1412	1732.5	RMC	Right	0mm	\	\	11.65	13.00	0.061	**0.083**	0.025	**0.034**	-0.11
0	Body	F	WCDMA1700	1412	1732.5	RMC	Top	0mm	\	\	11.65	13.00	0.310	**0.423**	0.118	**0.161**	-0.03
0	Body	F	WCDMA1700	1412	1732.5	RMC	Rear	20mm	\	\	23.08	24.00	0.261	**0.323**	0.161	**0.199**	0.07
0	Body	F	WCDMA1700	1412	1732.5	RMC	Right	5mm	\	\	23.08	24.00	0.286	**0.353**	0.168	**0.208**	0.09
0	Body	F	WCDMA1700	1412	1732.5	RMC	Top	22mm	\	\	23.08	24.00	0.217	**0.268**	0.131	**0.162**	-0.12
0	Body	F	WCDMA1900	9400	1880	RMC	Rear	0mm	\	\	11.91	13.00	0.586	**0.753**	0.232	**0.298**	-0.11
0	Body	F	WCDMA1900	9400	1880	RMC	Right	0mm	\	\	11.91	13.00	0.123	**0.158**	0.044	**0.057**	-0.18
0	Body	F	WCDMA1900	9400	1880	RMC	Top	0mm	\	\	11.91	13.00	0.379	**0.487**	0.142	**0.183**	0.11
0	Body	F	WCDMA1900	9538	1907.6	RMC	Rear	20mm	\	\	23.69	25.50	0.558	**0.847**	0.310	**0.470**	-0.13
0	Body	F	WCDMA1900	9400	1880	RMC	Rear	20mm	FIG A.5	\	23.90	25.50	0.643	**0.929**	0.368	**0.532**	-0.02
0	Body	F	WCDMA1900	9262	1852.4	RMC	Rear	20mm	\	\	23.93	25.50	0.572	**0.821**	0.327	**0.469**	-0.17
0	Body	F	WCDMA1900	9538	1907.6	RMC	Right	5mm	\	\	23.69	25.50	0.537	**0.815**	0.302	**0.458**	0.15
0	Body	F	WCDMA1900	9400	1880	RMC	Right	5mm	\	\	23.90	25.50	0.581	**0.840**	0.324	**0.468**	-0.13
0	Body	F	WCDMA1900	9262	1852.4	RMC	Right	5mm	\	\	23.93	25.50	0.566	**0.812**	0.317	**0.455**	0.02
0	Body	F	WCDMA1900	9400	1880	RMC	Top	22mm	\	\	23.90	25.50	0.483	**0.698**	0.300	**0.434**	-0.05
0	Body	F	LTE Band2	19100	1900	1RB-Low	Rear	0mm	FIG A.6	Note1	11.57	13.00	0.483	**0.671**	0.209	**0.291**	0.10
0	Body	F	LTE Band2	19100	1900	1RB-Low	Right	0mm	\	Note1	11.57	13.00	0.127	**0.177**	0.045	**0.063**	-0.06
0	Body	F	LTE Band2	19100	1900	1RB-Low	Top	0mm	\	Note1	11.57	13.00	0.397	**0.552**	0.140	**0.195**	0.15
0	Body	F	LTE Band2	18700	1860	50RB-Low	Rear	0mm	\	Note1	11.68	13.00	0.460	**0.623**	0.206	**0.279**	-0.14
0	Body	F	LTE Band2	18700	1860	50RB-Low	Right	0mm	\	Note1	11.68	13.00	0.121	**0.164**	0.044	**0.060**	-0.12
0	Body	F	LTE Band2	18700	1860	50RB-Low	Top	0mm	\	Note1	11.68	13.00	0.451	**0.611**	0.138	**0.187**	-0.02
0	Body	F	LTE Band2	18700	1860	1RB-Low	Rear	0mm	\	Note2	8.33	9.00	0.248	**0.289**	0.103	**0.120**	-0.10
0	Body	F	LTE Band2	18700	1860	1RB-Low	Right	0mm	\	Note2	8.33	9.00	0.058	**0.068**	0.021	**0.025**	0.16
0	Body	F	LTE Band2	18700	1860	1RB-Low	Top	0mm	\	Note2	8.33	9.00	0.187	**0.218**	0.064	**0.075**	0.16
0	Body	F	LTE Band2	18700	1860	50RB-Low	Rear	0mm	\	Note2	8.40	9.00	0.244	**0.280**	0.102	**0.117**	0.08
0	Body	F	LTE Band2	18700	1860	50RB-Low	Right	0mm	\	Note2	8.40	9.00	0.051	**0.059**	0.021	**0.024**	-0.06
0	Body	F	LTE Band2	18700	1860	50RB-Low	Top	0mm	\	Note2	8.40	9.00	0.183	**0.210**	0.068	**0.078**	-0.05
0	Body	F	LTE Band2	18900	1880	1RB-Low	Rear	20mm	\		22.84	24.50	0.329	**0.482**	0.194	**0.284**	0.07
0	Body	F	LTE Band2	18900	1880	1RB-Low	Right	5mm	\		22.84	24.50	0.381	**0.558**	0.212	**0.311**	0.07
0	Body	F	LTE Band2	18900	1880	1RB-Low	Top	22mm	\		22.84	24.50	0.246	**0.361**	0.149	**0.218**	-0.11
0	Body	F	LTE Band2	18700	1860	50RB-Middle	Rear	20mm	\		21.98	23.50	0.263	**0.373**	0.175	**0.248**	-0.14
0	Body	F	LTE Band2	18700	1860	50RB-Middle	Right	5mm	\		21.98	23.50	0.261	**0.370**	0.159	**0.226**	-0.02
0	Body	F	LTE Band2	18700	1860	50RB-Middle	Top	22mm	\		21.98	23.50	0.197	**0.280**	0.134	**0.190**	-0.05

ANT	Test Position	Phantom position L/R/F	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test setup	Distance	Figure No.	Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	Body	F	LTE Band4	20175	1732.5	1RB-Low	Rear	0mm	\	Note1	12.82	14.50	0.467	**0.688**	0.246	**0.362**	-0.17
0	Body	F	LTE Band4	20175	1732.5	1RB-Low	Right	0mm	\	Note1	12.82	14.50	0.133	**0.196**	0.068	**0.100**	-0.01
0	Body	F	LTE Band4	20175	1732.5	1RB-Low	Top	0mm	\	Note1	12.82	14.50	0.234	**0.345**	0.105	**0.155**	-0.04
0	Body	F	LTE Band4	20300	1745	50RB-Low	Rear	0mm	FIG A.7	Note1	12.79	14.50	0.552	**0.818**	0.245	**0.363**	0.15
0	Body	F	LTE Band4	20175	1732.5	50RB-Low	Rear	0mm	\	Note1	12.79	14.50	0.546	**0.809**	0.243	**0.360**	-0.14
0	Body	F	LTE Band4	20050	1720	50RB-Middle	Rear	0mm	\	Note1	12.82	14.50	0.527	**0.776**	0.253	**0.372**	-0.02
0	Body	F	LTE Band4	20050	1720	50RB-Middle	Right	0mm	\	Note1	12.82	14.50	0.150	**0.221**	0.070	**0.103**	0.18
0	Body	F	LTE Band4	20050	1720	50RB-Middle	Top	0mm	\	Note1	12.82	14.50	0.264	**0.389**	0.108	**0.159**	0.19
0	Body	F	LTE Band4	20050	1720	100RB	Rear	0mm	\	Note1	12.77	14.50	0.508	**0.757**	0.244	**0.363**	0.16
0	Body	F	LTE Band4	20175	1732.5	1RB-Middle	Rear	0mm	\	Note2	9.36	10.00	0.249	**0.289**	0.107	**0.124**	0.09
0	Body	F	LTE Band4	20175	1732.5	1RB-Middle	Right	0mm	\	Note2	9.36	10.00	0.078	**0.090**	0.032	**0.037**	-0.04
0	Body	F	LTE Band4	20175	1732.5	1RB-Middle	Top	0mm	\	Note2	9.36	10.00	0.117	**0.136**	0.046	**0.053**	0.14
0	Body	F	LTE Band4	20050	1720	50RB-High	Rear	0mm	\	Note2	9.47	10.00	0.247	**0.279**	0.107	**0.121**	0.13
0	Body	F	LTE Band4	20050	1720	50RB-High	Right	0mm	\	Note2	9.47	10.00	0.069	**0.078**	0.032	**0.036**	0.08
0	Body	F	LTE Band4	20050	1720	50RB-High	Top	0mm	\	Note2	9.47	10.00	0.137	**0.155**	0.059	**0.067**	0.07
0	Body	F	LTE Band4	20175	1732.5	1RB-Low	Rear	20mm	\	\	22.92	24.50	0.195	**0.281**	0.120	**0.173**	0.03
0	Body	F	LTE Band4	20175	1732.5	1RB-Low	Right	5mm	\	\	22.92	24.50	0.507	**0.729**	0.294	**0.423**	-0.09
0	Body	F	LTE Band4	20175	1732.5	1RB-Low	Top	22mm	\	\	22.92	24.50	0.182	**0.262**	0.111	**0.160**	0.05
0	Body	F	LTE Band4	20050	1720	50RB-Low	Rear	20mm	\	\	22.02	23.50	0.176	**0.247**	0.108	**0.152**	-0.17
0	Body	F	LTE Band4	20050	1720	50RB-Low	Right	5mm	\	\	22.02	23.50	0.406	**0.571**	0.235	**0.330**	0.19
0	Body	F	LTE Band4	20050	1720	50RB-Low	Top	22mm	\	\	22.02	23.50	0.164	**0.231**	0.100	**0.141**	0.14
1	Body	F	LTE Band7	21100	2535	1RB-Middle	Rear	0mm	FIG A.8	Note1	9.67	10.50	0.559	**0.677**	0.207	**0.251**	0.01
1	Body	F	LTE Band7	21100	2535	1RB-Middle	Top	0mm	\	Note1	9.67	10.50	0.111	**0.134**	0.046	**0.056**	-0.02
1	Body	F	LTE Band7	21100	2535	50RB-Low	Rear	0mm	\	Note1	9.85	10.50	0.529	**0.614**	0.185	**0.215**	-0.17
1	Body	F	LTE Band7	21100	2535	50RB-Low	Top	0mm	\	Note1	9.85	10.50	0.123	**0.143**	0.062	**0.072**	0.07
1	Body	F	LTE Band7	21100	2535	1RB-Low	Rear	0mm	\	Note2	6.50	7.00	0.246	**0.276**	0.086	**0.096**	0.07
1	Body	F	LTE Band7	21100	2535	1RB-Low	Top	0mm	\	Note2	6.50	7.00	0.096	**0.108**	0.033	**0.037**	0.07
1	Body	F	LTE Band7	21100	2535	50RB-Low	Rear	0mm	\	Note2	6.57	7.00	0.250	**0.276**	0.089	**0.098**	0.02
1	Body	F	LTE Band7	21100	2535	50RB-Low	Top	0mm	\	Note2	6.57	7.00	0.064	**0.071**	0.026	**0.029**	-0.01
1	Body	F	LTE Band7	21100	2535	1RB-Low	Rear	20mm	\	\	24.67	25.00	0.484	**0.522**	0.262	**0.283**	-0.15
1	Body	F	LTE Band7	21100	2535	1RB-Low	Top	22mm	\	\	24.67	25.00	0.455	**0.491**	0.254	**0.274**	-0.02
1	Body	F	LTE Band7	21100	2535	50RB-High	Rear	20mm	\	\	23.88	24.00	0.387	**0.398**	0.236	**0.243**	-0.15
1	Body	F	LTE Band7	21100	2535	50RB-High	Top	22mm	\	\	23.88	24.00	0.362	**0.372**	0.202	**0.208**	-0.09
1	Body	F	LTE Band7	20850	2510	1RB-High	Rear	0mm	ULCA	Note1	10.35	10.50	0.473	**0.490**	0.255	**0.264**	0.16
0	Body	F	LTE Band12	23130	711	1RB-Low	Rear	0mm	\	\	17.95	19.50	0.498	**0.712**	0.283	**0.404**	0.06
0	Body	F	LTE Band12	23095	707.5	1RB-Low	Rear	0mm	FIG A.9	\	17.96	19.50	0.607	**0.865**	0.337	**0.480**	0.00
0	Body	F	LTE Band12	23060	704	1RB-Low	Rear	0mm	\	\	18.00	19.50	0.596	**0.842**	0.308	**0.435**	-0.15
0	Body	F	LTE Band12	23060	704	1RB-Low	Right	0mm	\	\	18.00	19.50	0.287	**0.405**	0.134	**0.189**	0.17
0	Body	F	LTE Band12	23060	704	1RB-Low	Top	0mm	\	\	18.00	19.50	0.253	**0.357**	0.129	**0.182**	-0.11
0	Body	F	LTE Band12	23060	704	25RB-High	Rear	0mm	\	\	18.09	19.50	0.594	**0.822**	0.305	**0.422**	-0.04
0	Body	F	LTE Band12	23060	704	25RB-High	Right	0mm	\	\	18.09	19.50	0.267	**0.369**	0.091	**0.126**	0.13
0	Body	F	LTE Band12	23060	704	25RB-High	Top	0mm	\	\	18.09	19.50	0.264	**0.365**	0.130	**0.180**	-0.01
0	Body	F	LTE Band12	23060	704	100RB	Rear	0mm	\	\	18.05	19.50	0.571	**0.797**	0.294	**0.411**	0.02
0	Body	F	LTE Band12	23095	707.5	1RB-Low	Rear	20mm	\	\	24.27	25.00	0.116	**0.137**	0.086	**0.102**	-0.01
0	Body	F	LTE Band12	23095	707.5	1RB-Low	Right	5mm	\	\	24.27	25.00	0.352	**0.416**	0.236	**0.279**	-0.19
0	Body	F	LTE Band12	23095	707.5	1RB-Low	Top	22mm	\	\	24.27	25.00	0.050	**0.059**	0.034	**0.040**	0.12
0	Body	F	LTE Band12	23095	707.5	25RB-Low	Rear	20mm	\	\	23.28	24.00	0.104	**0.123**	0.069	**0.081**	0.18
0	Body	F	LTE Band12	23095	707.5	25RB-Low	Right	5mm	\	\	23.28	24.00	0.281	**0.332**	0.212	**0.250**	-0.14
0	Body	F	LTE Band12	23095	707.5	25RB-Low	Top	22mm	\	\	23.28	24.00	0.045	**0.053**	0.031	**0.037**	-0.04
0	Body	F	LTE Band13	23230	782	1RB-Low	Rear	0mm	FIG A.10	\	18.43	20.00	0.658	**0.945**	0.370	**0.531**	0.13
0	Body	F	LTE Band13	23230	782	1RB-Low	Right	0mm	\	\	18.43	20.00	0.397	**0.570**	0.194	**0.278**	-0.04
0	Body	F	LTE Band13	23230	782	1RB-Low	Top	0mm	\	\	18.43	20.00	0.362	**0.520**	0.190	**0.273**	0.11
0	Body	F	LTE Band13	23230	782	25RB-Middle	Rear	0mm	\	\	18.53	20.00	0.654	**0.917**	0.367	**0.515**	-0.16
0	Body	F	LTE Band13	23230	782	25RB-Middle	Right	0mm	\	\	18.53	20.00	0.313	**0.439**	0.145	**0.203**	-0.14
0	Body	F	LTE Band13	23230	782	25RB-Middle	Top	0mm	\	\	18.53	20.00	0.371	**0.520**	0.193	**0.271**	0.18
0	Body	F	LTE Band13	23230	782	50RB	Rear	0mm	\	\	18.52	20.00	0.617	**0.868**	0.323	**0.454**	0.18
0	Body	F	LTE Band13	23230	782	1RB-Low	Rear	20mm	\	\	23.21	25.00	0.142	**0.214**	0.109	**0.165**	-0.09
0	Body	F	LTE Band13	23230	782	1RB-Low	Right	5mm	\	\	23.21	25.00	0.401	**0.606**	0.265	**0.400**	0.05
0	Body	F	LTE Band13	23230	782	1RB-Low	Top	22mm	\	\	23.21	25.00	0.082	**0.124**	0.060	**0.091**	0.03
0	Body	F	LTE Band13	23230	782	25RB-Low	Rear	20mm	\	\	22.26	24.00	0.127	**0.190**	0.098	**0.146**	0.13
0	Body	F	LTE Band13	23230	782	25RB-Low	Right	5mm	\	\	22.26	24.00	0.321	**0.479**	0.212	**0.316**	-0.19
0	Body	F	LTE Band13	23230	782	25RB-Low	Top	22mm	\	\	22.26	24.00	0.074	**0.110**	0.049	**0.073**	0.04

ANT	Test Position	Phantom position L/RF	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test setup	Distance	Figure No.	Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	Body	F	LTE Band26	26865	831.5	1RB-Low	Rear	0mm	FIG A.11	Note1	17.42	19.00	0.534	**0.768**	0.331	**0.476**	-0.15
0	Body	F	LTE Band26	26865	831.5	1RB-Low	Right	0mm	\	Note1	17.42	19.00	0.409	**0.588**	0.205	**0.295**	0.18
0	Body	F	LTE Band26	26865	831.5	1RB-Low	Top	0mm	\	Note1	17.42	19.00	0.224	**0.322**	0.116	**0.167**	-0.14
0	Body	F	LTE Band26	26965	841.5	36RB-High	Rear	0mm	\	Note1	17.54	19.00	0.518	**0.725**	0.319	**0.446**	-0.11
0	Body	F	LTE Band26	26965	841.5	36RB-High	Right	0mm	\	Note1	17.54	19.00	0.394	**0.551**	0.199	**0.279**	-0.18
0	Body	F	LTE Band26	26965	841.5	36RB-High	Top	0mm	\	Note1	17.54	19.00	0.217	**0.304**	0.111	**0.155**	0.17
0	Body	F	LTE Band26	26775	822.5	1RB-Low	Rear	0mm	\	Note2	14.18	14.80	0.280	**0.323**	0.156	**0.180**	-0.05
0	Body	F	LTE Band26	26775	822.5	1RB-Low	Right	0mm	\	Note2	14.18	14.80	0.214	**0.247**	0.097	**0.112**	0.19
0	Body	F	LTE Band26	26775	822.5	1RB-Low	Top	0mm	\	Note2	14.18	14.80	0.117	**0.135**	0.055	**0.063**	0.10
0	Body	F	LTE Band26	26775	822.5	36RB-Middle	Rear	0mm	\	Note2	14.19	14.80	0.272	**0.313**	0.150	**0.173**	-0.10
0	Body	F	LTE Band26	26775	822.5	36RB-Middle	Right	0mm	\	Note2	14.19	14.80	0.207	**0.238**	0.094	**0.108**	0.06
0	Body	F	LTE Band26	26775	822.5	36RB-Middle	Top	0mm	\	Note2	14.19	14.80	0.114	**0.131**	0.052	**0.060**	-0.12
0	Body	F	LTE Band26	26865	831.5	1RB-Low	Rear	20mm	\	\	23.15	25.00	0.136	**0.208**	0.101	**0.155**	0.06
0	Body	F	LTE Band26	26865	831.5	1RB-Low	Right	5mm	\	\	23.15	25.00	0.446	**0.683**	0.292	**0.447**	-0.03
0	Body	F	LTE Band26	26865	831.5	1RB-Low	Top	22mm	\	\	23.15	25.00	0.080	**0.122**	0.054	**0.083**	0.03
0	Body	F	LTE Band26	26965	841.5	36RB-High	Rear	20mm	\	\	22.21	24.00	0.122	**0.184**	0.090	**0.136**	-0.17
0	Body	F	LTE Band26	26965	841.5	36RB-High	Right	5mm	\	\	22.21	24.00	0.401	**0.606**	0.234	**0.353**	0.13
0	Body	F	LTE Band26	26965	841.5	36RB-High	Top	22mm	\	\	22.21	24.00	0.072	**0.109**	0.043	**0.065**	0.03
1	Body	F	LTE Band38	37850	2580	1RB-Low	Rear	0mm	\	Note1	10.37	11.50	0.280	**0.363**	0.100	**0.130**	0.17
1	Body	F	LTE Band38	37850	2580	1RB-Low	Top	0mm	\	Note1	10.37	11.50	0.102	**0.132**	0.039	**0.051**	-0.17
1	Body	F	LTE Band38	37850	2580	50RB-Low	Rear	0mm	\	Note1	10.42	11.50	0.154	**0.197**	0.063	**0.081**	-0.14
1	Body	F	LTE Band38	37850	2580	50RB-Low	Top	0mm	\	Note1	10.42	11.50	0.082	**0.105**	0.035	**0.045**	0.04
1	Body	F	LTE Band38	38000	2595	1RB-Low	Rear	0mm	\	Note2	7.15	8.50	0.133	**0.181**	0.046	**0.063**	0.03
1	Body	F	LTE Band38	38000	2595	1RB-Low	Top	0mm	\	Note2	7.15	8.50	0.051	**0.070**	0.017	**0.023**	-0.04
1	Body	F	LTE Band38	37850	2580	50RB-Low	Rear	0mm	\	Note2	7.19	8.50	0.132	**0.178**	0.046	**0.062**	-0.16
1	Body	F	LTE Band38	37850	2580	50RB-Low	Top	0mm	\	Note2	7.19	8.50	0.048	**0.065**	0.017	**0.023**	-0.01
1	Body	F	LTE Band38	38000	2595	1RB-Low	Rear	20mm	FIG A.12	\	24.78	25.50	0.437	**0.516**	0.256	**0.302**	0.04
1	Body	F	LTE Band38	38000	2595	1RB-Low	Top	22mm	\	\	24.78	25.50	0.403	**0.476**	0.232	**0.274**	0.19
1	Body	F	LTE Band38	37850	2580	50RB-Middle	Rear	20mm	\	\	23.93	24.50	0.350	**0.399**	0.230	**0.262**	0.17
1	Body	F	LTE Band38	37850	2580	50RB-Middle	Top	22mm	\	\	23.93	24.50	0.363	**0.414**	0.186	**0.212**	0.13
1	Body	F	LTE Band38	37850	2580	1RB-High	Rear	20mm	ULCA	\	24.61	25.50	0.307	**0.377**	0.201	**0.247**	0.05
1	Body	F	LTE Band41	39750	2506	1RB-High	Rear	0mm	\	Note1	10.47	11.50	0.249	**0.316**	0.090	**0.114**	0.03
1	Body	F	LTE Band41	39750	2506	1RB-High	Top	0mm	\	Note1	10.47	11.50	0.079	**0.100**	0.030	**0.038**	0.06
1	Body	F	LTE Band41	40185	2549.5	50RB-Low	Rear	0mm	FIG A.13	Note1	10.61	11.50	0.259	**0.318**	0.093	**0.114**	0.04
1	Body	F	LTE Band41	40185	2549.5	50RB-Low	Top	0mm	\	Note1	10.61	11.50	0.101	**0.124**	0.035	**0.043**	-0.01
1	Body	F	LTE Band41	39750	2506	1RB-High	Rear	0mm	\	Note2	7.36	8.50	0.109	**0.142**	0.038	**0.049**	0.04
1	Body	F	LTE Band41	39750	2506	1RB-High	Top	0mm	\	Note2	7.36	8.50	0.031	**0.040**	0.013	**0.017**	-0.03
1	Body	F	LTE Band41	40185	2549.5	50RB-Low	Rear	0mm	\	Note2	7.39	8.50	0.111	**0.143**	0.039	**0.050**	0.14
1	Body	F	LTE Band41	40185	2549.5	50RB-Low	Top	0mm	\	Note2	7.39	8.50	0.029	**0.037**	0.012	**0.015**	0.05
1	Body	F	LTE Band41	40185	2549.5	1RB-Low	Rear	20mm	\	\	24.27	25.00	0.229	**0.271**	0.125	**0.148**	-0.14
1	Body	F	LTE Band41	40185	2549.5	1RB-Low	Top	22mm	\	\	24.27	25.00	0.235	**0.278**	0.130	**0.154**	0.02
1	Body	F	LTE Band41	40185	2549.5	50RB-Low	Rear	20mm	\	\	23.36	24.00	0.206	**0.239**	0.100	**0.116**	0.18
1	Body	F	LTE Band41	40185	2549.5	50RB-Low	Top	22mm	\	\	23.36	24.00	0.188	**0.218**	0.117	**0.136**	-0.06
1	Body	F	LTE Band41	39750	2506	1RB-High	Rear	0mm	ULCA	Note1	10.55	11.50	0.263	**0.327**	0.082	**0.102**	0.14
0	Body	F	LTE Band66	132572	1770	1RB-High	Rear	0mm	FIG A.14	Note1	12.89	14.50	0.605	**0.877**	0.265	**0.384**	0.15
0	Body	F	LTE Band66	132322	1745	1RB-High	Rear	0mm	\	Note1	12.79	14.50	0.595	**0.882**	0.257	**0.381**	0.17
0	Body	F	LTE Band66	132072	1720	1RB-High	Rear	0mm	\	Note1	12.77	14.50	0.571	**0.850**	0.246	**0.366**	-0.01
0	Body	F	LTE Band66	132572	1770	1RB-High	Right	0mm	\	Note1	12.89	14.50	0.142	**0.206**	0.060	**0.087**	0.13
0	Body	F	LTE Band66	132572	1770	1RB-High	Top	0mm	\	Note1	12.89	14.50	0.308	**0.446**	0.115	**0.167**	-0.13
0	Body	F	LTE Band66	132572	1770	50RB-High	Rear	0mm	\	Note1	12.95	14.50	0.584	**0.834**	0.254	**0.363**	0.17
0	Body	F	LTE Band66	132572	1770	50RB-High	Right	0mm	\	Note1	12.95	14.50	0.142	**0.203**	0.063	**0.090**	0.18
0	Body	F	LTE Band66	132572	1770	50RB-High	Top	0mm	\	Note1	12.95	14.50	0.319	**0.456**	0.130	**0.186**	-0.05
0	Body	F	LTE Band66	132572	1770	100RB	Rear	0mm	\	Note1	12.93	14.50	0.583	**0.837**	0.247	**0.355**	0.02
0	Body	F	LTE Band66	132572	1770	1RB-High	Rear	0mm	\	Note2	9.67	10.00	0.273	**0.295**	0.118	**0.127**	-0.04
0	Body	F	LTE Band66	132572	1770	1RB-High	Right	0mm	\	Note2	9.67	10.00	0.057	**0.061**	0.025	**0.027**	0.14
0	Body	F	LTE Band66	132572	1770	1RB-High	Top	0mm	\	Note2	9.67	10.00	0.125	**0.135**	0.048	**0.052**	-0.17
0	Body	F	LTE Band66	132572	1770	50RB-Middle	Rear	0mm	\	Note2	9.64	10.00	0.282	**0.306**	0.121	**0.131**	0.15
0	Body	F	LTE Band66	132572	1770	50RB-Middle	Right	0mm	\	Note2	9.64	10.00	0.059	**0.064**	0.025	**0.027**	-0.14
0	Body	F	LTE Band66	132572	1770	50RB-Middle	Top	0mm	\	Note2	9.64	10.00	0.112	**0.122**	0.042	**0.046**	-0.13
0	Body	F	LTE Band66	132322	1745	1RB-Low	Rear	20mm	\	\	23.40	24.50	0.346	**0.446**	0.207	**0.267**	-0.07
0	Body	F	LTE Band66	132322	1745	1RB-Low	Right	5mm	\	\	23.40	24.50	0.480	**0.618**	0.278	**0.358**	-0.10
0	Body	F	LTE Band66	132322	1745	1RB-Low	Top	22mm	\	\	23.40	24.50	0.273	**0.352**	0.163	**0.210**	-0.15
0	Body	F	LTE Band66	132072	1720	50RB-Middle	Rear	20mm	\	\	22.52	23.50	0.277	**0.347**	0.166	**0.208**	0.07
0	Body	F	LTE Band66	132072	1720	50RB-Middle	Right	5mm	\	\	22.52	23.50	0.432	**0.541**	0.222	**0.278**	-0.10
0	Body	F	LTE Band66	132072	1720	50RB-Middle	Top	22mm	\	\	22.52	23.50	0.219	**0.274**	0.131	**0.164**	-0.06

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test setup	Distance	Figure No.	Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
4	Body	LTE Band4	20175	1732.5	1RB-Low	Rear	0mm	\	\	7.70	9.00	0.234	**0.316**	0.091	**0.123**	0.1
4	Body	LTE Band4	20175	1732.5	1RB-Low	Left	0mm	\	\	7.70	9.00	0.093	**0.125**	0.036	**0.049**	0.02
4	Body	LTE Band4	20175	1732.5	1RB-Low	Top	0mm	\	\	7.70	9.00	0.244	**0.329**	0.098	**0.132**	-0.03
4	Body	LTE Band4	20300	1745	50RB-Middle	Rear	0mm	\	\	7.80	9.00	0.187	**0.247**	0.073	**0.096**	-0.18
4	Body	LTE Band4	20300	1745	50RB-Middle	Left	0mm	\	\	7.80	9.00	0.074	**0.098**	0.032	**0.042**	0.16
4	Body	LTE Band4	20300	1745	50RB-Middle	Top	0mm	\	\	7.80	9.00	0.220	**0.290**	0.088	**0.116**	0.11
4	Body	LTE Band4	20175	1732.5	1RB-Low	Rear	20mm	\	\	23.17	24.50	0.311	**0.422**	0.173	**0.235**	-0.08
4	Body	LTE Band4	20175	1732.5	1RB-Low	Left	10mm	FIG A.15	\	23.17	24.50	0.470	0.638	0.282	**0.383**	-0.09
4	Body	LTE Band4	20175	1732.5	1RB-Low	Top	19mm	\	\	23.17	24.50	0.269	**0.365**	0.149	**0.202**	-0.02
4	Body	LTE Band4	20175	1732.5	50RB-Middle	Rear	20mm	\	\	22.28	23.50	0.212	**0.281**	0.132	**0.175**	0.03
4	Body	LTE Band4	20175	1732.5	50RB-Middle	Left	10mm	\	\	22.28	23.50	0.375	**0.497**	0.224	**0.297**	-0.04
4	Body	LTE Band4	20175	1732.5	50RB-Middle	Top	19mm	\	\	22.28	23.50	0.257	**0.340**	0.174	**0.230**	-0.13
4	Body	LTE Band7	21100	2535	1RB-Low	Rear	0mm	\	\	8.02	9.00	0.354	**0.444**	0.135	**0.169**	-0.04
4	Body	LTE Band7	21100	2535	1RB-Low	Left	0mm	\	\	8.02	9.00	<0.01	**<0.01**	<0.01	**<0.01**	
4	Body	LTE Band7	21100	2535	1RB-Low	Top	0mm	\	\	8.02	9.00	0.305	**0.382**	0.123	**0.154**	-0.16
4	Body	LTE Band7	21350	2560	50RB-Middle	Rear	0mm	\	\	7.93	9.00	0.283	**0.362**	0.122	**0.156**	-0.05
4	Body	LTE Band7	21350	2560	50RB-Middle	Left	0mm	\	\	7.93	9.00	<0.01	**<0.01**	<0.01	**<0.01**	
4	Body	LTE Band7	21350	2560	50RB-Middle	Top	0mm	\	\	7.93	9.00	0.244	**0.312**	0.111	**0.142**	0.03
4	Body	LTE Band7	21100	2535	1RB-High	Rear	20mm	\	\	24.64	25.00	0.456	**0.495**	0.239	**0.260**	-0.14
4	Body	LTE Band7	21100	2535	1RB-High	Left	10mm	\	\	24.64	25.00	0.129	**0.140**	0.074	**0.080**	-0.06
4	Body	LTE Band7	21100	2535	1RB-High	Top	19mm	FIG A.16	\	24.64	25.00	0.548	0.595	0.295	**0.320**	-0.16
4	Body	LTE Band7	21100	2535	50RB-Middle	Rear	20mm	\	\	23.68	24.00	0.365	**0.393**	0.192	**0.207**	0.14
4	Body	LTE Band7	21100	2535	50RB-Middle	Left	10mm	\	\	23.68	24.00	0.101	**0.109**	0.066	**0.071**	-0.04
4	Body	LTE Band7	21100	2535	50RB-Middle	Top	19mm	\	\	23.68	24.00	0.386	**0.416**	0.208	**0.224**	0.06
4	Body	LTE Band38	38000	2595	1RB-Low	Rear	0mm	\	\	8.03	9.50	0.242	**0.339**	0.102	**0.143**	0.13
4	Body	LTE Band38	38000	2595	1RB-Low	Left	0mm	\	\	8.03	9.50	<0.01	**<0.01**	<0.01	**<0.01**	
4	Body	LTE Band38	38000	2595	1RB-Low	Top	0mm	\	\	8.03	9.50	0.214	**0.300**	0.096	**0.135**	0.01
4	Body	LTE Band38	38150	2610	50RB-Middle	Rear	0mm	\	\	8.05	9.50	0.194	**0.271**	0.082	**0.115**	-0.03
4	Body	LTE Band38	38150	2610	50RB-Middle	Left	0mm	\	\	8.05	9.50	<0.01	**<0.01**	<0.01	**<0.01**	
4	Body	LTE Band38	38150	2610	50RB-Middle	Top	0mm	\	\	8.05	9.50	0.171	**0.239**	0.077	**0.108**	-0.18
4	Body	LTE Band38	38150	2610	1RB-High	Rear	20mm	FIG A.17	\	24.40	25.50	0.405	0.522	0.208	**0.268**	0.15
4	Body	LTE Band38	38150	2610	1RB-High	Left	10mm	\	\	24.40	25.50	0.118	**0.152**	0.066	**0.085**	-0.06
4	Body	LTE Band38	38150	2610	1RB-High	Top	19mm	\	\	24.40	25.50	0.399	**0.514**	0.241	**0.310**	-0.06
4	Body	LTE Band38	38150	2610	50RB-Middle	Rear	20mm	\	\	24.06	24.50	0.326	**0.361**	0.168	**0.186**	0.01
4	Body	LTE Band38	38150	2610	50RB-Middle	Left	10mm	\	\	24.06	24.50	0.087	**0.096**	0.056	**0.062**	0.17
4	Body	LTE Band38	38150	2610	50RB-Middle	Top	19mm	\	\	24.06	24.50	0.359	**0.397**	0.217	**0.240**	0.05
4	Body	LTE Band41	40620	2593	1RB-Low	Rear	0mm	FIG A.18	\	7.99	9.50	0.309	0.437	0.116	**0.164**	0.02
4	Body	LTE Band41	40620	2593	1RB-Low	Left	0mm	\	\	7.99	9.50	<0.01	**<0.01**	<0.01	**<0.01**	
4	Body	LTE Band41	40620	2593	1RB-Low	Top	0mm	\	\	7.99	9.50	0.284	**0.402**	0.108	**0.153**	-0.1
4	Body	LTE Band41	41055	2636.5	50RB-Middle	Rear	0mm	\	\	8.06	9.50	0.278	**0.387**	0.104	**0.145**	0.1
4	Body	LTE Band41	41055	2636.5	50RB-Middle	Left	0mm	\	\	8.06	9.50	<0.01	**<0.01**	<0.01	**<0.01**	
4	Body	LTE Band41	41055	2636.5	50RB-Middle	Top	0mm	\	\	8.06	9.50	0.256	**0.357**	0.086	**0.120**	0.18
4	Body	LTE Band41	41055	2636.5	1RB-High	Rear	20mm	\	\	23.40	25.00	0.260	**0.376**	0.133	**0.192**	0.1
4	Body	LTE Band41	41055	2636.5	1RB-High	Left	10mm	\	\	23.40	25.00	0.073	**0.106**	0.040	**0.058**	0.04
4	Body	LTE Band41	41055	2636.5	1RB-High	Top	19mm	\	\	23.40	25.00	0.302	**0.437**	0.158	**0.228**	0.19
4	Body	LTE Band41	41055	2636.5	50RB-Middle	Rear	20mm	\	\	22.48	24.00	0.208	**0.295**	0.119	**0.169**	-0.06
4	Body	LTE Band41	41055	2636.5	50RB-Middle	Left	10mm	\	\	22.48	24.00	0.066	**0.094**	0.032	**0.045**	0.02
4	Body	LTE Band41	41055	2636.5	50RB-Middle	Top	19mm	\	\	22.48	24.00	0.242	**0.343**	0.126	**0.179**	0.18
4	Body	LTE Band66	132322	1745	1RB-High	Rear	0mm	\	\	7.76	9.00	0.180	**0.239**	0.084	**0.112**	-0.12
4	Body	LTE Band66	132322	1745	1RB-High	Left	0mm	\	\	7.76	9.00	0.073	**0.097**	0.033	**0.044**	0.11
4	Body	LTE Band66	132322	1745	1RB-High	Top	0mm	\	\	7.76	9.00	0.264	**0.351**	0.108	**0.144**	0.04
4	Body	LTE Band66	132572	1770	50RB-Low	Rear	0mm	\	\	7.79	9.00	0.144	**0.190**	0.067	**0.089**	-0.15
4	Body	LTE Band66	132572	1770	50RB-Low	Left	0mm	\	\	7.79	9.00	0.066	**0.087**	0.030	**0.040**	0.08
4	Body	LTE Band66	132572	1770	50RB-Low	Top	0mm	\	\	7.79	9.00	0.211	**0.279**	0.086	**0.114**	0.18
4	Body	LTE Band66	132322	1745	1RB-Low	Rear	20mm	\	\	23.36	24.50	0.236	**0.307**	0.141	**0.183**	0.04
4	Body	LTE Band66	132322	1745	1RB-Low	Left	10mm	FIG A.19	\	23.36	24.50	0.361	0.469	0.215	**0.280**	-0.1
4	Body	LTE Band66	132322	1745	1RB-Low	Top	19mm	\	\	23.36	24.50	0.318	**0.413**	0.178	**0.231**	-0.11
4	Body	LTE Band66	132572	1770	50RB-Low	Rear	20mm	\	\	22.38	23.50	0.189	**0.245**	0.127	**0.164**	0.15
4	Body	LTE Band66	132572	1770	50RB-Low	Left	10mm	\	\	22.38	23.50	0.342	**0.443**	0.203	**0.263**	-0.04
4	Body	LTE Band66	132572	1770	50RB-Low	Top	19mm	\	\	22.38	23.50	0.254	**0.329**	0.160	**0.207**	0.11

Note1: The results for SA transmit alone.

Note2: The results for NSA transmit with WIFI.

14.2 SAR results for 5G NR

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test setup	Distance	Figure No./Note	Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	17.31	19.00	0.440	**0.649**	0.224	**0.331**	0.13
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Rear	0mm	FIG A.20	Note1	17.46	19.00	0.487	**0.694**	0.251	**0.358**	-0.08
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	17.44	19.00	0.421	**0.603**	0.217	**0.311**	-0.14
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Right	0mm	\	Note1	17.46	19.00	0.440	**0.627**	0.195	**0.278**	-0.01
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Top	0mm	\	Note1	17.46	19.00	0.275	**0.392**	0.121	**0.172**	-0.01
0	Body	N5	167300	836.5	CP-OFDM QPSK	Rear	0mm	\	Note1	17.39	19.00	0.408	**0.591**	0.209	**0.303**	0.07
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Rear	0mm		Note2	15.06	16.50	0.200	**0.279**	0.110	**0.153**	-0.17
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Right	0mm	\	Note2	15.06	16.50	0.302	**0.421**	0.122	**0.170**	-0.19
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Top	0mm	\	Note2	15.06	16.50	0.116	**0.162**	0.055	**0.077**	0.05
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Rear	20mm	\	\	23.65	25.00	0.138	**0.188**	0.100	**0.136**	-0.05
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Right	5mm	\	\	23.65	25.00	0.446	**0.609**	0.292	**0.398**	0.05
0	Body	N5	167300	836.5	DFT-s-OFDM QPSK	Top	22mm	\	\	23.65	25.00	0.064	**0.087**	0.042	**0.057**	0.1
1	Body	N7	513500	2567.5	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	8.48	9.50	0.541	**0.684**	0.169	**0.214**	-0.02
1	Body	N7	507000	2535	DFT-s-OFDM QPSK	Rear	0mm	FIG A.21	Note1	8.63	9.50	0.575	**0.703**	0.182	**0.222**	0.04
1	Body	N7	500500	2502.5	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	8.39	9.50	0.486	**0.628**	0.164	**0.212**	0.15
1	Body	N7	507000	2535	DFT-s-OFDM QPSK	Top	0mm	\	Note1	8.63	9.50	0.128	**0.156**	0.046	**0.056**	0.19
1	Body	N7	507000	2535	CP-OFDM QPSK	Rear	0mm	\	Note1	8.60	9.50	0.502	**0.618**	0.169	**0.208**	0.02
1	Body	N7	507000	2535	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	5.68	6.50	0.283	**0.342**	0.082	**0.099**	0.09
1	Body	N7	507000	2535	DFT-s-OFDM QPSK	Top	0mm	\	Note2	5.68	6.50	0.063	**0.076**	0.021	**0.025**	-0.02
1	Body	N7	507000	2535	DFT-s-OFDM QPSK	Rear	20mm	\	\	24.03	25.00	0.374	**0.468**	0.211	**0.264**	0.13
1	Body	N7	507000	2535	DFT-s-OFDM QPSK	Top	22mm	\	\	24.03	25.00	0.482	**0.603**	0.266	**0.333**	-0.06
4	Body	N7	507000	2535	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	8.56	10.00	0.357	**0.497**	0.130	**0.181**	0.12
4	Body	N7	507000	2535	DFT-s-OFDM QPSK	Left	0mm	\	Note2	8.56	10.00	<0.01	**<0.01**	<0.01	**<0.01**	/
4	Body	N7	507000	2535	DFT-s-OFDM QPSK	Top	0mm	\	Note2	8.56	10.00	0.302	**0.421**	0.124	**0.173**	-0.01
4	Body	N7	507000	2535	DFT-s-OFDM QPSK	Rear	20mm	\	Note2	23.20	25.00	0.265	**0.401**	0.143	**0.216**	0.17
4	Body	N7	507000	2535	DFT-s-OFDM QPSK	Left	10mm	\	Note2	23.20	25.00	0.108	**0.163**	0.063	**0.095**	-0.18
4	Body	N7	513500	2567.5	DFT-s-OFDM QPSK	Top	19mm	\	Note2	23.19	25.00	0.359	**0.545**	0.194	**0.294**	0.1
4	Body	N7	507000	2535	DFT-s-OFDM QPSK	Top	19mm	FIG A.22	Note2	23.20	25.00	0.373	**0.565**	0.201	**0.304**	-0.11
4	Body	N7	500500	2502.5	DFT-s-OFDM QPSK	Top	19mm	\	Note2	23.05	25.00	0.353	**0.553**	0.188	**0.295**	0.05
4	Body	N7	507000	2535	CP-OFDM QPSK	Top	19mm	\	Note2	22.44	23.50	0.307	**0.392**	0.127	**0.162**	0.16
4	Body	N38	522000	2610	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	11.23	13.00	0.599	**0.900**	0.234	**0.352**	-0.13
4	Body	N38	519000	2595	DFT-s-OFDM QPSK	Rear	0mm	FIG A.23	Note1	11.47	13.00	0.659	**0.937**	0.254	**0.361**	-0.14
4	Body	N38	516000	2580	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	11.41	13.00	0.590	**0.851**	0.231	**0.333**	0.16
4	Body	N38	519000	2595	DFT-s-OFDM QPSK	Left	0mm	\	Note1	11.47	13.00	<0.01	**<0.01**	<0.01	**<0.01**	/
4	Body	N38	522000	2610	DFT-s-OFDM QPSK	Top	0mm	\	Note1	11.23	13.00	0.601	**0.903**	0.239	**0.359**	0.03
4	Body	N38	519000	2595	DFT-s-OFDM QPSK	Top	0mm	\	Note1	11.47	13.00	0.657	**0.934**	0.260	**0.370**	-0.14
4	Body	N38	516000	2580	DFT-s-OFDM QPSK	Top	0mm	\	Note1	11.41	13.00	0.591	**0.852**	0.236	**0.340**	0.19
4	Body	N38	519000	2595	CP-OFDM QPSK	Rear	0mm	\	Note1	11.39	13.00	0.609	**0.882**	0.237	**0.343**	0.16
4	Body	N38	519000	2595	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	8.46	10.00	0.410	**0.584**	0.149	**0.212**	0.08
4	Body	N38	519000	2595	DFT-s-OFDM QPSK	Left	0mm	\	Note2	8.46	10.00	<0.01	**<0.01**	<0.01	**<0.01**	/
4	Body	N38	519000	2595	DFT-s-OFDM QPSK	Top	0mm	\	Note2	8.46	10.00	0.308	**0.439**	0.117	**0.167**	0.02
4	Body	N38	519000	2595	DFT-s-OFDM QPSK	Rear	20mm	\	\	24.05	25.50	0.280	**0.391**	0.151	**0.211**	0.13
4	Body	N38	519000	2595	DFT-s-OFDM QPSK	Left	10mm	\	\	24.05	25.50	0.110	**0.154**	0.064	**0.089**	0.14
4	Body	N38	519000	2595	DFT-s-OFDM QPSK	Top	19mm	\	\	24.05	25.50	0.473	**0.660**	0.256	**0.357**	0.01
4	Body	N41	535998	2679.99	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	11.33	13.00	0.557	**0.818**	0.218	**0.320**	0.02
4	Body	N41	527298	2636.49	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	11.36	13.00	0.641	**0.935**	0.240	**0.350**	-0.09
4	Body	N41	518598	2592.99	DFT-s-OFDM QPSK	Rear	0mm	FIG A.24	Note1	11.39	13.00	0.647	**0.937**	0.250	**0.362**	-0.09
4	Body	N41	509898	2549.49	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	11.34	13.00	0.620	**0.909**	0.237	**0.347**	0.18
4	Body	N41	501204	2506.02	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	11.26	13.00	0.619	**0.924**	0.241	**0.360**	0.11
4	Body	N41	518598	2592.99	DFT-s-OFDM QPSK	Left	0mm	\	Note1	11.39	13.00	<0.01	**<0.01**	<0.01	**<0.01**	/
4	Body	N41	535998	2679.99	DFT-s-OFDM QPSK	Top	0mm	\	Note1	11.33	13.00	0.395	**0.580**	0.158	**0.232**	-0.07
4	Body	N41	527298	2636.49	DFT-s-OFDM QPSK	Top	0mm	\	Note1	11.36	13.00	0.476	**0.694**	0.188	**0.274**	-0.11
4	Body	N41	518598	2592.99	DFT-s-OFDM QPSK	Top	0mm	\	Note1	11.39	13.00	0.548	**0.794**	0.207	**0.300**	0.16
4	Body	N41	509898	2549.49	DFT-s-OFDM QPSK	Top	0mm	\	Note1	11.34	13.00	0.553	**0.810**	0.215	**0.315**	-0.05
4	Body	N41	501204	2506.02	DFT-s-OFDM QPSK	Top	0mm	\	Note1	11.26	13.00	0.530	**0.791**	0.204	**0.305**	-0.02
4	Body	N41	518598	2592.99	CP-OFDM 256QAM	Rear	0mm	\	Note1	11.30	13.00	0.544	**0.805**	0.211	**0.312**	0.19
4	Body	N41	518598	2592.99	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	8.39	10.00	0.307	**0.445**	0.109	**0.158**	-0.09
4	Body	N41	518598	2592.99	DFT-s-OFDM QPSK	Left	0mm	\	Note2	8.39	10.00	<0.01	**<0.01**	<0.01	**<0.01**	/
4	Body	N41	518598	2592.99	DFT-s-OFDM QPSK	Top	0mm	\	Note2	8.39	10.00	0.274	**0.397**	0.105	**0.152**	0.06
4	Body	N41	518598	2592.99	DFT-s-OFDM QPSK	Rear	20mm	\	\	23.54	25.00	0.218	**0.305**	0.120	**0.168**	0.19
4	Body	N41	518598	2592.99	DFT-s-OFDM QPSK	Left	10mm	\	\	23.54	25.00	0.076	**0.106**	0.047	**0.066**	-0.05
4	Body	N41	518598	2592.99	DFT-s-OFDM QPSK	Top	19mm	\	\	23.54	25.00	0.342	**0.479**	0.188	**0.263**	0.13

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode	Test setup	Distance	Figure No./Note	Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
0	Body	N66	355500	1777.5	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	13.50	15.50	0.603	**0.955**	0.269	**0.426**	-0.13
0	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	0mm	FIG A.25	Note1	13.79	15.50	0.666	**0.987**	0.282	**0.418**	0.13
0	Body	N66	342500	1712.5	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	13.72	15.50	0.594	**0.895**	0.261	**0.393**	-0.15
0	Body	N66	349000	1745	DFT-s-OFDM QPSK	Right	0mm	\	Note1	13.79	15.50	0.078	**0.116**	0.041	**0.061**	-0.17
0	Body	N66	349000	1745	DFT-s-OFDM QPSK	Top	0mm	\	Note1	13.79	15.50	0.229	**0.339**	0.108	**0.160**	0.1
0	Body	N66	349000	1745	CP-OFDM QPSK	Rear	0mm	\	Note1	13.69	15.50	0.624	**0.947**	0.256	**0.388**	-0.07
0	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	10.76	12.50	0.383	**0.572**	0.162	**0.242**	0.09
0	Body	N66	349000	1745	DFT-s-OFDM QPSK	Right	0mm	\	Note2	10.76	12.50	0.045	**0.067**	0.024	**0.036**	0.15
0	Body	N66	349000	1745	DFT-s-OFDM QPSK	Top	0mm		Note2	10.76	12.50	0.132	**0.197**	0.062	**0.093**	0.12
0	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	20mm	\	\	23.97	25.00	0.400	**0.507**	0.240	**0.304**	-0.01
0	Body	N66	349000	1745	DFT-s-OFDM QPSK	Right	5mm	\	\	23.97	25.00	0.514	**0.652**	0.293	**0.371**	-0.05
0	Body	N66	349000	1745	DFT-s-OFDM QPSK	Top	22mm	\	\	23.97	25.00	0.244	**0.309**	0.145	**0.184**	-0.03
4	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	8.97	10.50	0.267	**0.380**	0.111	**0.158**	-0.08
4	Body	N66	349000	1745	DFT-s-OFDM QPSK	Left	0mm	\	Note2	8.97	10.50	0.267	**0.380**	0.034	**0.048**	0.11
4	Body	N66	349000	1745	DFT-s-OFDM QPSK	Top	0mm	\	Note2	8.97	10.50	0.320	**0.455**	0.123	**0.175**	-0.15
4	Body	N66	349000	1745	CP-OFDM QPSK	Top	0mm	\	Note2	8.91	10.50	0.304	**0.438**	0.108	**0.156**	-0.01
4	Body	N66	349000	1745	DFT-s-OFDM QPSK	Rear	20mm	\	Note2	23.84	25.00	0.277	**0.362**	0.157	**0.205**	-0.13
4	Body	N66	355500	1777.5	DFT-s-OFDM QPSK	Left	10mm	\	Note2	23.57	25.00	0.435	**0.605**	0.237	**0.329**	0.02
4	Body	N66	349000	1745	DFT-s-OFDM QPSK	Left	10mm	FIG A.26	Note2	23.84	25.00	0.471	**0.615**	0.281	**0.367**	-0.04
4	Body	N66	342500	1712.5	DFT-s-OFDM QPSK	Left	10mm	\	Note2	23.45	25.00	0.417	**0.596**	0.222	**0.317**	0.13
4	Body	N66	349000	1745	DFT-s-OFDM QPSK	Top	19mm	\	Note2	23.84	25.00	0.341	**0.445**	0.182	**0.238**	0.07
4	Body	N66	349000	1745	CP-OFDM QPSK	Left	10mm	\	Note2	23.20	23.50	0.329	**0.353**	0.125	**0.134**	0.03
5	Body	N77-L	633334	3500.01	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	8.93	9.50	0.444	**0.506**	0.140	**0.160**	-0.19
5	Body	N77-L	633334	3500.01	DFT-s-OFDM QPSK	Top	0mm	\	Note1	8.93	9.50	0.169	**0.193**	0.057	**0.065**	0.09
5	Body	N77-L	633334	3500.01	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	5.99	6.50	0.277	**0.312**	0.079	**0.089**	0.05
5	Body	N77-L	633334	3500.01	DFT-s-OFDM QPSK	Top	0mm		Note2	5.99	6.50	0.094	**0.106**	0.029	**0.033**	0.14
5	Body	N77-L	636000	3540	DFT-s-OFDM QPSK	Rear	20mm	\	\	24.35	25.00	0.460	**0.534**	0.219	**0.254**	-0.08
5	Body	N77-L	633334	3500.01	DFT-s-OFDM QPSK	Rear	20mm	FIG A.27	\	24.35	25.00	0.512	**0.595**	0.254	**0.295**	0.08
5	Body	N77-L	630668	3460.02	DFT-s-OFDM QPSK	Rear	20mm	\	\	24.35	25.00	0.429	**0.498**	0.209	**0.243**	-0.13
5	Body	N77-L	633334	3500.01	DFT-s-OFDM QPSK	Top	22mm	\	\	24.35	25.00	0.479	**0.556**	0.248	**0.288**	0.19
5	Body	N77-L	633334	3500.01	CP-OFDM QPSK	Rear	20mm	\	\	22.70	23.50	0.473	**0.569**	0.245	**0.295**	-0.03
5	Body	N77-H	664666	3969.99	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	9.21	9.50	0.656	**0.701**	0.190	**0.203**	-0.05
5	Body	N77-H	664666	3969.99	DFT-s-OFDM QPSK	Top	0mm	\	Note1	9.21	9.50	0.292	**0.312**	0.071	**0.076**	0.17
5	Body	N77-H	664666	3969.99	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	6.02	6.50	0.327	**0.365**	0.087	**0.097**	0.15
5	Body	N77-H	664666	3969.99	DFT-s-OFDM QPSK	Top	0mm		Note2	6.02	6.50	0.132	**0.147**	0.040	**0.045**	-0.12
5	Body	N77-H	650800	3762	DFT-s-OFDM QPSK	Rear	20mm	\	\	24.63	25.00	0.414	**0.451**	0.193	**0.210**	0.17
5	Body	N77-H	664666	3969.99	DFT-s-OFDM QPSK	Top	22mm	\	\	24.53	25.00	0.580	**0.646**	0.261	**0.291**	0.13
5	Body	N77-H	661200	3918	DFT-s-OFDM QPSK	Top	22mm	\	\	24.26	25.00	0.565	**0.670**	0.252	**0.299**	-0.07
5	Body	N77-H	657733	3866	DFT-s-OFDM QPSK	Top	22mm	\	\	24.36	25.00	0.559	**0.648**	0.246	**0.285**	0.11
5	Body	N77-H	654267	3814	DFT-s-OFDM QPSK	Top	22mm	\	\	24.48	25.00	0.562	**0.633**	0.251	**0.283**	-0.06
5	Body	N77-H	650800	3762	DFT-s-OFDM QPSK	Top	22mm	FIG A.28	\	24.63	25.00	0.686	**0.747**	0.324	**0.353**	-0.12
5	Body	N77-H	647334	3710.01	DFT-s-OFDM QPSK	Top	22mm	\	\	23.93	25.00	0.550	**0.704**	0.114	**0.146**	0.15
5	Body	N77-H	664666	3969.99	CP-OFDM QPSK	Top	22mm	\	Note1	23.14	23.50	0.558	**0.606**	0.116	**0.126**	0.17
5	Body	N78-L	633334	3500.01	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	8.96	9.50	0.523	**0.592**	0.167	**0.189**	0.03
5	Body	N78-L	633334	3500.01	DFT-s-OFDM QPSK	Top	0mm	\	Note1	8.96	9.50	0.198	**0.224**	0.063	**0.071**	-0.11
5	Body	N78-L	633334	3500.01	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	5.98	6.50	0.247	**0.278**	0.077	**0.087**	0.08
5	Body	N78-L	633334	3500.01	DFT-s-OFDM QPSK	Top	0mm		Note2	5.98	6.50	0.071	**0.080**	0.024	**0.027**	0.08
5	Body	N78-L	636000	3540	DFT-s-OFDM QPSK	Rear	20mm	\	\	23.81	24.50	0.359	**0.421**	0.175	**0.205**	-0.07
5	Body	N78-L	633334	3500.01	DFT-s-OFDM QPSK	Rear	20mm	FIG A.29	\	24.05	24.50	0.533	**0.591**	0.245	**0.272**	0.03
5	Body	N78-L	630668	3460.02	DFT-s-OFDM QPSK	Rear	20mm	\	\	24.00	24.50	0.371	**0.416**	0.180	**0.202**	0.11
5	Body	N78-L	633334	3500.01	DFT-s-OFDM QPSK	Top	22mm	\	\	24.05	24.50	0.439	**0.487**	0.220	**0.244**	0.19
5	Body	N78-L	633334	3500.01	CP-OFDM QPSK	Rear	0mm	\	\	22.84	23.00	0.507	**0.526**	0.159	**0.165**	0.15
5	Body	N78-H	653000	3795	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	8.88	9.50	0.491	**0.566**	0.161	**0.186**	0.03
5	Body	N78-H	650000	3750	DFT-s-OFDM QPSK	Rear	0mm	FIG A.30	Note1	8.94	9.50	0.626	**0.712**	0.186	**0.212**	0.02
5	Body	N78-H	647000	3705	DFT-s-OFDM QPSK	Rear	0mm	\	Note1	8.87	9.50	0.496	**0.573**	0.163	**0.188**	-0.16
5	Body	N78-H	650000	3750	DFT-s-OFDM QPSK	Top	0mm		Note1	8.94	9.50	0.330	**0.375**	0.094	**0.107**	-0.19
5	Body	N78-H	650000	3750	CP-OFDM 16QAM	Rear	0mm	\	Note1	8.68	9.50	0.539	**0.651**	0.167	**0.202**	0.07
5	Body	N78-H	650000	3750	DFT-s-OFDM QPSK	Rear	0mm	\	Note2	5.82	6.50	0.313	**0.366**	0.089	**0.104**	0.01
5	Body	N78-H	650000	3750	DFT-s-OFDM QPSK	Top	0mm		Note2	5.82	6.50	0.169	**0.198**	0.047	**0.055**	0.06
5	Body	N78-H	650000	3750	DFT-s-OFDM QPSK	Rear	20mm	\	\	24.37	24.50	0.411	**0.423**	0.191	**0.197**	0.09
5	Body	N78-H	650000	3750	DFT-s-OFDM QPSK	Top	22mm	\	\	24.37	24.50	0.611	**0.630**	0.284	**0.293**	0.13

Note1: The results for SA transmit alone.

Note2: The results for NSA transmit with WIFI.

14.3 SAR Evaluation for WIFI

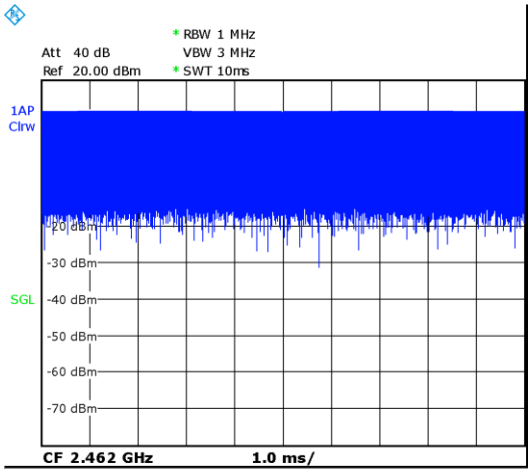
The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default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

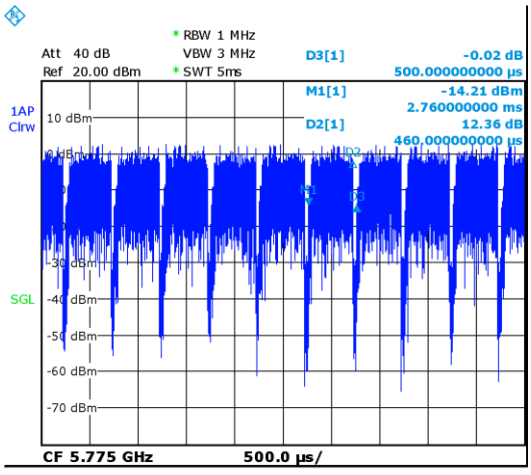
SAR Test reduction was applied from KDB 248227 guidance, when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest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

Duty factor plot

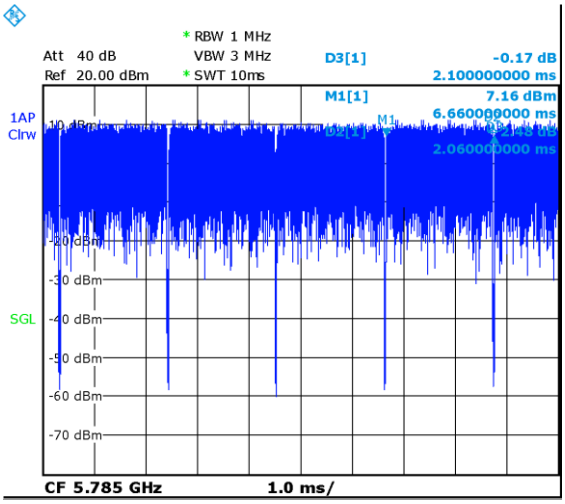
CH11



CH155



CH157



SAR results for WIFI 2.4G

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test setup	Distance	Figure No.	Note	Duty Cycle	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
6	Body	WLAN2.4G	1	2412	11b	Rear	0mm	\		100.00%	7.45	8.50	0.351	**0.447**	0.123	**0.157**	-0.15
6	Body	WLAN2.4G	1	2412	11b	Top	0mm	\		100.00%	7.45	8.50	0.342	**0.436**	0.114	**0.145**	-0.14
6	Body	WLAN2.4G	11	2462	11b	Rear	17mm	\		100.00%	17.51	19.00	0.262	**0.369**	0.146	**0.206**	0.19
6	Body	WLAN2.4G	11	2462	11b	Top	17mm	FIG A.31		100.00%	17.51	19.00	0.441	**0.621**	0.228	**0.321**	0.03
6	Body	WLAN2.4G	11	2462	11b	Rear	20mm	\	\	100.00%	17.51	19.00	0.191	**0.269**	0.102	**0.144**	-0.11
6	Body	WLAN2.4G	11	2462	11b	Top	22mm	\	\	100.00%	17.51	19.00	0.250	**0.352**	0.133	**0.187**	-0.17

SAR results for WIFI 5G

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test setup	Distance	Figure No.	Note	Duty Cycle	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
6	Body	WLAN5G	58	5290	11ac-80M	Rear	0mm	\	\	92.00%	4.61	5.00	0.376	**0.447**	0.073	**0.080**	-0.03
6	Body	WLAN5G	58	5290	11ac-80M	Top	0mm	\	\	92.00%	4.61	5.00	0.225	**0.268**	0.059	**0.065**	-0.09
6	Body	WLAN5G	106	5530	11ac-80M	Rear	0mm	\	\	92.00%	4.77	5.00	0.442	**0.507**	0.075	**0.079**	-0.18
6	Body	WLAN5G	106	5530	11ac-80M	Top	0mm	\	\	92.00%	4.77	5.00	0.204	**0.234**	0.055	**0.058**	0.14
6	Body	WLAN5G	155	5775	11ac-80M	Rear	0mm	FIG A.32	\	92.00%	4.77	5.00	0.506	**0.580**	0.075	**0.079**	0.11
6	Body	WLAN5G	155	5775	11ac-80M	Top	0mm	\	\	92.00%	4.77	5.00	0.330	**0.378**	0.081	**0.085**	0.13
6	Body	WLAN5G	64	5320	11a	Rear	17mm	\	\	98.09%	17.20	18.00	0.332	**0.407**	0.120	**0.144**	-0.1
6	Body	WLAN5G	64	5320	11a	Top	17mm	\	\	98.09%	17.20	18.00	0.313	**0.384**	0.119	**0.143**	0.07
6	Body	WLAN5G	112	5560	11a	Rear	17mm	\	\	98.09%	17.05	18.00	0.345	**0.438**	0.126	**0.157**	0.03
6	Body	WLAN5G	112	5560	11a	Top	17mm	\	\	98.09%	17.05	18.00	0.369	**0.468**	0.147	**0.183**	0.01
6	Body	WLAN5G	157	5785	11a	Rear	17mm	\	\	98.09%	17.18	18.00	0.418	**0.515**	0.166	**0.200**	0.07
6	Body	WLAN5G	157	5785	11a	Top	17mm	\	\	98.09%	17.18	18.00	0.465	**0.573**	0.189	**0.228**	0.04
6	Body	WLAN5G	64	5320	11a	Rear	20mm	\	\	98.09%	17.20	18.00	0.243	**0.298**	0.090	**0.108**	0.06
6	Body	WLAN5G	64	5320	11a	Top	22mm	\	\	98.09%	17.20	18.00	0.229	**0.281**	0.089	**0.107**	0.17
6	Body	WLAN5G	112	5560	11a	Rear	20mm	\	\	98.09%	17.05	18.00	0.234	**0.297**	0.090	**0.112**	0.04
6	Body	WLAN5G	112	5560	11a	Top	22mm	\	\	98.09%	17.05	18.00	0.270	**0.343**	0.110	**0.137**	0.06
6	Body	WLAN5G	157	5785	11a	Rear	20mm	\	\	98.09%	17.18	18.00	0.387	**0.477**	0.156	**0.188**	0.01
6	Body	WLAN5G	157	5785	11a	Top	22mm	\	\	98.09%	17.18	18.00	0.260	**0.320**	0.106	**0.128**	-0.11

14.4 SAR Evaluation For BT

ANT	RF Exposure Conditions	Frequency Band	Channel Number	Frequency (MHz)	Mode/RB	Test setup	Distance	Figure No.	Note	EUT Measured Power (dBm)	Tune up (dBm)	Measured SAR 1g (W/kg)	Calculated SAR 1g (W/kg)	Measured SAR 10g (W/kg)	Calculated SAR 10g (W/kg)	Power Drift
6	Body	BT	39	2441	GFSM	Rear	0mm	FIG A.33	\	10.43	10.50	0.289	**0.294**	0.105	**0.107**	0.19
6	Body	BT	39	2441	GFSM	Top	0mm	\	\	10.43	10.50	0.284	**0.289**	0.096	**0.098**	0.05
6	Body	BT	39	2441	GFSM	Rear	20mm	\	\	10.43	10.50	0.004	**0.004**	0.001	**0.002**	-0.09
6	Body	BT	39	2441	GFSM	Top	20mm	\	\	10.43	10.50	0.011	**0.011**	0.004	**0.004**	-0.06

15 SAR Measurement Variability

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

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

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps2) through 4) do not apply.

2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.

3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45W/kg (~ 10% from the 1-g SAR limit).

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

16 Measurement Uncertainty

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

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

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

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

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

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

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

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

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

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

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

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

17 MAIN TEST INSTRUMENTS

Table 17.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	E5071C	MY46110673	January 10, 2023	One year
02	Power sensor	NRP110T	101139	January 13, 2023	One year
03	Power sensor	NRP110T	101159	January 13, 2023	One year
04	Signal Generator	E4438C	MY49071430	January 19, 2023	One year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	CMW500	159890	January 12, 2023	One year
07	E-field Probe	SPEAG EX3DV4	7548	August 1, 2022	One year
08	DAE	SPEAG DAE4	1525	September 15, 2022	One year
09	E-field Probe	SPEAG EX3DV4	7517	January 27, 2023	One year
10	DAE	SPEAG DAE4	777	January 11, 2023	One year
11	Dipole Validation Kit	SPEAG D750V3	1196	May 24,,2023	One year
12	Dipole Validation Kit	SPEAG D835V2	4d260	May 23,,2023	One year
13	Dipole Validation Kit	SPEAG D1800V2	2d222	May 23,,2023	One year
14	Dipole Validation Kit	SPEAG D1900V2	5d234	May 22,,2023	One year
15	Dipole Validation Kit	SPEAG D2450V2	1090	November 15,2022	One year
16	Dipole Validation Kit	SPEAG D2550V2	1013	May 24,,2023	One year
17	Dipole Validation Kit	SPEAG D3500V2	1016	June 21,2023	One year
18	Dipole Validation Kit	SPEAG D3700V2	1004	June 21,2023	One year
19	Dipole Validation Kit	SPEAG D3900V2	1024	June 21,2023	One year
20	Dipole Validation Kit	SPEAG D5GHzV2	1060	June 19,2023	One year

END OF REPORT BODY

Appendixes

Refer to separated files for the following appendixes

ANNEX A Graph Results

ANNEX B System Verification Results

ANNEX C SAR Measurement Setup

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

ANNEX E Equivalent Media Recipes

ANNEX F System Validation

ANNEX G Probe Calibration Certificate

ANNEX H Dipole Calibration Certificate

ANNEX I Sensor Triggering Data Summary

ANNEX J Accreditation Certificate